



Cisco

Exam Questions 300-415

Implementing Cisco SD-WAN Solutions (ENSDWI)

NEW QUESTION 1

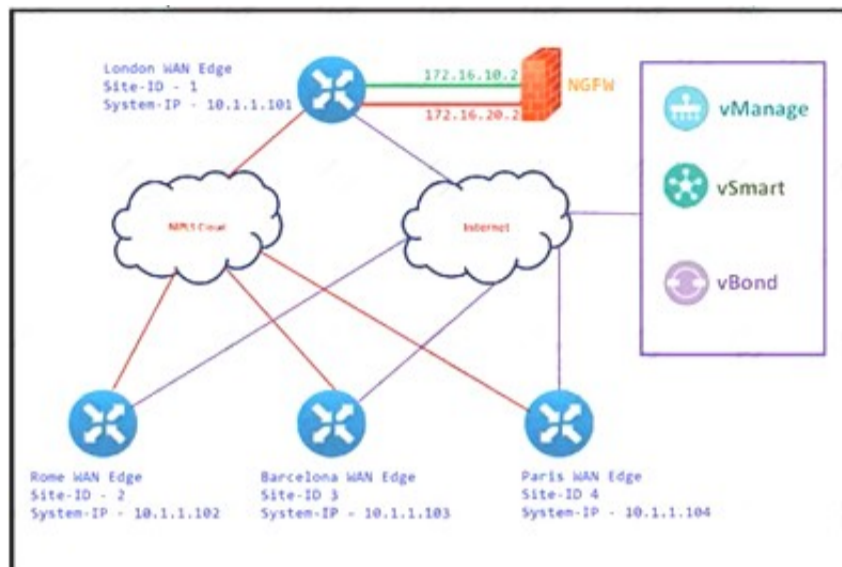
Which two image formats are supported for controller codes? (Choose two.)

- A. .nxos
- B. .qcow2
- C. .ova
- D. .bin
- E. Tgz

Answer: BC

NEW QUESTION 2

Refer to the exhibit.



The Cisco SD-WAN is deployed using the default topology. The engineer wants to configure a service insertion policy such that all data traffic between Rome to Paris is forwarded through the NGFW located in London. Which configuration fulfills this requirement, assuming that the Service VPN ID is 1?

A)

```

London WAN Edge
vpn 1
 service netsvc1 address 172.16.10.2
 service netsvc2 address 172.16.20.2

vSmart Policy
policy
 lists
  site-list ROME
  site-id 2
  site-list PARIS
  site-id 4
 control-policy NGFW-SI
 sequence 1
  match route
  site-id ROME
  action accept
  set service netsvc1 vpn 1
 sequence 2
  match route
  site-id PARIS
  action accept
  set service netsvc2 vpn 1
 default-action accept
 !
 apply-policy
 site-list ROME
 control-policy NGFW-SI out
 !
 site-list PARIS
 control-policy NGFW-SI out

```

B)

```

London WAN Edge
vpn 1
 service netsvc1 address 172.16.10.2
 service netsvc2 address 172.16.20.2

vSmart Policy
policy
 lists
  site-list ROME
  site-id 2
  site-list PARIS
  site-id 4
 control-policy NGFW-SI
 sequence 1
  match route
  site-id ROME
  action accept
 sequence 2
  match route
  site-id PARIS
  action accept
 default-action accept
 !
 apply-policy
 site-list ROME control-policy NGFW-SI out

```

C)

```
○ ROME WAN Edge
service FW address 10.1.1.101

PARIS WAN Edge
service FW address 10.1.1.101

vSmart Policy
policy
lists
  site-list ROME
  site-id 2
  site-list PARIS
  site-id 4
control-policy NGFW-SI
sequence 1
  match route
  site-id ROME
  action accept
  set service netsvc1 vpn 1
sequence 2
  match route
  site-id PARIS
  action accept
  set service netsvc2 vpn 1
default-action accept
!
apply-policy
site-list ROME
control-policy NGFW-SI out
!
site-list PARIS
control-policy NGFW-SI out
```

D)

```
○ ROME WAN Edge
service FW address 10.1.1.101

PARIS WAN Edge
service FW address 10.1.1.101

vSmart Policy
policy
lists
  site-list ROME
  site-id 2
  site-list PARIS
  site-id 4
control-policy NGFW-SI
sequence 1
  match route
  site-id ROME
  action accept
sequence 2
  match route
  site-id PARIS
  action accept
default-action accept
!
apply-policy
site-list ROME control-policy NGFW-SI out
```

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

Answer: A**NEW QUESTION 3**

Which two platforms for the Cisco SD-WAN architecture are deployable in a hypervisor on-premises or in IAAS Cloud? (Choose two.)

- A. CSR 1000v
- B. vEdge 100c
- C. vEdge Cloud
- D. vEdge 2000
- E. ISR 4431

Answer: AC**NEW QUESTION 4**

Which configuration component is used in a firewall security policy?

- A. numbered sequences of match-action pairs
- B. application match parameters
- C. URL filtering policy
- D. intrusion prevention policy

Answer: A**NEW QUESTION 5**

How many subnets are necessary in Azure VNet for a WAN Edge device to function in the cloud deployment?

- A. CSR is the WAN Edge device that is supported in the Microsoft clou
- B. The Microsoft underlay cloud fabric performs the management function.
- C. There must be three subnets in VNet: management, public, and services.
- D. One public subnet is required in VNe

- E. The Microsoft underlay cloud fabric performs all of the routing functions for WAN Edge.
- F. Public and services subnets are required in VNe
- G. The Microsoft underlay cloud fabric performs the management function.

Answer: D

NEW QUESTION 6

An engineering team must prepare a traffic engineering policy where an MPLS circuit is preferred for traffic coming from the Admin VLAN Internet should be used as a backup only. Which configuration fulfill this requirement?

A)

```
policy
data-policy _TE
vpn-list VPN_10
sequence 1
match
source-data-prefix-list Source_Prefix
destination-data-prefix-list Dest_Prefix
action accept
set
vpn 10
tloc-list Hub_TLOCs
default-action reject
!
tloc-list Hub_TLOCs
tloc 10.4.4.4 color mpls encap ipsec preference 300
tloc 10.4.4.4 color public-internet encap ipsec preference 600
```

B)

```
policy
data-policy _TE
vpn-list VPN_10
sequence 1
match
source-data-prefix-list Source_Prefix
destination-data-prefix-list Dest_Prefix
action accept
nat use-vpn 0
nat fallback
default-action reject
!
tloc-list Hub_TLOCs
tloc 10.4.4.4 color mpls encap ipsec preference 300
tloc 10.4.4.4 color public-internet encap ipsec preference 600
```

C)

```
policy
data-policy _TE
vpn-list VPN_10
sequence 1
match
source-data-prefix-list Source_Prefix
destination-data-prefix-list Dest_Prefix
action accept
set
vpn 10
tloc-list Hub_TLOCs
default-action accept
!
tloc-list Hub_TLOCs
tloc 10.4.4.4 color mpls encap ipsec preference 600
tloc 10.4.4.4 color public-internet encap ipsec preference 300
```

D)

```
policy
data-policy _TE
vpn-list VPN_10
sequence 1
match
source-data-prefix-list Source_Prefix
destination-data-prefix-list Dest_Prefix
action accept
set
vpn 512
tloc-list Hub_TLOCs
default-action accept
!
tloc-list Hub_TLOCs
tloc 10.4.4.4 color mpls encap ipsec preference 600
tloc 10.4.4.4 color public-internet encap ipsec preference 300
```

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

Answer: C

NEW QUESTION 7

Which two hardware platforms support Cisco IOS XE SD-WAN images" (Choose two)

- A. ASR1000 series
- B. ISR9300 series
- C. vEdge-1000 series
- D. ASR9000 series
- E. ISR4000 series

Answer: AE

NEW QUESTION 8

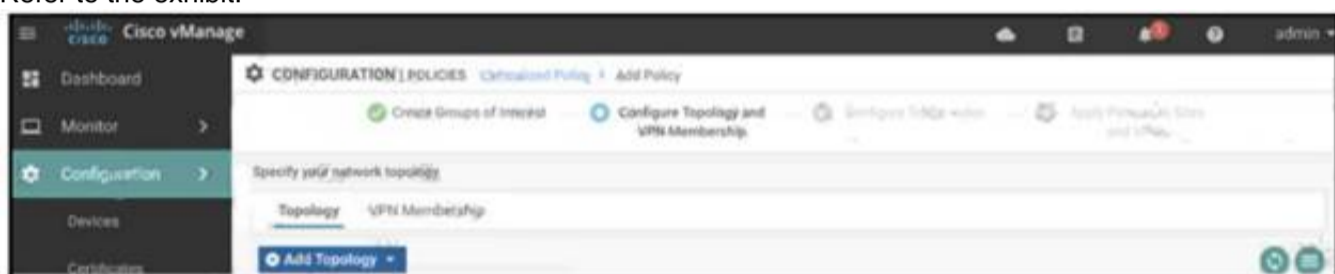
When software is upgraded on a vManage NMS, which two image-adding options store images in a local vManage software repository? (Choose two.)

- A. To be downloaded over a SMTP connection
- B. To be downloaded over a SNMP connection
- C. To be downloaded over an out-of-band connection
- D. To be downloaded over a control plane connection
- E. To be downloaded over an ICMP connection

Answer: CD

NEW QUESTION 9

Refer to the exhibit.



An administrator is configuring a policy in addition to an existing hub-and-spoke policy for two sites that should directly communicate with each other. How is this policy configured?

- A. hub-and-spoke
- B. mesh
- C. import existing topology
- D. custom control (route and TLOC)

Answer: D

Explanation:

<https://www.cisco.com/c/en/us/td/docs/routers/sdwan/configuration/policies/vedge/policies-book/controlpolicies>

NEW QUESTION 10

What is the minimum Red Hat Enterprise Linux operating system requirement for a Cisco SD-WAN controller deployment via KVM?

- A. RHEL7.5
- B. RHEL 6.5
- C. RHEL4.4
- D. RHEL 6.7

Answer: D

NEW QUESTION 10

An engineer is adding a tenant with location ID 399533345 in vManage. What is the maximum number of alphanumeric characters that is accepted in the tenant name filed?

- A. 64
- B. 128
- C. 256
- D. 8

Answer: B

Explanation:

In the Add Tenant window:

- a. Enter a name for the tenant. It can be up to 128 characters and can contain only alphanumeric characters.

NEW QUESTION 14

A network administrator configures SNMFFV3 on a Cisco WAN Edge router from CL I for monitoring purposes How many characters are supported by the snmp user username command?

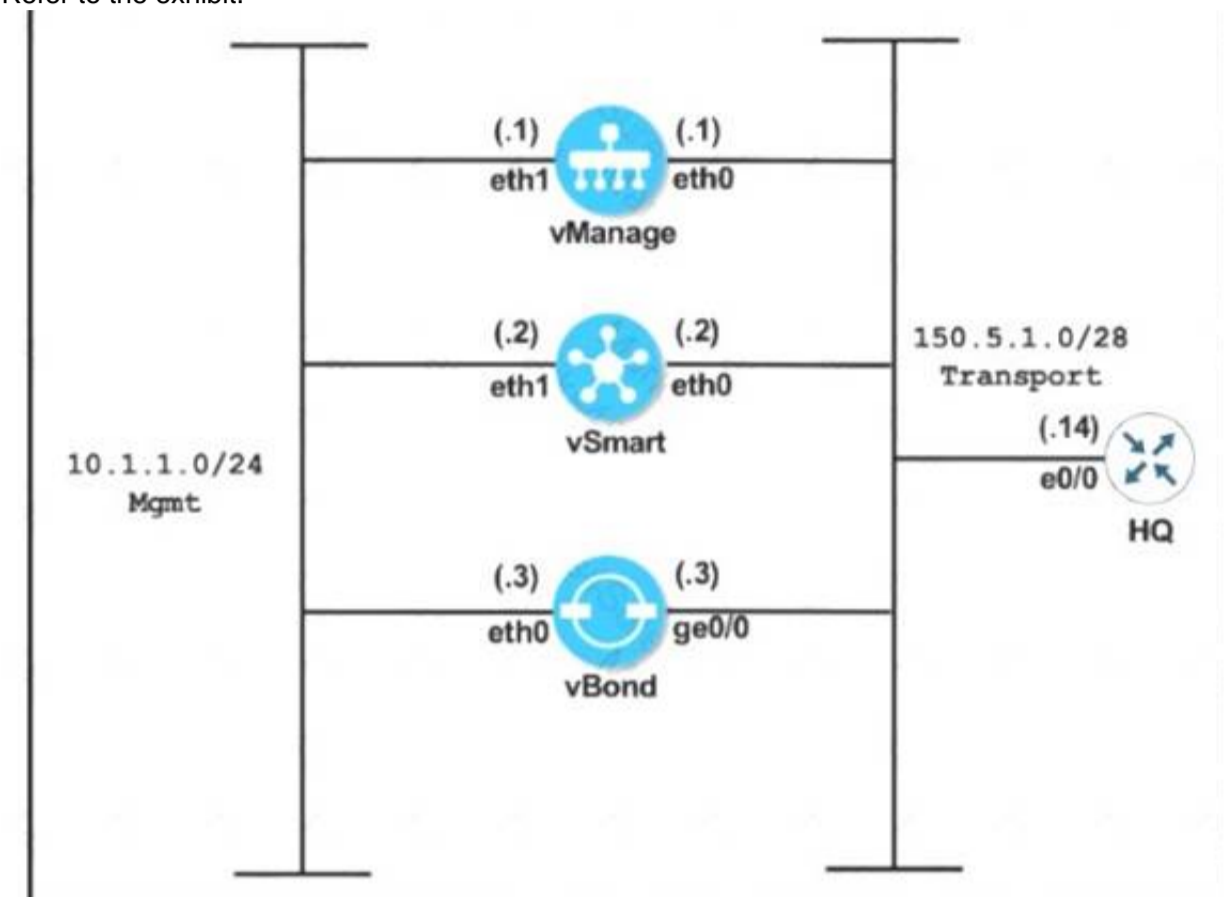
- A. from 1 to 8

- B. from 1 to 16
- C. from 1 to 32
- D. from 1 to 48

Answer: C

NEW QUESTION 16

Refer to the exhibit.



```

vManage
system
 system-ip 10.10.10.101
 host-name vManage
 site-id 1
 clock timezone Europe/London
 vbond 150.5.1.3
 organization-name Cisco.com
!
vpn 0
 interface eth0
  ip address 150.5.1.1/28
  no shut
  tunnel-interface
  allow-service all
  ip route 0.0.0.0/0 150.5.1.14
!
commit

vSmart
system
 system-ip 10.10.10.102
 host-name vSmart
 site-id 1
 clock timezone Europe/London
 vbond 150.5.1.3
 organization-name Cisco.com
!
vpn 0
 interface eth0
  ip address 150.5.1.2/28
  no shut
  tunnel-interface
  allow-service all
  ip route 0.0.0.0/0 150.5.1.14
!
commit

vBond
system
 system-ip 10.10.10.103
 host-name vBond
 site-id 1
 clock timezone Europe/London
 vbond 150.5.1.3
 organization-name Cisco.com
!
vpn 0
 interface ge0/0
  ip address 150.5.1.3/28
  no shut
  tunnel-interface
  encapsulation ipsec
  allow-service all
  ip route 0.0.0.0/0 150.5.1.14
!
commit
    
```

