

# Cisco

## Exam Questions 300-415

Implementing Cisco SD-WAN Solutions (ENSDWI)



### NEW QUESTION 1

In a Cisco SD-WAN architecture, what is the role of the WAN Edge?

- A. It provides orchestration to assist in automatic provisioning of WAN Edge routers and overlay
- B. It is the management plane responsible for centralized configuration and monitoring
- C. It is the control plane that builds and maintains network topology
- D. It is the data plane that is responsible for forwarding traffic

**Answer: D**

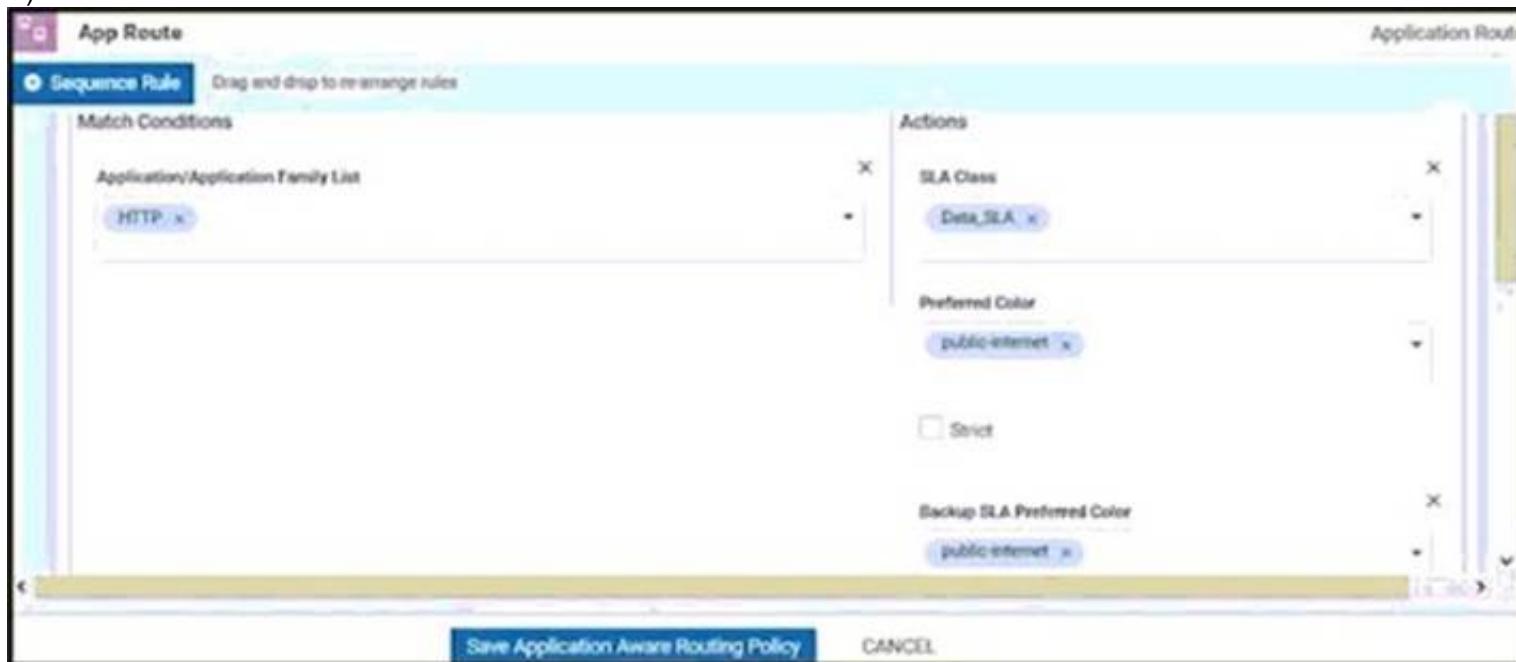
**Explanation:**

Cisco WAN Edge routers are responsible for establishing the network fabric and **forwarding traffic**. Cisco WAN Edge routers come in multiple forms, virtual and

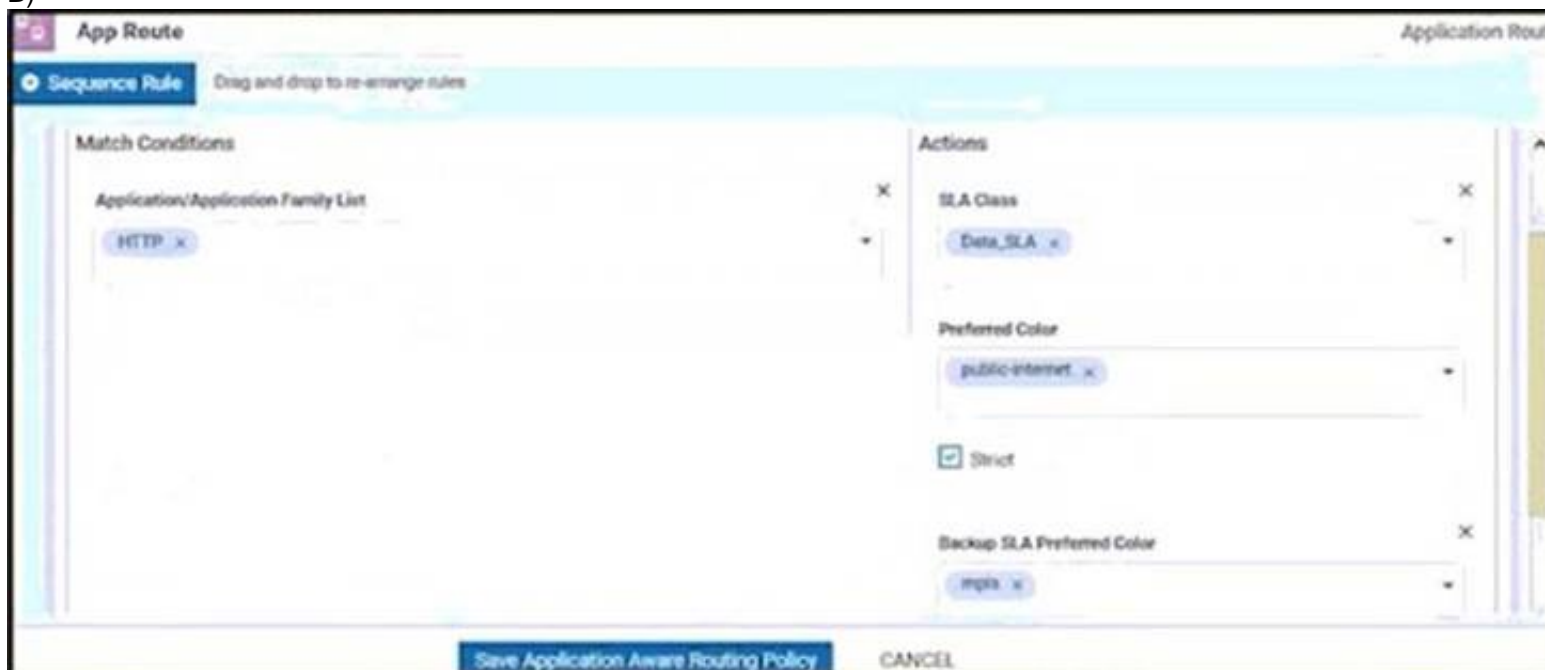
### NEW QUESTION 2

An engineer must improve video quality by limiting HTTP traffic to the Internet without any failover. Which configuration in vManage achieves this goal?