An engineer is troubleshooting an issue where vManage and vSmart have a problem establishing a connection to vBond. Which action fixes the issue?

- A. Reconfigure the vBond command on the vBond as vBond 150.5.1.3 local
- B. Configure the tunnel interface on all three controllers with a color of transport
- C. Remove the encapsulation IPsec command under the tunnel interface of vBond.
- D. Configure encapsulation as IPsec under the tunnel interface of vManage and vSmart

Answer: A

Explanation:

Configure the IP address of Cisco vBond Orchestrator. Cisco vBond Orchestrator's IP address must be a public IP address, to allow all Cisco vEdge devices in the overlay network to reach Cisco vBond Orchestrator:

vBond(config-system) #**vbond ip-address local**

In Releases 16.3 and later, the address can be an IPv4 or an IPv6 address. In earlier releases, it must be an IPv4 address. A vBond orchestrator is effectively a vEdge router that performs only the orchestrator functions. **The local option designates the device to be Cisco vBond Orchestrator, not a vEdge router.** Cisco vBond Orchestrator must run on a standalone virtual machine (VM) or hardware router; it cannot coexist in the same device as a software or hardware vEdge router.

NEW QUESTION 20

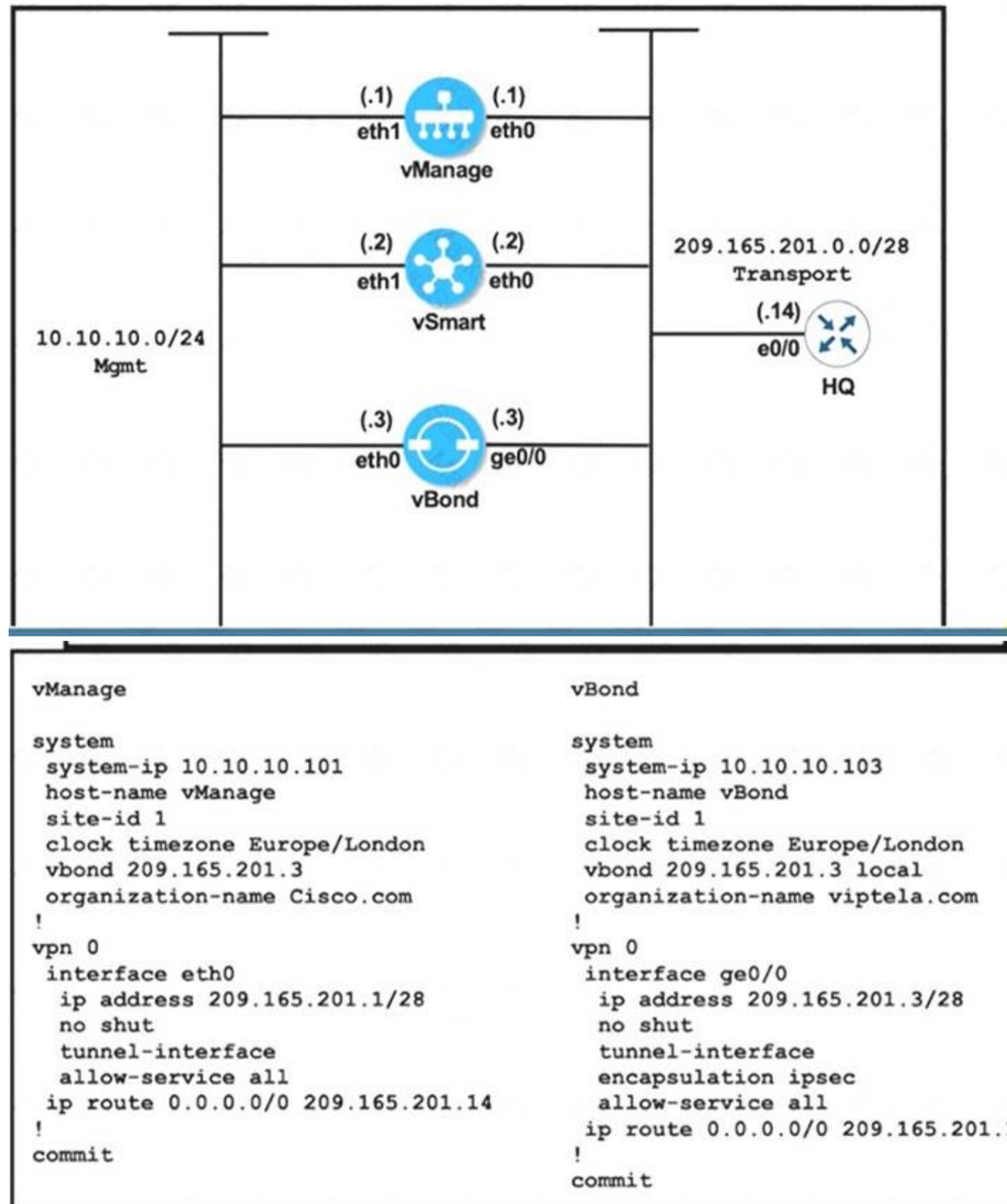
Which two virtualized environments are available for a company to install the controllers using the on-premises model? (Choose two)

- A. VMware vSphere ESXi
- B. VMware Workstation
- C. kernel-based virtual machine
- D. OpenStack
- E. Microsoft Hyper-V

Answer: AD

NEW QUESTION 22

Refer to the exhibit



vManage and vBond have an issue establishing a connection with each other Which action resolves the issue?

- A. Reconfigure the system IPs to belong to the same subnet
- B. Change the organization name on both controllers to match vipteta.com.
- C. Remove the encapsulation ipsec command under the tunnel interface of vBond
- D. Configure the encapsulation ipsec command under the tunnel interface on vManage

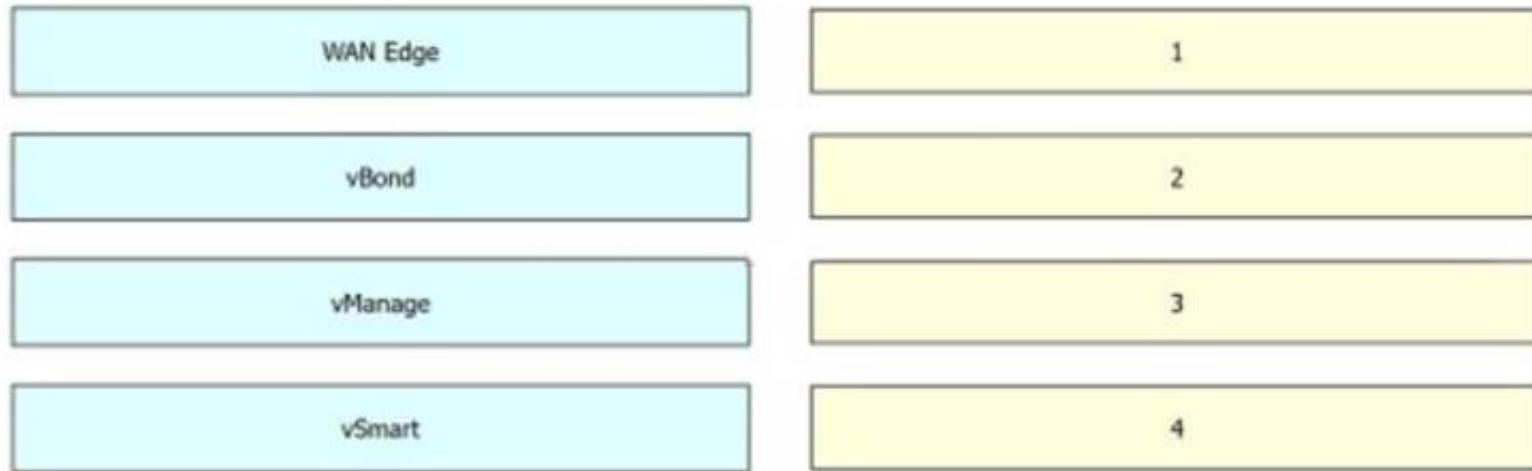
Answer: B

Explanation:

<https://community.cisco.com/t5/sd-wan-and-cloud-networking/encapsulation-ipsec-on-vbond/td-p/4451149> "encapsulation" command under vBond tunnel-interface has no meaning and effect.

NEW QUESTION 25

Drag and drop the devices from the left into order on the right to upgrade the software from version 19 to version 20.



- A. Mastered
 B. Not Mastered

Answer: A

Explanation:



NEW QUESTION 28

Which component of the Cisco SD-WAN control plane architecture should be located in a public Internet address space and facilitates NAT-traversal?

- A. vBond
 B. WAN Edge
 C. vSmart
 D. vManage

Answer: A

NEW QUESTION 31

A network administrator is configuring a centralized control policy based on match action pairs for multiple conditions, which order must be configured to prefer Prefix List over TLOC and TLOC over Origin?

- A. highest to lowest sequence number
 B. nonsequential order
 C. deterministic order
 D. lowest to highest sequence number

Answer: D

Explanation:

A centralized control policy consists of a series of numbered (ordered) sequences of match-action pairs that are evaluated in order, from lowest sequence number to highest sequence number. When a route or TLOC matches the match conditions, the associated action or actions are taken and policy evaluation on that packets stops. Keep this process in mind as you design your policies to ensure that the desired actions are taken on the items subject to policy.

If a route or TLOC matches no parameters in any of the sequences in the policy configure, it is, by default, rejected and discarded.

NEW QUESTION 34

A network engineer must configure all branches to communicate with each other through the Service Chain Firewall located at the headquarters site. Which configuration allows the engineer to accomplish this task?

A)



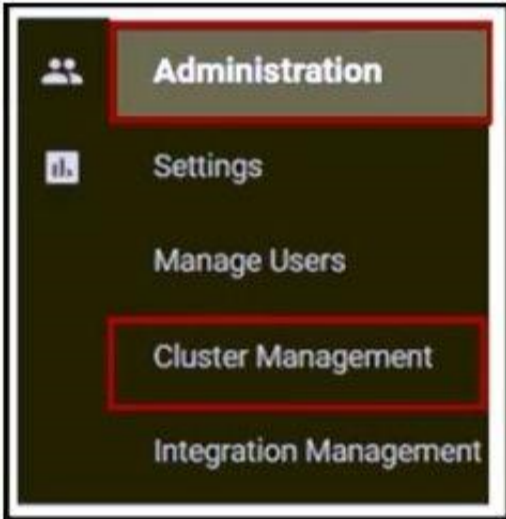
B)



C)



D)



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

Answer: B

NEW QUESTION 38

Drag and drop the attributes from the left that make each transport location unique onto the right. Not all options are used.

IP address	target1
color	target2
encapsulation	target3
VPN	
service	

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

A TLOC, or Transport Location, is the attachment point where a WAN Edge router connects to the WAN transport network. A TLOC is uniquely identified and represented by a three-tuple, consisting of system IP address, link color, and encapsulation (Generic Routing Encapsulation [GRE] or IPsec).

NEW QUESTION 40

Which port is used for vBond under controller certificates if no alternate port is configured?

- A. 12345
- B. 12347
- C. 12346
- D. 12344

Answer: C

Explanation:

vSmart and vManage are normally installed behind NAT device, so port hopping is not needed. vBond always uses to other Viptela devices using port 12346 and they never use port hopping.

NEW QUESTION 41

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

A)

```
VPN 10
ip route 0.0.0.0/0 vpn 0
```

B)

```
VPN 10
ip route 0.0.0.0/0 vpn 0
VPN 0
interface Gig1/1
nat
```

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
```

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
```

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

Answer: B

Explanation:

As explained in figure 7, within the direct Internet model, segmentation is leveraged by deploying centralized data policies or a NAT DIA route to leak Internet traffic from the service-side VPN (VPNs 0 - 511,513 - 65530) into the Internet transport VPN (VPN 0), which allows traffic to exit directly to the Internet through the NAT-enabled interface in VPN 0.

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

NEW QUESTION 45

Two sites have one WAN Edge each WAN Edge has two public TLOCs with no restriction configured. There is full reachability between the TLOCs. How many data tunnels are formed on each Edge router?

- A. 2
- B. 8
- C. 6
- D. 4

Answer: D

NEW QUESTION 50

What is a requirement for a WAN Edge to reach vManage, vBond, and vSmart controllers in a data center?

- A. IGP
- B. QoS
- C. TLS
- D. OMP

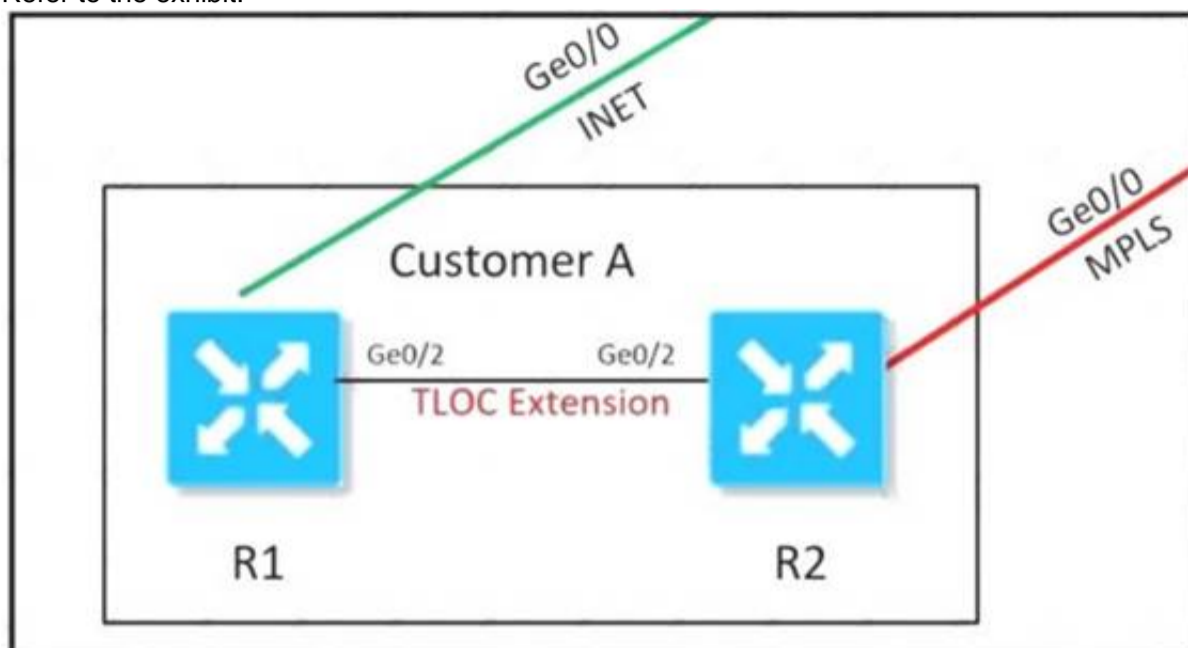
Answer: A

Explanation:

<https://www.cisco.com/c/dam/en/us/td/docs/solutions/CVD/SDWAN/sdwan-wan-edge-onboarding-deploy-guid>

NEW QUESTION 52

Refer to the exhibit.



An MPLS connection on R2 must extend to R1. Users behind R1 must have dual connectivity for data traffic. Which configuration provides R1 control connectivity over the MPLS connection?

A)

R1

```
interface ge0/2
ip address 34.34.34.1/30
tloc-extension ge0/1
tunnel-interface
color mpls
```

R2

```
interface ge0/2
ip address 34.34.34.2/30
tloc-extension ge0/0
tunnel-interface
color public-internet
```

B)

R1

```
interface ge0/2
ip address 34.34.34.1/30
tloc-extension ge0/1
```

R2

```
interface ge0/0
ip address 34.34.34.2/30
tunnel-interface
color mpls
```

C)

```
vpn 0
router
ospf
 redistribute omp route-policy OSPF_Route_Policy
 area 0
 interface ge0/2
 exit
lists
 prefix-list W2_Loopback
 ip-prefix 10.10.10.5/32
 !
 route-policy OSPF_Route_Policy
 sequence 1
 match
 address W2_Loopback
 !
 action accept
 set
 metric 100
 metric-type type2
```

D)

```
vpn 10
name "Service VPN 10"
router
ospf
 redistribute omp route-policy OSPF_Route_Policy
 area 0
 interface ge0/2
 exit
lists
 prefix-list W2_Loopback
 ip-prefix 10.10.10.5/32
 !
 route-policy OSPF_Route_Policy
 sequence 1
 match
 address W2_Loopback
 !
 action accept
```

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

Answer: D

NEW QUESTION 53

Which attributes are configured to uniquely Identify and represent a TLOC route?

- A. system IP address, link color, and encapsulation
- B. firewall, IPS, and application optimization
- C. site ID, tag, and VPN
- D. origin, originator, and preference

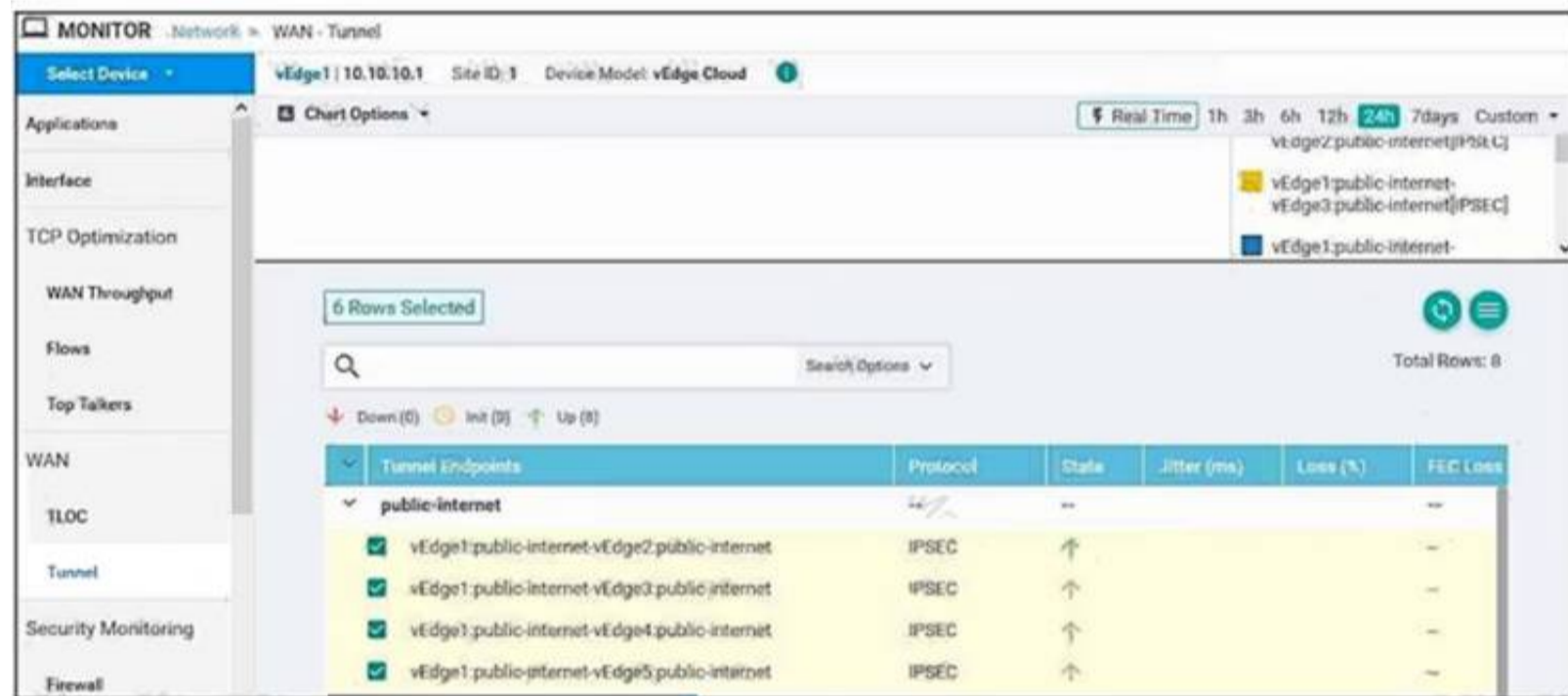
Answer: A

Explanation:

<https://www.cisco.com/c/dam/en/us/td/docs/solutions/CVD/SDWAN/CVD-SD-WAN-Design-2018OCT.pdf>

NEW QUESTION 56

Refer to the exhibit.



Tunnel Endpoints	Protocol	State	Jitter (ms)	Loss (%)	FEC Loss
public-internet					
vEdge1:public-internet-vEdge2:public-internet	IPSEC	↑			
vEdge1:public-internet-vEdge3:public-internet	IPSEC	↑			
vEdge1:public-internet-vEdge4:public-internet	IPSEC	↑			
vEdge1:public-internet-vEdge5:public-internet	IPSEC	↑			

Which command-line configuration on a WAN Edge device achieves these results?

- A)
- ```
vpn 0
interface ge0/0
ip address 10.50.0.101/30
tunnel-interface
encapsulation gre
color public-internet
allow-service ntp

ip route 0.0.0.0/0 10.50.0.102
```
- B)
- ```
vpn 0
interface ge0/0
ip address 10.50.0.101/30
tunnel-interface
encapsulation ipsec
color public-internet restrict
allow-service all
allow-service netconf

ip route 0.0.0.0/0 10.50.0.102
```
- C)
- ```
vpn 0
interface ge0/0
ip address 10.50.0.101/30
tunnel-interface
encapsulation ipsec
allow-service none

ip route 0.0.0.0/0 10.50.0.102
```
- D)

```
vpn 1
interface ge0/0
ip address 10.50.0.101/30
tunnel-interface
encapsulation ipsec
color public-internet restrict
allow-service all
allow-service netconf

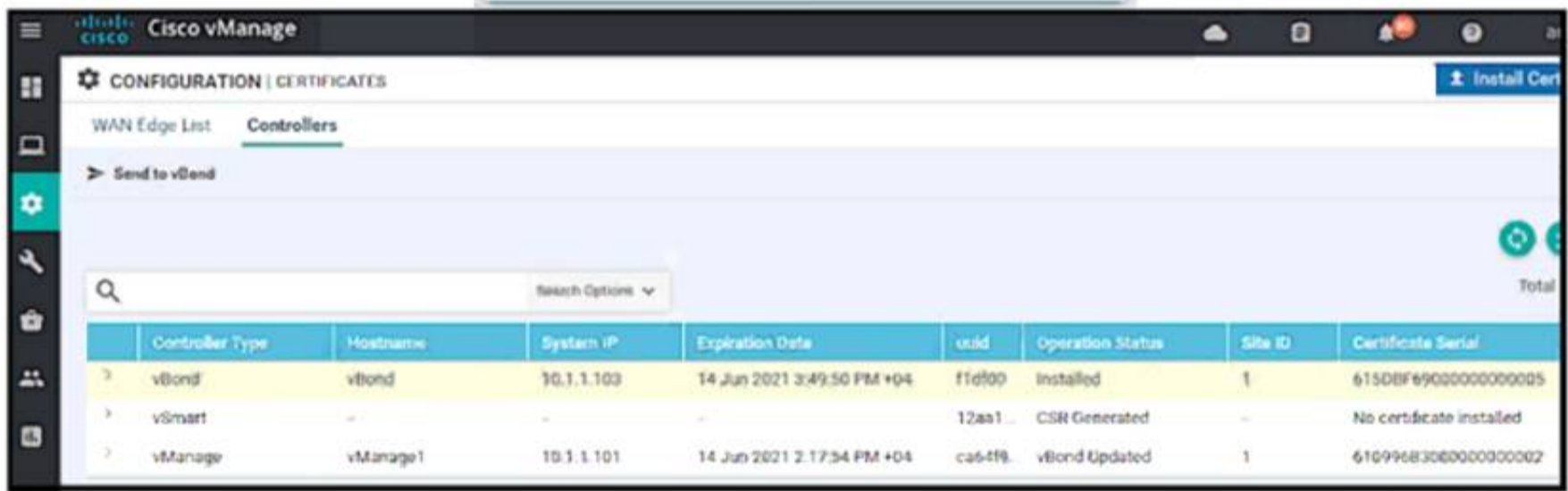
ip route 0.0.0.0/0 10.50.0.102
```

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

Answer: B

NEW QUESTION 58

Refer to the exhibit



vManage and vBond have an issue establishing a connection to vSmart Which two actions does the administrator take to fix the issue? (Choose two)  
 Install the certificate received from the certificate server.

- A. Manually resync vManage and vBond
- B. Reconfigure the vSmart from CLI with the proper Hostname & System IP
- C. Delete and re-add vSmart Click Generate and validate CSR
- D. Request a certificate from the certificate server based on the CSR for the vSmart

Answer: CD

NEW QUESTION 61

Which two sets of identifiers does OMP carry when it advertises TLOC routes between WAN Edge routers? (Choose two.)

- A. TLOC public and private address, carrier, and preference
- B. source and destination IP address, MAC, and site ID
- C. system IP address, link color, and encapsulation
- D. VPN ID, local site network, and BGP next-hop IP address
- E. TLOC public and private address, tunnel ID, and performance

Answer: AC

NEW QUESTION 63

Refer to the exhibit.

| LOCAL    |         | PEER   | PEER  | PEER     | SITE      |       | DOMAIN | PEER                     | PEER  | PEER   |
|----------|---------|--------|-------|----------|-----------|-------|--------|--------------------------|-------|--------|
| INSTANCE | TYPE    | REMOTE | COLOR | PROTOCOL | SYSTEM IP | ID    | ID     | PRIVATE IP               | PORT  | PUBLIC |
| REMOTE   |         |        |       | STATE    | ERROR     | ERROR | COUNT  | DOWNTIME                 |       | PORT   |
| 0        | default | vsmart | 1     | trying   | 1.1.1.3   | 100   | 1      | 100.1.1.3                | 23456 | 23456  |
|          |         |        |       | trying   | DOWNFAIL  | NOERR | 10001  | 2020-01-01T10:01:20+0000 |       |        |

The control connection is failing. Which action resolves the issue?

- A. import vSmart in vManager
- B. Validate the certificates authenticity on vSmart
- C. Upload the WAN Edge list on vManage.
- D. Restore the reachability to the vSmart

Answer: D

**Explanation:**

<https://www.cisco.com/c/en/us/support/docs/routers/sd-wan/214509-troubleshoot-control-connections.html>

**NEW QUESTION 68**

What problem happens on a device with two serial numbers, a unique device identifier (UDI), and secure unique device identifier (SUDI) when an engineer provisions ISR 4000 by PnP using only a UDI?

- A. It encounters spanning tree issues
- B. It faces interface buffer overflow patterns
- C. It encounters redirection problems.
- D. It encounters memory overload problems

**Answer:** D

**NEW QUESTION 69**

Which protocol is used between redundant vSmart controllers to establish a permanent communication channel?

- A. IPsec
- B. HTTPs
- C. DTLS
- D. SSL

**Answer:** C

**NEW QUESTION 72**

An engineer must avoid routing loops on the SD-WAN fabric for routes advertised between data center sites Which BGP loop prevention attribute must be configured on the routers to meet this requirement?

- A. same OMP overlay-as on WAN Edge routers of all data centers
- B. static routing on al WAN Edge routers instead of BGP
- C. same BGP AS between all WAN Edge routers and CE routers
- D. same BGP AS between all CE and PE routers

**Answer:** A

**NEW QUESTION 76**

Which protocol is used for the vManage to connect to the vSmart Controller hosted in Cloud?

- A. PnP Server
- B. ZTP
- C. NETCONF
- D. HTTP

**Answer:** C

**Explanation:**

Netconf and CLI—Netconf is a standards-based protocol used by Cisco vManage to provision a Cisco vSmart Controller.

**NEW QUESTION 81**

What is a default protocol for control plane connection?

- A. IPsec
- B. HTTPS
- C. TLS
- D. DTLS

**Answer:** D

**NEW QUESTION 86**

Refer to the exhibit.

```

policy
lists
!
tloc-list dc-preference-east
tloc 100.100.100.100 color mpls
encap ipsec preference 200
tloc 101.101.101.101 color mpls
encap ipsec preference 400
!
site-list sites-region-west
site-id 1-20
!
site-list sites-region-east
site-id 21-40
!
site-list dc-sites
site-id 100-101

control-policy adv-dc-preference-west
sequence 10
match route
site-list dc-sites
!
action accept
set
tloc-list dc-preference-east
!

!
!
default-action accept
!
!
control-policy adv-dc-preference-east
sequence 10
match route
site-list dc-sites
!
action accept
set
tloc-list dc-preference-east
!
!
!
!
default-action accept
!
!
apply-policy
site-list sites-region-west
control-policy adv-dc-preference-west
out
!
site-list sites-region-east
control-policy adv-dc-preference-east
out
!
!
!
!

```

A customer wants to implement primary and secondary Cisco SD-WAN overlay routing for prefixes that are advertised for both data centers. The east data center (TLOC 101.101.101.101) is primary for east sites, and the west data center (TLOC 100.100.100.100) is primary for west sites. Which configuration change achieves this objective?

A.

```

lists
tloc-list dc-preference-west
tloc 100.100.100.100 color mpls encap ipsec preference 400
tloc 101.101.101.101 color mpls encap ipsec preference 200

control-policy adv-dc-preference-west
sequence 10
match route
site-list dc-sites
!
action accept
set
tloc-list dc-preference-west
!
!
default-action accept

```

B.

```

lists
tloc-list dc-preference-west
tloc 100.100.100.100 color mpls encap ipsec preference 200
tloc 101.101.101.101 color mpls encap ipsec preference 400

control-policy adv-dc-preference-west
sequence 10
match route
site-list dc-sites
!
action accept
set
tloc-list dc-preference-west
!
!
default-action accept

```

C.

```

tloc-list dc-preference-east
tloc 100.100.100.100 color mpls encap ipsec preference 400
tloc 101.101.101.101 color mpls encap ipsec preference 200

```

D.

```

control-policy adv-dc-preference-west
sequence 10
match route
site-list dc-sites
!
action accept
set
tloc-list dc-preference-west
!
!
default-action accept

```

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

**Answer:** A

#### NEW QUESTION 87

Which two resource data types are used to collect information for monitoring using REST API in Cisco SD-WAN? (Choose two.)

- A. POST
- B. DELETE
- C. scalar
- D. array
- E. PUT

**Answer:** CD

#### NEW QUESTION 88

How many vCPUs and how much RAM are recommended to run the vSmart controller on the KVM server for 251 to 1000 devices in software version 20.4.x?

- A. 4vCPU
- B. 16 GB
- C. 4 vCPU
- D. 8 GB
- E. 8vCPU
- F. 16 GB
- G. 2vCPUs.4GB

**Answer:** B

#### NEW QUESTION 89

Which set of elements are verified by the controller to confirm the identity of edge devices?

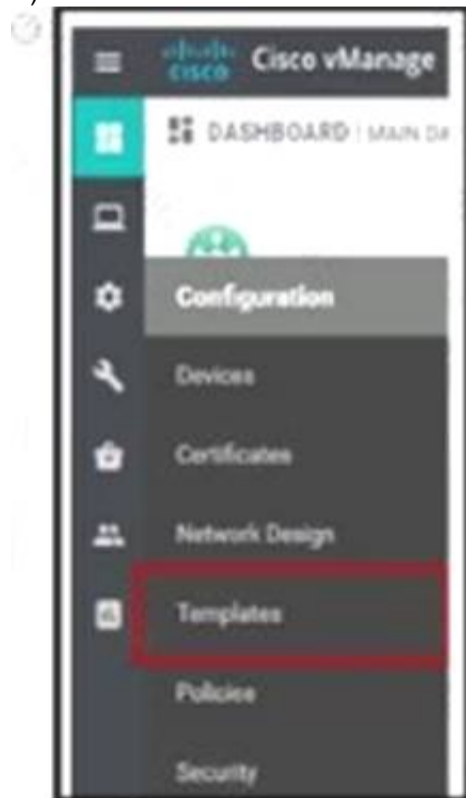
- A. certificates, organization name and serial number of the device
- B. organization name serial number and system IP of the device
- C. certificates, organization name, and vBond domain
- D. certificates, system IP, and vBond domain

**Answer:** A

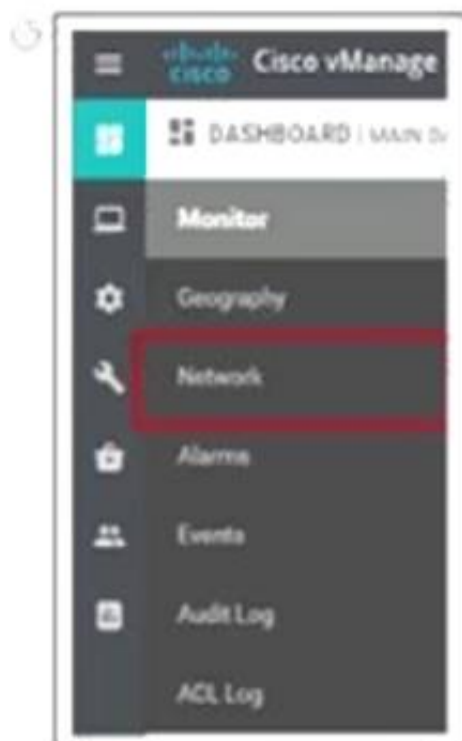
#### NEW QUESTION 90

Company ABC has decided to deploy the controllers using the On-Prem method. How does the administrator upload the WAN Edge list to the vManage?

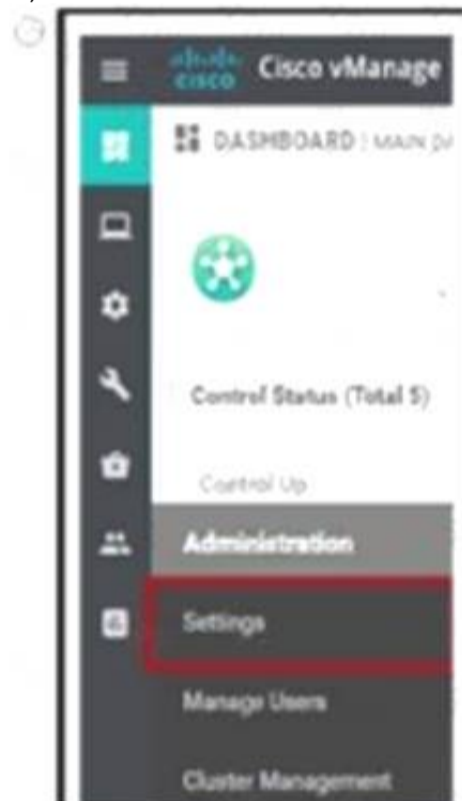
A)



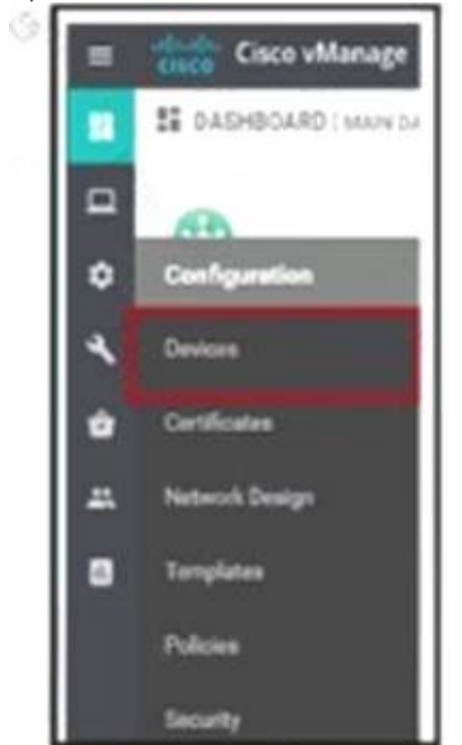
B)



C)



D)



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

**Answer: D**

**Explanation:**

[https://sdwan-docs.cisco.com/Product\\_Documentation/vManage\\_Help/Release\\_18.3/Configuration/Devices](https://sdwan-docs.cisco.com/Product_Documentation/vManage_Help/Release_18.3/Configuration/Devices)

NEW QUESTION 91

Drag and drop the steps from the left Into the order on the right to delete a software image for a WAN Edge router starting with Maintenance > Software Upgrade > Device list on vManage.

|                                                 |        |
|-------------------------------------------------|--------|
| Click delete available software.                | step 1 |
| Click the checkbox next to the WAN Edge device. | step 2 |
| Click WAN Edge in the title bar.                | step 3 |
| Select the version to delete and click delete.  | step 4 |

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

|                                                 |                                                 |
|-------------------------------------------------|-------------------------------------------------|
| Click delete available software.                | Click WAN Edge in the title bar.                |
| Click the checkbox next to the WAN Edge device. | Click the checkbox next to the WAN Edge device. |
| Click WAN Edge in the title bar.                | Click delete available software. 3              |
| Select the version to delete and click delete.  | Select the version to delete and click delete.  |

NEW QUESTION 92

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

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

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

Answer: A

NEW QUESTION 96

Refer to the exhibit.

```
vEdge1# show control connections
```

| PEER TYPE | PEER PROT | PEER SYSTEM IP | SITE ID | DOMAIN ID | PEER PRIVATE IP | PEER PRIV PORT | PEER PUBLIC IP |    |
|-----------|-----------|----------------|---------|-----------|-----------------|----------------|----------------|----|
| vsmart    | dtls      | 10.2.2.2       | 1       | 1         | 10.50.0.5       | 12446          | 10.50.0.5      |    |
| vsmart    | dtls      | 10.2.2.2       | 1       | 1         | 10.50.0.5       | 12446          | 10.50.0.5      |    |
| vbond     | dtls      | 0.0.0.0        | 0       | 0         | 10.50.0.9       | 12346          | 10.50.0.9      |    |
| vbond     | dtls      | 0.0.0.0        | 0       | 0         | 10.50.0.9       | 12346          | 10.50.0.9      |    |
| vmanage   | dtls      | 10.1.1.1       | 1       | 0         | 10.50.0.1       | 12446          | 10.50.0.1      | up |

An organization is testing a Cisco SD-WAN solution and decided to have the control plane established first and not the data plane at the time of migration. Which configuration achieves this goal?

A)

**CONFIGURATION | CERTIFICATES**

**WAN Edge List** Controllers

[Send to Controllers](#) Click **Send to Controllers** to sync the WAN Edge list on all controllers

Search Options Total Rows: 20

| State | Device Model | Chassis Number           | Hostname | IP Address | Serial No./Token | Validate                  |
|-------|--------------|--------------------------|----------|------------|------------------|---------------------------|
|       | vEdge Cloud  | 9a0cfea0-a463-7dec-c5... | vEdge1   | 10.10.10.1 | BC42AE30         | Invalid   Staging   Valid |
|       | vEdge Cloud  | cc5daa8e-9bb1-7c9d-f5... | vEdge2   | 10.10.10.2 | E1F0754E         | Invalid   Staging   Valid |
|       | vEdge Cloud  | d7b14bb6-f718-b111-8...  | vEdge3   | 10.10.10.3 | F5DA0A8D         | Invalid   Staging   Valid |
|       | vEdge Cloud  | 92b4f92b-daff-7ce2-c3... | vEdge4   | 10.10.10.4 | BD992059         | Invalid   Staging   Valid |
|       | vEdge Cloud  | 0183a420-e93e-41f7-6f... | vEdge5   | 10.10.10.5 | FA460EE6         | Invalid   Staging   Valid |

B)

**CONFIGURATION | DEVICES**

**WAN Edge List** Controllers

[Change Mode](#) [Upload WAN Edge List](#) [Export Bootstrap Configuration](#) [Sync Smart Account](#)

**CLI mode** Search Options Total Rows: 20

vManage mode

| State | Device Model | Chassis Number                        | Serial No./Token | Hostname | System IP  | Site ID | Mode    |
|-------|--------------|---------------------------------------|------------------|----------|------------|---------|---------|
|       | vEdge Cloud  | 9a0cfea0-a463-7dec-c586-85f9d29cd56a  | BC42AE30         | vEdge1   | 10.10.10.1 | 1       | vManage |
|       | vEdge Cloud  | cc5daa8e-9bb1-7c9d-f545-1a9657a0b0... | E1F0754E         | vEdge2   | 10.10.10.2 | 2       | vManage |
|       | vEdge Cloud  | d7b14bb6-f718-b111-8dd5-531fa9c96ba2  | F5DA0A8D         | vEdge3   | 10.10.10.3 | 3       | vManage |
|       | vEdge Cloud  | 92b4f92b-daff-7ce2-c3da-622673be0329  | BD992059         | vEdge4   | 10.10.10.4 | 4       | vManage |
|       | vEdge Cloud  | 0183a420-e93e-41f7-6fc6-f74bb5754881  | FA460EE6         | vEdge5   | 10.10.10.5 | 4       | vManage |

C)

**CONFIGURATION | CERTIFICATES**

**WAN Edge List** Controllers

[Send to Controllers](#) Click **Send to Controllers** to sync the WAN Edge list on all controllers

Search Options Total Rows: 20

| State | Device Model | Chassis Number           | Hostname | IP Address | Serial No./Token | Validate                  |
|-------|--------------|--------------------------|----------|------------|------------------|---------------------------|
|       | vEdge Cloud  | 9a0cfea0-a463-7dec-c5... | vEdge1   | 10.10.10.1 | BC42AE30         | Invalid   Staging   Valid |
|       | vEdge Cloud  | cc5daa8e-9bb1-7c9d-f5... | vEdge2   | 10.10.10.2 | E1F0754E         | Invalid   Staging   Valid |
|       | vEdge Cloud  | d7b14bb6-f718-b111-8...  | vEdge3   | 10.10.10.3 | F5DA0A8D         | Invalid   Staging   Valid |
|       | vEdge Cloud  | 92b4f92b-daff-7ce2-c3... | vEdge4   | 10.10.10.4 | BD992059         | Invalid   Staging   Valid |
|       | vEdge Cloud  | 0183a420-e93e-41f7-6f... | vEdge5   | 10.10.10.5 | FA460EE6         | Invalid   Staging   Valid |

D)

**CONFIGURATION | CERTIFICATES**

**WAN Edge List** Controllers

[Send to Controllers](#) Click **Send to Controllers** to sync the WAN Edge list on all controllers

Search Options Total Rows: 20

| State | Device Model | Chassis Number           | Hostname | IP Address | Serial No./Token | Validate                  |
|-------|--------------|--------------------------|----------|------------|------------------|---------------------------|
|       | vEdge Cloud  | 9a0cfea0-a463-7dec-c5... | vEdge1   | 10.10.10.1 | BC42AE30         | Invalid   Staging   Valid |
|       | vEdge Cloud  | cc5daa8e-9bb1-7c9d-f5... | vEdge2   | 10.10.10.2 | E1F0754E         | Invalid   Staging   Valid |
|       | vEdge Cloud  | d7b14bb6-f718-b111-8...  | vEdge3   | 10.10.10.3 | F5DA0A8D         | Invalid   Staging   Valid |
|       | vEdge Cloud  | 92b4f92b-daff-7ce2-c3... | vEdge4   | 10.10.10.4 | BD992059         | Invalid   Staging   Valid |
|       | vEdge Cloud  | 0183a420-e93e-41f7-6f... | vEdge5   | 10.10.10.5 | FA460EE6         | Invalid   Staging   Valid |

A. Option A

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

**Answer:** A

#### NEW QUESTION 99

Which platforms are managed by a single vManage dashboard?

- A. ISR4351, ASR1002HX, vEdge2000, vEdge Cloud
- B. ISR4321, ASR1001, Nexus, ENCS
- C. ISR4321, ASR1001, ENCS, ISRV
- D. ISR4351, ASR1009, vEdge2000, CSR1000v

**Answer:** C

#### NEW QUESTION 103

A customer has MPLS and Internet as the TLOC colors. An engineer must configure controllers with the Internet and not with MPLS. Which configuration achieves this requirement on vManage?

A)

```
vpn 0
interface eth1
ip address 10.50.0.1/24
tunnel-interface
color mpls
```

B)

```
vpn 0
interface eth1
ip address 10.50.0.1/24
tunnel-interface
color public-internet
```

C)

```
vpn 0
interface eth1
ip address 10.50.0.1/24
tunnel-interface
color biz-internet
```

D)

```
vpn 0
interface eth1
ip address 10.50.0.1/24
tunnel-interface
color default
```

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

**Answer:** B

#### NEW QUESTION 108

Which feature builds transport redundancy by using the cross link between two redundant WAN Edge routers?

- A. OMP
- B. zero-touch provisioning
- C. quality of service
- D. TLOC extension

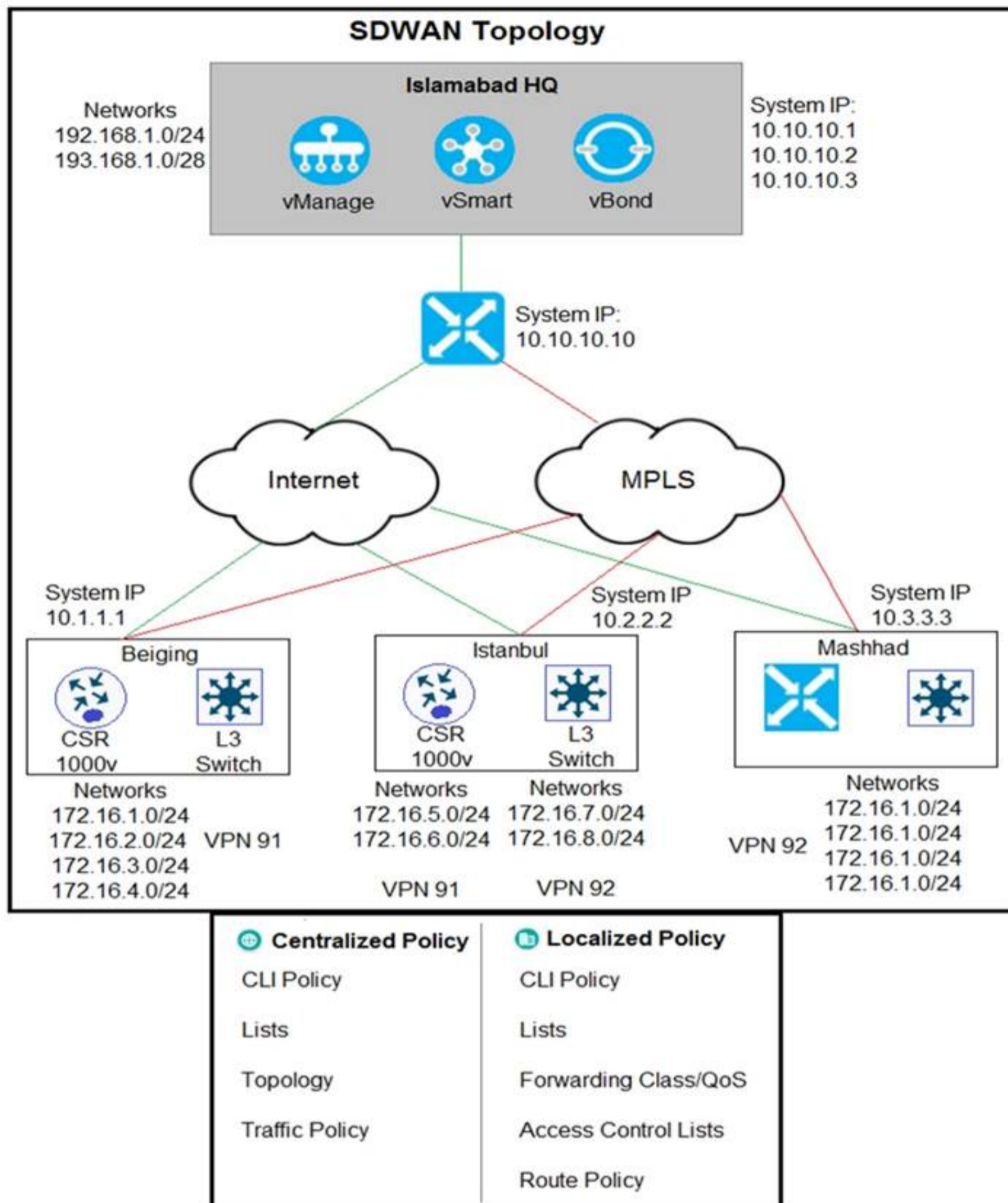
**Answer:** D

#### Explanation:

Features like TLOC extension help to build transport redundancy by using the cross link between two redundant WAN Edge routers. Network level redundancy is implemented by multiple geo-redundant data centers.

#### NEW QUESTION 112

Refer to the exhibit



The Cisco SD-WAN network is configured with a default full-mesh topology. Islamabad HQ and Islamabad WAN Edges must be used as the hub sites. Hub sites MPLS TLOC must be preferred when forwarding FTP traffic based on a configured SLA class list. Which policy configuration does the network engineer use to call the SLA class and set the preferred color to MPLS?

- A. Localized Policy, Route Policy
- B. Centralized Policy, Traffic Policy
- C. Localized Policy, Forwarding Class
- D. Centralized Policy Topology

**Answer: B**

#### NEW QUESTION 115

What is a benefit of the application aware firewall feature in the Cisco SD-WAN solution?

- A. application monitoring
- B. application malware protection
- C. application visibility
- D. control policy enforcement

**Answer: C**

#### Explanation:

<https://www.cisco.com/c/dam/en/us/td/docs/routers/sdwan/configuration/config-18-4.pdf#page=242>

The Application Firewall inspects and blocks traffic based on applications or application-family. This application-aware firewall feature provides the following benefits:

- Application visibility and granular control

#### NEW QUESTION 117

An administrator wants to create a policy to add a traffic policer called "politer-ccnp" to police data traffic on the WAN Edge. Which configuration accomplishes this task in vSmart?

- A. 

```
vpn 1
interface ge 0/4
policer policer-ccnp in
```
- B. 

```
policy
data-policy policy-ccnp
vpn-list list-ccnp
sequence number
action accept
set policer policer-ccnp
```
- C. 

```
policy
access-list list-ccnp
sequence number
action accept
policer policer-ccnp
```
- D. 

```
vpn 1
interface ge 0/4
policer policer-ccnp out
```

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

**Answer:** B

#### NEW QUESTION 122

Which encryption algorithm is used for encrypting SD-WAN data plane traffic?

- A. Triple DES  
B. IPsec  
C. AES-128  
D. AES-256 GCM

**Answer:** D

#### NEW QUESTION 127

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 tlocs  
B. show omp sessions  
C. show omp peers  
D. show omp route

**Answer:** A

#### NEW QUESTION 129

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

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

**Answer:** B

#### Explanation:

9. Since the DC routers are vEdge 5000s, select the **Cloud QoS** checkbox to enable QoS on the transport side.

#### NEW QUESTION 132

An administrator is configuring the severity level on the vManage NMS for events that indicate that an action must be taken immediately. Which severity level must be configured?

- A. warning
- B. error
- C. critical
- D. alert

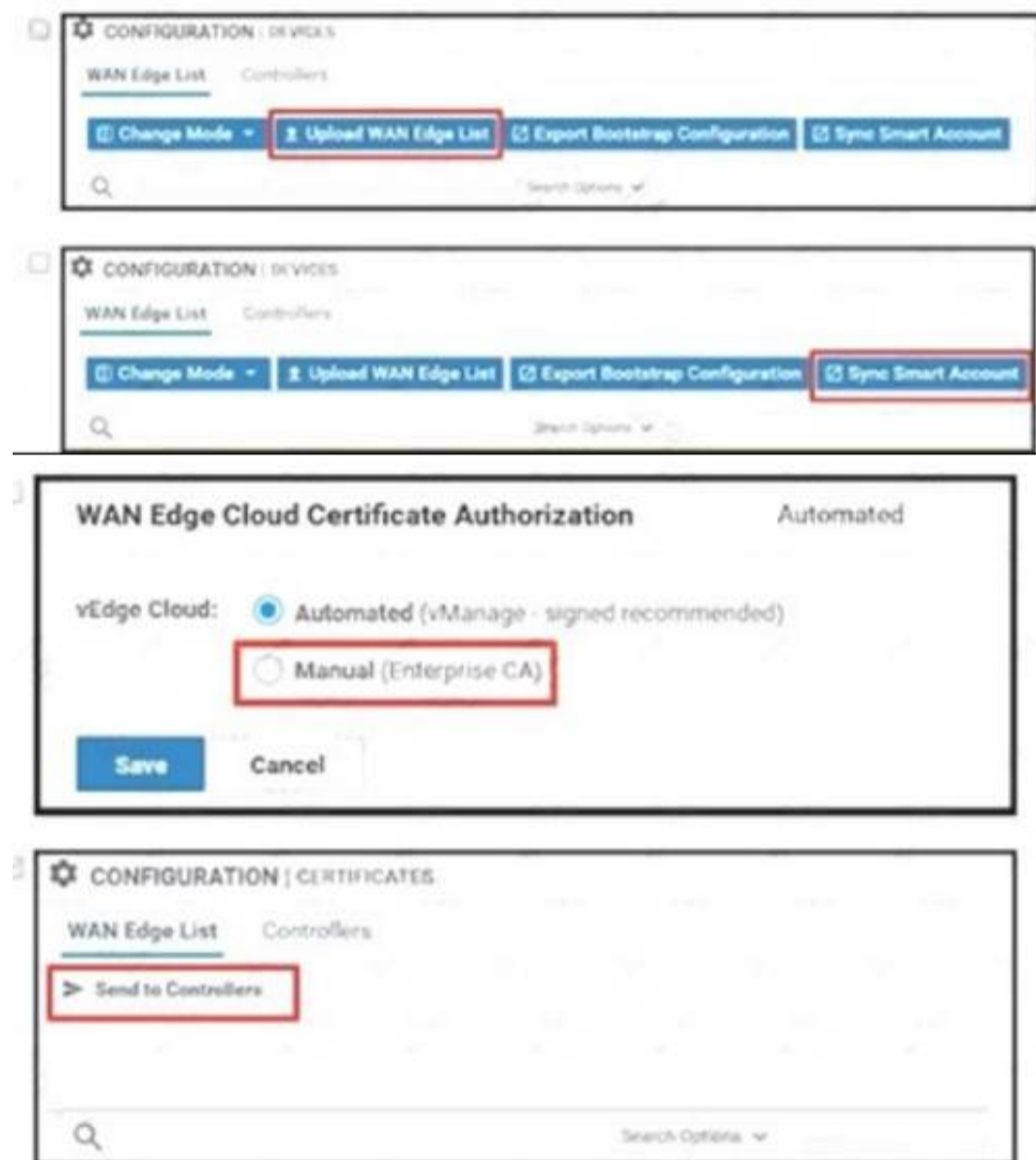
**Answer:** D

**Explanation:**

- **Alert**— Action must be **taken immediately** (corresponds to syslog severity 1).

#### NEW QUESTION 134

An administrator must deploy the controllers using the On-Prem method while vManage can access the PnP portal from inside How are the two WAN Edge authorized allowed lists to be made available to vManage? (Choose two)



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

**Answer:** AB

**Explanation:**

[https://sdwan-docs.cisco.com/Product\\_Documentation/vManage\\_Help/Release\\_18.4/Configuration/Devices](https://sdwan-docs.cisco.com/Product_Documentation/vManage_Help/Release_18.4/Configuration/Devices)

#### NEW QUESTION 135

Which VPN connects the transport-side WAN Edge interface to the underlay/WAN network?

- A. VPN 1
- B. VPN 511
- C. VPN 0
- D. VPN 512

**Answer:** C

**Explanation:**

transport network and the transport network itself. The network ports that **connect to the underlay network** are part of **VPN 0**, the transport VPN. Getting connectivity to the Service Provider gateway in the transport network usually involves configuring a static default gateway (most

#### NEW QUESTION 136

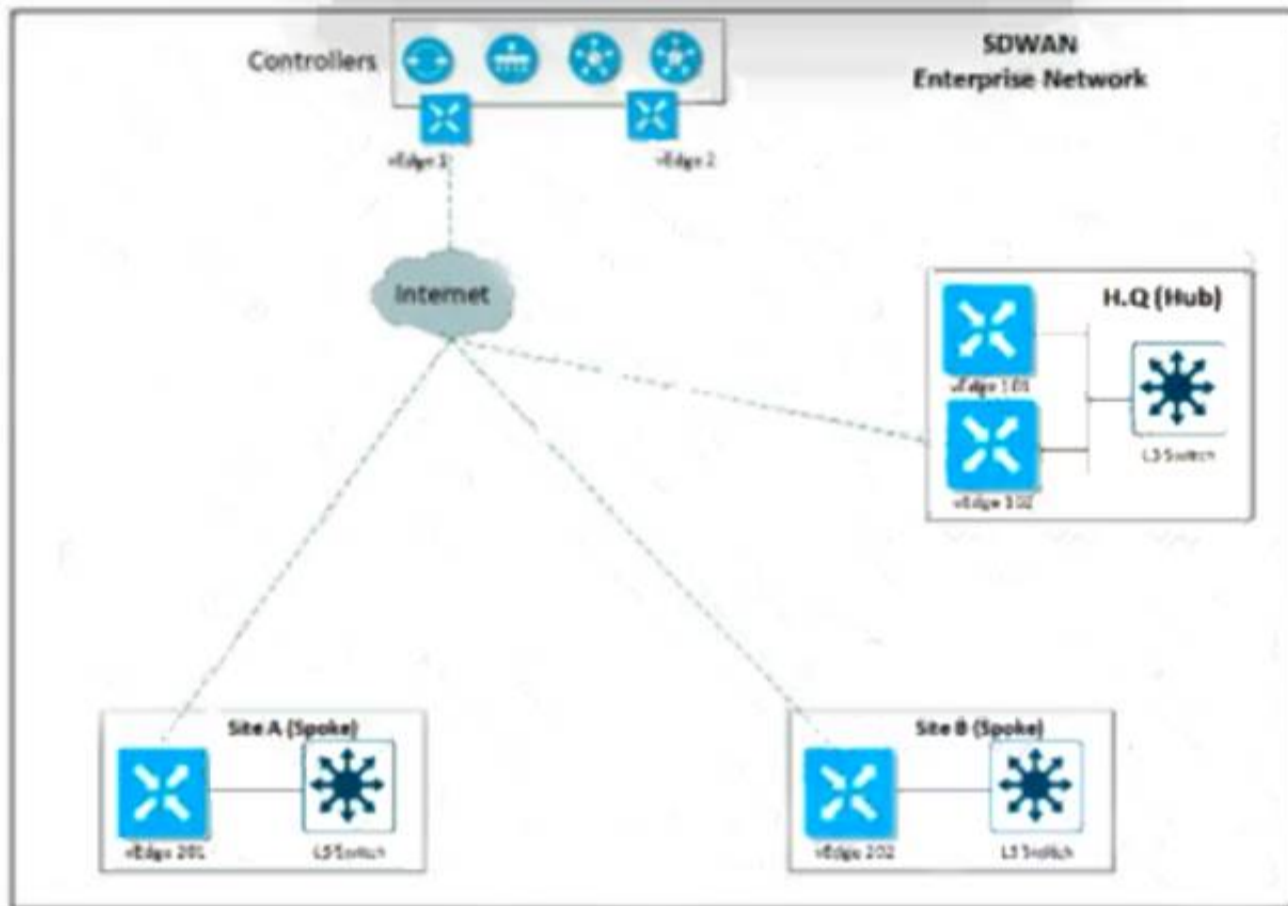
Which type of policy must be applied on a WAN Edge application-aware firewall to control traffic between two or more VPNs?

- A. service-insertion policy
- B. data policy
- C. firewall policy
- D. control policy

Answer: C

#### NEW QUESTION 139

Refer to the exhibit



An engineer must configure a QoS policy between the hub and site A (spoke) over a standard internet circuit where traffic shaping is adjusted automatically based on available bandwidth. Which configuration meets the requirement?

- ☐ Hub  
sdwan  
interface GigabitEthernet1  
qos-adaptive  
period 90  
downstream 8000  
downstream range 6000 10000  
upstream 8000  
upstream range 4000 16000  
exit  
tunnel-interface  
encapsulation ipsec weight 1  
color public-Internet  
no last-resort-circuit  
vmanage-connection-preference 5  
allow-service all
- ☐ Site A (Spoke)  
sdwan  
interface GigabitEthernet1  
qos-adaptive  
period 40  
downstream 10000  
downstream range 8000 12000  
upstream 9000  
upstream range 5000 16000  
exit  
tunnel-interface  
encapsulation ipsec weight 1  
color mpls  
no last-resort-circuit  
vmanage-connection-preference 5  
allow-service all

```
○ Hub
sdwan
interface GigabitEthernet1
qos-adaptive
period 90
downstream 8000
downstream range 6000 10000
upstream 8000
upstream range 4000 16000
exit
tunnel-interface
encapsulation ipsec weight 1
color public-Internet
no last-resort-circuit
vmanage-connection-preference 5
allow-service all

○ Site A (Spoke)
sdwan
interface GigabitEthernet1
qos-adaptive
period 90
downstream 8000
downstream range 6000 10000
upstream 8000
upstream range 4000 16000
exit
tunnel-interface
encapsulation ipsec weight 1
color public-Internet
no last-resort-circuit
vmanage-connection-preference 5
allow-service all
```

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

**Answer:** D

#### NEW QUESTION 141

Which value is verified in the certificates to confirm the identity of the physical WAN Edge device?

- A. Serial Number
- B. OTP
- C. System-IP
- D. Chassis-ID

**Answer:** A

#### Explanation:

<https://www.cisco.com/c/en/us/td/docs/routers/sdwan/configuration/sdwan-xe-gs-book/manage-certificates.html>

#### NEW QUESTION 143

An enterprise needs DIA on some of its branches with a common location ID: A041:B70C: D78E::18 Which WAN Edge configuration meets the requirement?

A)

```
vpn 1
interface ge0/1
ip address 172.16.0.1/24
vpn 512
ip route 0.0.0.0/0 vpn 0
```

B)

```
vpn 1
ip route 0.0.0.0/0 vpn 1
interface ge0/0
ip address 172.16.0.1/24
nat
```

C)

```
vpn 0
interface ge0/0
ip address 172.16.0.1/24
nat
vpn 1
ip route 0.0.0.0/0 vpn 0
```

D)  
vpn 0  
ip route 0.0.0.0/0 vpn 0  
vpn 1  
interface ge0/1  
ip address 172.16.0.1/24  
nat

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

**Answer: C**

#### NEW QUESTION 144

An enterprise deployed a Cisco SD-WAN solution with hub-and-spoke topology using MPLS as the preferred network over the Internet. A network engineer must implement an application-aware routing policy to allow ICMP traffic to be load-balanced over both the available links. Which configuration meets the requirement?  
A)

```
app-route-policy _VPN_10_AAR
vpn-list VPN_50
sequence 21
match
app-list ICMP
source-ip 0.0.0.0/0
!
action
sla-class ICMP_SLA preferred-color public-internet
sla-class ICMP_SLA preferred-color mpls
```

B)

```
app-route-policy _VPN_10_AAR
vpn-list VPN_50
sequence 21
match
app-list ICMP
source-ip 0.0.0.0/0
!
action
sla-class ICMP_SLA
```

C)

```
app-route-policy _VPN_10_AAR
vpn-list VPN_50
sequence 21
match
app-list ICMP
source-ip 0.0.0.0/0
!
action
sla-class ICMP_SLA preferred-color mpls
backup-sla-preferred-color public-internet
```

D)

```
app-route-policy _VPN_10_AAR
vpn-list VPN_50
sequence 21
match
app-list ICMP
source-ip 0.0.0.0/0
!
action
sla-class ICMP_SLA preferred-color mpls public-internet
```

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

**Answer:** C

#### NEW QUESTION 147

At which layer does the application-aware firewall block applications on a WAN Edge?

- A. 3
- B. 7
- C. 5
- D. 2

**Answer:** B

#### NEW QUESTION 148

Which controller is used for provisioning and configuration in a Cisco SD-WAN solution?

- A. vBond
- B. Manage
- C. WAN Edge router
- D. vSmart

**Answer:** B

#### NEW QUESTION 151

Which protocol runs between the vSmart controllers and WAN Edge routers when the vSmart controller acts like a route reflector?

- A. OMP outside the DTLS/TLS control connection
- B. BGP inside the DTLS/TLS
- C. IPsec inside the DTLS/TLS control connection
- D. OMP inside the DTLS/TLS control connection

**Answer:** D

#### NEW QUESTION 152

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:

When a vEdge device comes up, how does it automatically discover Cisco vManage and Cisco vSmart Controller and establish connections with them? It does so with help from Cisco vBond Orchestrator.

#### NEW QUESTION 157

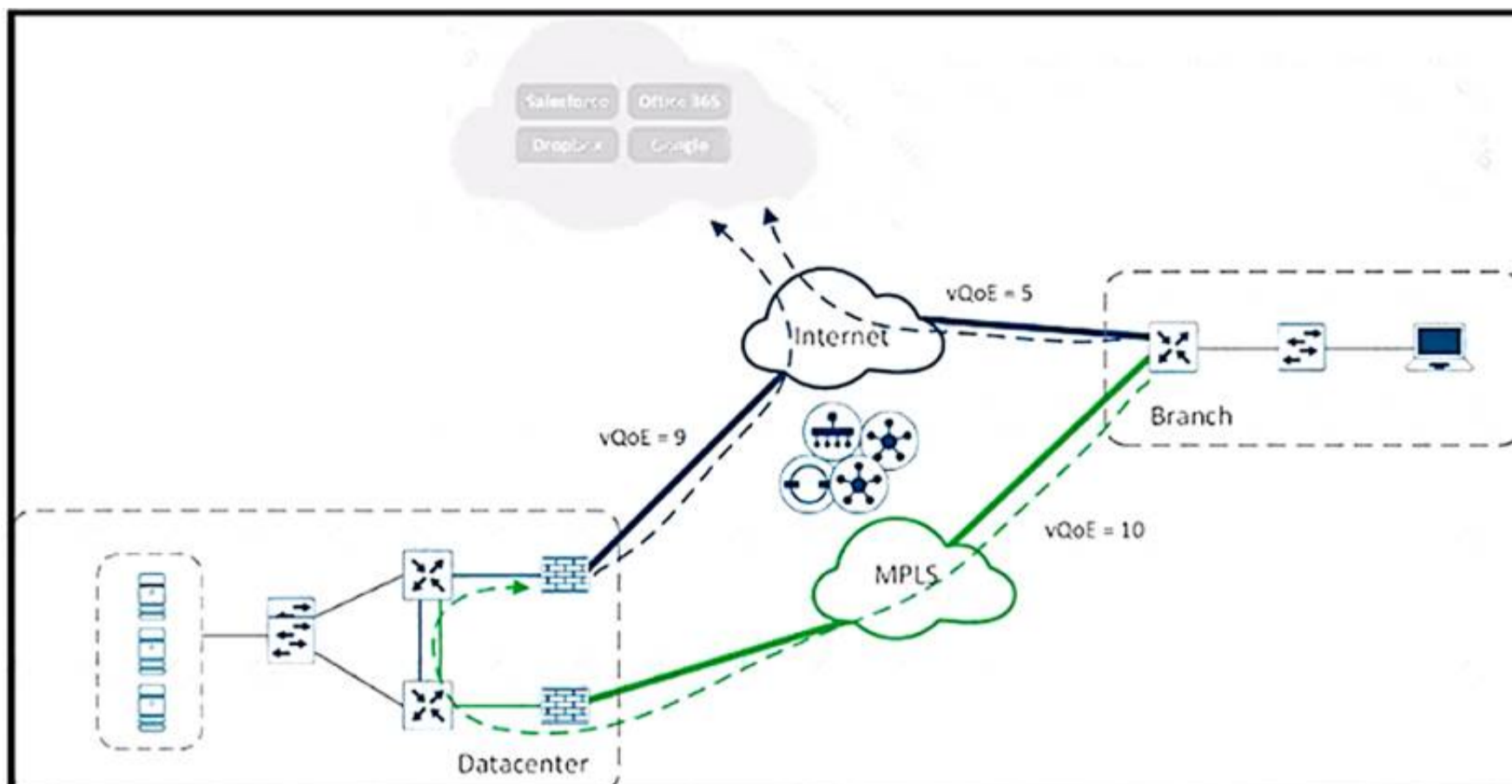
An engineer is applying QoS policy for the transport-side tunnel interfaces to enable scheduling and shaping for a WAN Edge cloud router Which command accomplishes the task?

- A. cloud-qos-service-side
- B. qos-scheduler QOS\_0
- C. qos-map QOS
- D. rewrite-rule QOS-REWRITE

**Answer:** C

#### NEW QUESTION 160

Refer to the exhibit.



A user in the branch is connecting to Office 365 for the first time. Over which path does the branch WAN Edge router traffic follow?

- A. routing table of the branch WAN Edge router
- B. DIA exit of the branch WAN Edge router
- C. forwarded to the gateway site
- D. dropped because the minimum vQoE score has not been met

**Answer: B**

#### NEW QUESTION 161

Which two performance data details are provided by Cisco SO-WAN vAnalytics? (Choose two)

- A. jitter loss and latency for data tunnels
- B. application quality of experience score from zero to ten
- C. detail on total cost of ownership for the fabric
- D. certificate authority status (health and expiration dates) for all controllers
- E. view devices connected to a vManage NMS

**Answer: AB**

#### NEW QUESTION 163

Which Cisco SD-WAN WAN Edge platform supports LTE and Wi-Fi?

- A. vEdge2000
- B. ASR1001
- C. CSR 1000v
- D. ISR 1101

**Answer: D**

#### NEW QUESTION 168

What is the result during a WAN Edge software upgrade process if the version of the WAN Edge software is higher than the one running on a controller device?

- A. The upgrade button is greyed out
- B. The upgrade proceeds with no warning message.
- C. The upgrade fails with a warning message
- D. The upgrade proceeds with a warning message

**Answer: D**

#### NEW QUESTION 173

An engineer builds a three-node vManage cluster and then realizes that multiple nodes are unnecessary for the size of the company. How should the engineer revert the setup to a single vManage?

- A. Remove two node from the three-node vManage duster
- B. Use the cluster conversion utility to convert to standalone vManage
- C. Restore vManage from the backup VM snapshot
- D. Leave the duller as & and point to one vManage

**Answer: B**

#### NEW QUESTION 174

Which two products that perform lifecycle management for virtual instances are supported by WAN Edge cloud routers? (Choose two.)

- A. OpenStack
- B. AWS
- C. VMware vCenter
- D. Azure
- E. IBM Cloud

**Answer:** AC

#### Explanation:

<https://www.cisco.com/c/en/us/solutions/collateral/enterprise-networks/sd-wan/nb-07-cloud-router-data-sheet-ct>

The following figure illustrates Cisco vEdge Cloud router solution elements.



#### NEW QUESTION 177

Refer to the exhibit

| TUNNEL                    |                                                                                                                       |
|---------------------------|-----------------------------------------------------------------------------------------------------------------------|
| Tunnel Interface          | <div> <div></div> <div> <input checked="" type="radio"/> On           <input type="radio"/> Off         </div> </div> |
| Per-tunnel Qos            | <div> <div></div> <div> <input checked="" type="radio"/> On           <input type="radio"/> Off         </div> </div> |
| Per-tunnel QoS Aggregator | <div> <div></div> <div> <input type="radio"/> On           <input checked="" type="radio"/> Off         </div> </div> |

A user has selected the options while configuring a VPN Interface Ethernet feature template What is the required configuration parameter the user must set in this template for this feature to function?

- A. The "IP MTU" field must be increased from the default value of 1500 to support the additional overhead.
- B. The "Shaping Rate (Kbps)" field must be configured with a value
- C. The "Adaptive QoS" field must be set to "on"
- D. The "Bandwidth Downstream" field must be configured with a value

**Answer:** B

#### NEW QUESTION 178

An engineer is configuring a data policy IPv4 prefixes for a site WAN edge device on a site with edge devices. How is this policy added using the policy configuration wizard?

- A. In vManage NMS select (he configure policies screen, select the centralized policy tab and click add policy
- B. In vBood orchestrator
- C. select the configure > policies screen select the localized policy ta
- D. and click add policy
- E. In vManage NM
- F. select the configure policies scree
- G. select the localized policy tab- and click add policy
- H. In vSmart controller select tie configure policies screen, select the localized policy tab, and click add policy

**Answer:** C

#### NEW QUESTION 180

Which two criteria ate supported to filter traffic on a Cisco Umbrella Cloud-delivered firewall? (Choose two )

- A. tunnels
- B. site ID
- C. URL

- D. geolocation
- E. protocol

Answer: AE

Explanation:  
<https://docs.umbrella.com/umbrella-user-guide/docs/add-a-firewall-policy>

NEW QUESTION 184  
Drag and drop the BFD parameters from the left onto the BFD configurations on the right.

poll interval

color

hello interval

PMTU discovery

multiplier

BFD for Transport Tunnel

BFD for Application-Aware Routing

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:  
[https://sdwandocs.cisco.com/Product\\_Documentation/vManage\\_Help/Release\\_18.2/Configuration/Templates/B](https://sdwandocs.cisco.com/Product_Documentation/vManage_Help/Release_18.2/Configuration/Templates/B)

NEW QUESTION 187  
Refer to the exhibit.

Cisco vManage

CONFIGURATION | TEMPLATES

Device Feature

Feature Template > Add Template > BGP

Basic Configuration Unicast Address Family Neighbor Advanced

Shutdown

Yes

No

AS Number

65590

Router ID

192.168.1.1

Propagate AS Path

On

Off

Internal Routes Distance

Local Routes Distance

External Routes Distance

Save Cancel

Which configuration value is used to change the administrative distance of iBGP routes to 20?

- A. Configure internal Routes Distance to 20
- B. Configure Propagate AS Path to off
- C. Configure Local Distance to 20
- D. Configure External routes distance 20

Answer: C

NEW QUESTION 191

An engineer creates this data policy for DIA for VPN 10:

```
data-policy DIA
vpn-list VPN-10
sequence 10
match
destination-data-prefix-list INTERNAL-NETWORKS
!
action accept
```

Which policy sequence enables DIA for external networks?

- ☐ sequence 5  
match  
source-ip 0.0.0.0/0  
!  
action accept  
nat use-vpn 0
- ☐ sequence 5  
match  
destination-ip 0.0.0.0/0  
!  
action reject  
!  
default-action accept
- ☐ sequence 20  
match  
destination-ip 0.0.0.0/0  
!  
action accept  
nat use-vpn 0
- ☐ sequence 20  
match  
source-ip 0.0.0.0/0  
!  
action reject  
!  
default-action accept

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

Answer: C

NEW QUESTION 192

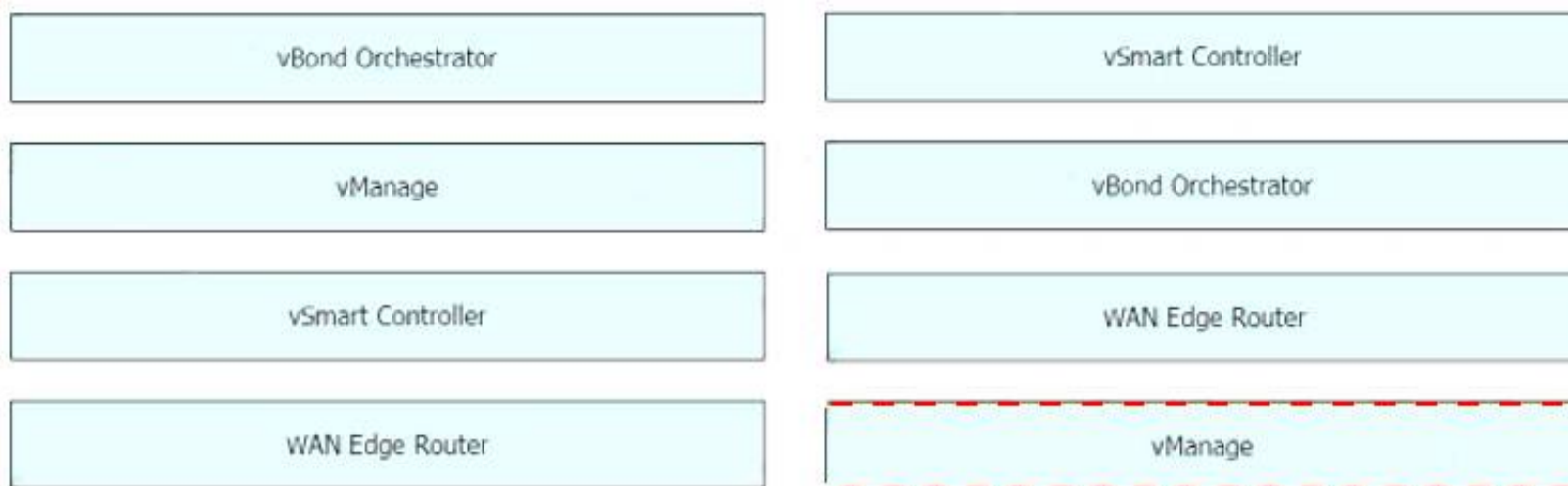
Drag and drop the Cisco SD-WAN components from the left onto their functions on the right.

|                    |                                          |
|--------------------|------------------------------------------|
| vBond Orchestrator | IPsec key reflection and rekeying        |
| vManage            | first point of authentication            |
| vSmart Controller  | passes data plane traffic                |
| WAN Edge Router    | used to build configuration and policies |

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:



#### NEW QUESTION 194

A large retail organization decided to move some of the branch applications to the AWS cloud. How does the network architect extend the in-house Cisco SD-WAN branch to cloud network into AWS?

- A. Create virtual WAN Edge devices Cloud through the AWS online software store
- B. Create virtual instances of vSmart Cloud through the AWS online software store
- C. Create GRE tunnels to AWS from each branch over the Internet
- D. Install the AWS Cloud Router in the main data center and provide the connectivity from each branch

**Answer:** A

#### Explanation:

[https://www.cisco.com/c/en/us/td/docs/solutions/CVD/SDWAN/Cisco\\_Cloud\\_onRamp\\_for\\_IaaS\\_AWS\\_Versio](https://www.cisco.com/c/en/us/td/docs/solutions/CVD/SDWAN/Cisco_Cloud_onRamp_for_IaaS_AWS_Versio)

#### NEW QUESTION 199

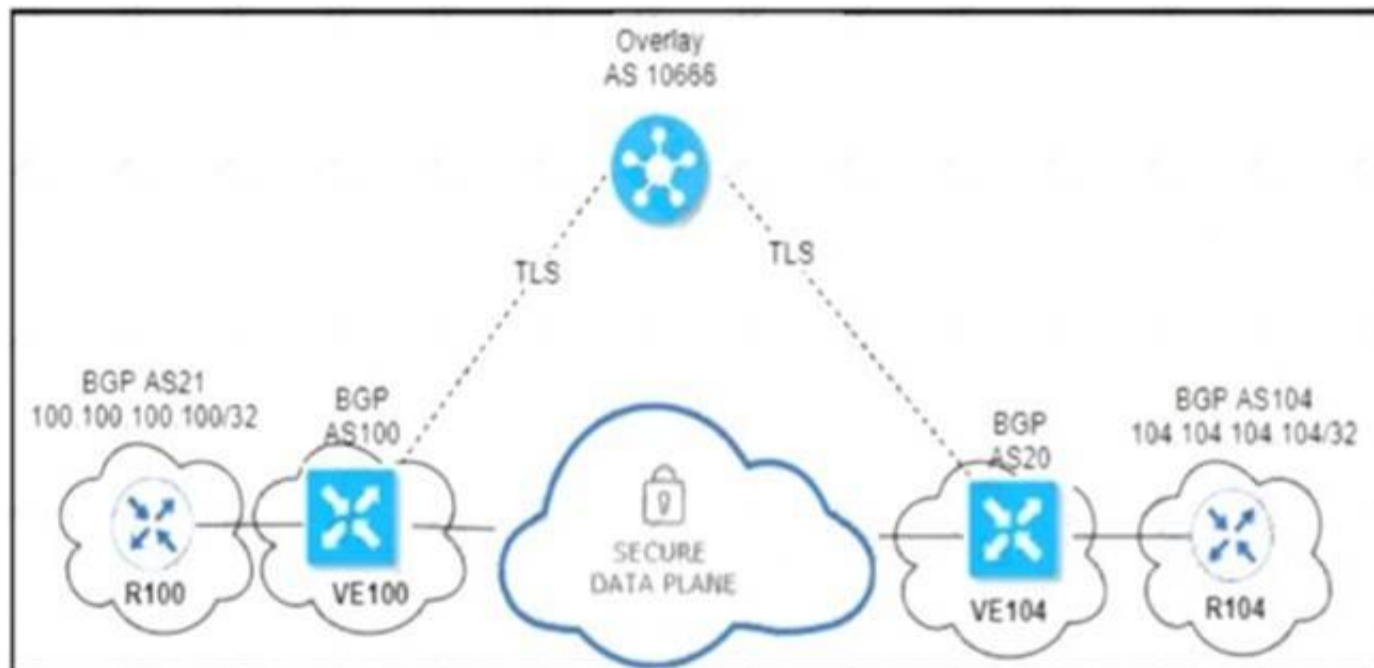
Which protocol is used to measure jitter, loss, and latency on SD-WAN overlay tunnels?

- A. QoE
- B. OMP
- C. BGP
- D. BFD

**Answer:** D

#### NEW QUESTION 200

Refer to the exhibit.



An engineer configured OMP with an overlay-as of 10666. What is the AS-PATH for prefix 104.104.104.104/32 on R100?

- A. 100 10666
- B. 100 20 104
- C. 100 10666 20 104
- D. 100 10666 104

**Answer:** A

#### NEW QUESTION 203

A policy is created to influence routing in the network using a group of prefixes. What policy application will achieve this goal when applied to a site list?

- A. Vpn-membership policy
- B. Control-policy
- C. cflowd-template
- D. App-route policy

**Answer:** B

**Explanation:**

Control policy, which is similar to standard routing policy, operates on routes and routing information in the control plane of the overlay network. Centralized control policy, which is provisioned on the Cisco vSmart Controller, is the Cisco SD-WAN technique for customizing network-wide routing decisions that determine or influence routing paths through the overlay network. Local control policy, which is provisioned on a Cisco vEdge device, allows customization of routing decisions

#### NEW QUESTION 206

Which multicast component is irrelevant when defining a multicast replicator outside the local network without any multicast sources or receivers?

- A. PIM interfaces
- B. TLOC
- C. overlay BFD
- D. OMP

**Answer:** A

#### NEW QUESTION 210

Which on-the-box security feature supported by the Cisco ISR 4451 SD-WAN device and not on vEdge?

- A. Cloud Express service
- B. Enterprise Firewall with Application Awareness
- C. reverse proxy
- D. IPsec/GRE cloud proxy

**Answer:** B

**Explanation:**

<https://www.cisco.com/c/en/us/products/collateral/software/one-wan-subscription/guide-c07-740642.html#Step2>

#### NEW QUESTION 211

Refer to the exhibit

| PEER<br>PRIVATE IP | PEER<br>PRIVATE<br>PORT | PEER<br>PUBLIC IP | PEER<br>PUBLIC<br>PORT | REMOTE COLOR | STATE  | LOCAL<br>ERROR |
|--------------------|-------------------------|-------------------|------------------------|--------------|--------|----------------|
| 10.0.2.73          | 23456                   | 10.0.2.73         | 23456                  | default      | trying | DCONFALL       |

Cisco SD-WAN is deployed with controllers hosted in a data center All branches have WAN Edge devices with dual connections to the data center one via Internet and the other using MPLS Three branches out of 20 have issues with their control connections on MPLS circuit The local error refers to Control Connection Failure Which action resolves the issue\*?

- A. Rectify any issues with the underlay routing configuration
- B. Match the TLOC color on the controllers and all WAN Edge devices
- C. Match certificates for the DTLS connection and Root CA must be installed first on WAN Edge devices
- D. Update the system IP on vManage and then resend it to the controllers

**Answer:** A

#### NEW QUESTION 214

What is a benefit of the application-aware firewall?

- A. It blocks traffic by MAC address
- B. It blocks traffic by MTU of the packet.
- C. It blocks traffic by application.
- D. It blocks encrypted traffic

**Answer:** C

#### NEW QUESTION 218

What is the OMP graceful restart default value on vSmart controllers and WAN Edge routers?

- A. 21,600 seconds
- B. 43,200 seconds
- C. 86,400 seconds
- D. 604,800 seconds

**Answer:** B

#### NEW QUESTION 220

What happens if the intelligent proxy is unreachable in the Cisco SD-WAN network?

- A. The grey-listed domains are unresolved
- B. The Cisco Umbrella Connector locally resolves the DNS request
- C. The block-listed domains are unresolved
- D. The Cisco Umbrella Connector temporarily redirects HTTPS traffic

**Answer:** A

#### NEW QUESTION 222

REST applications communicate over HTTP or HTTPS to make calls between network devices. Which two HTTPS standard methods are included? (Choose two.)

- A. Array
- B. DELETE
- C. POST
- D. Scalar
- E. Object

**Answer:** BC

#### NEW QUESTION 227

Which two products are used to deploy Cisco WAN Edge Router virtual platforms? (Choose two.)

- A. HP ProLiant DL360 Generation10 running HP-UX
- B. Cisco ENCS 5000 Series
- C. Sun SPARC Node running AIX
- D. Cisco UCS
- E. Sun Enterprise M4000 Server running Sun Solans

**Answer:** BD

#### Explanation:

<https://www.cisco.com/c/en/us/products/collateral/routers/5400-enterprise-network-compute-system/datasheet-c>

#### NEW QUESTION 232

Which device should be configured with the service chain IP address to route intersite traffic through a firewall?

- A. vSmart
- B. firewall
- C. spoke WAN Edge
- D. hub WAREdge

**Answer:** A

#### NEW QUESTION 236

Which IP address must be reachable by a WAN Edge device for the ZIP process to work?

- A. 10.1.1.1
- B. 4.4 4.4
- C. 172.16.1.1
- D. 8.8.8.8

**Answer:** D

#### NEW QUESTION 239

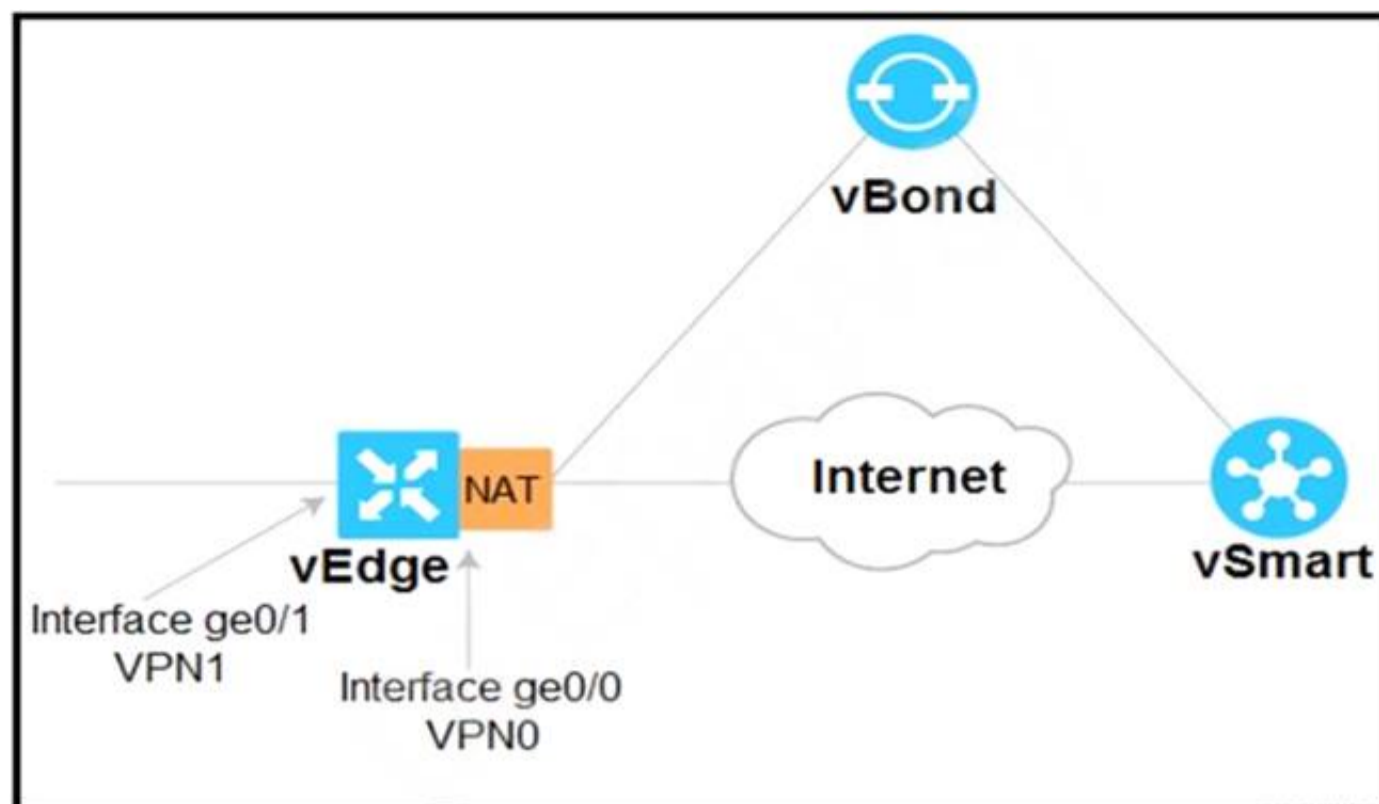
Which two vRoute attributes should be matched or set in vSmart policies and modified by data policies? (Choose two.)

- A. site ID
- B. preference
- C. VPN
- D. TLOC
- E. origin

**Answer:** BC

#### NEW QUESTION 242

Refer to the exhibit



Which configuration sets up direct Internet access for VPN 1?

- ☒ vpn 1
- ```

...
interface ge0/1
...
nat
!
no shutdown
...
vpn 0
...
ip route 0.0.0.0/0 vpn 1

```
- ☐ vpn 1
- ```

...
interface ge0/0
nat
!
no shutdown
...
vpn 0
...
ip route 0.0.0.0 vpn 1

```
- ☐ vpn 0
- ```

...
interface ge0/1
...
ip nat
!
no shutdown
...
vpn 1
...
ip route 0.0.0.0/0 vpn 0

```

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

Answer: C

NEW QUESTION 245

.....

Thank You for Trying Our Product

We offer two products:

1st - We have Practice Tests Software with Actual Exam Questions

2nd - Questions and Answers in PDF Format

300-415 Practice Exam Features:

- * 300-415 Questions and Answers Updated Frequently
- * 300-415 Practice Questions Verified by Expert Senior Certified Staff
- * 300-415 Most Realistic Questions that Guarantee you a Pass on Your First Try
- * 300-415 Practice Test Questions in Multiple Choice Formats and Updates for 1 Year

100% Actual & Verified — Instant Download, Please Click
[Order The 300-415 Practice Test Here](#)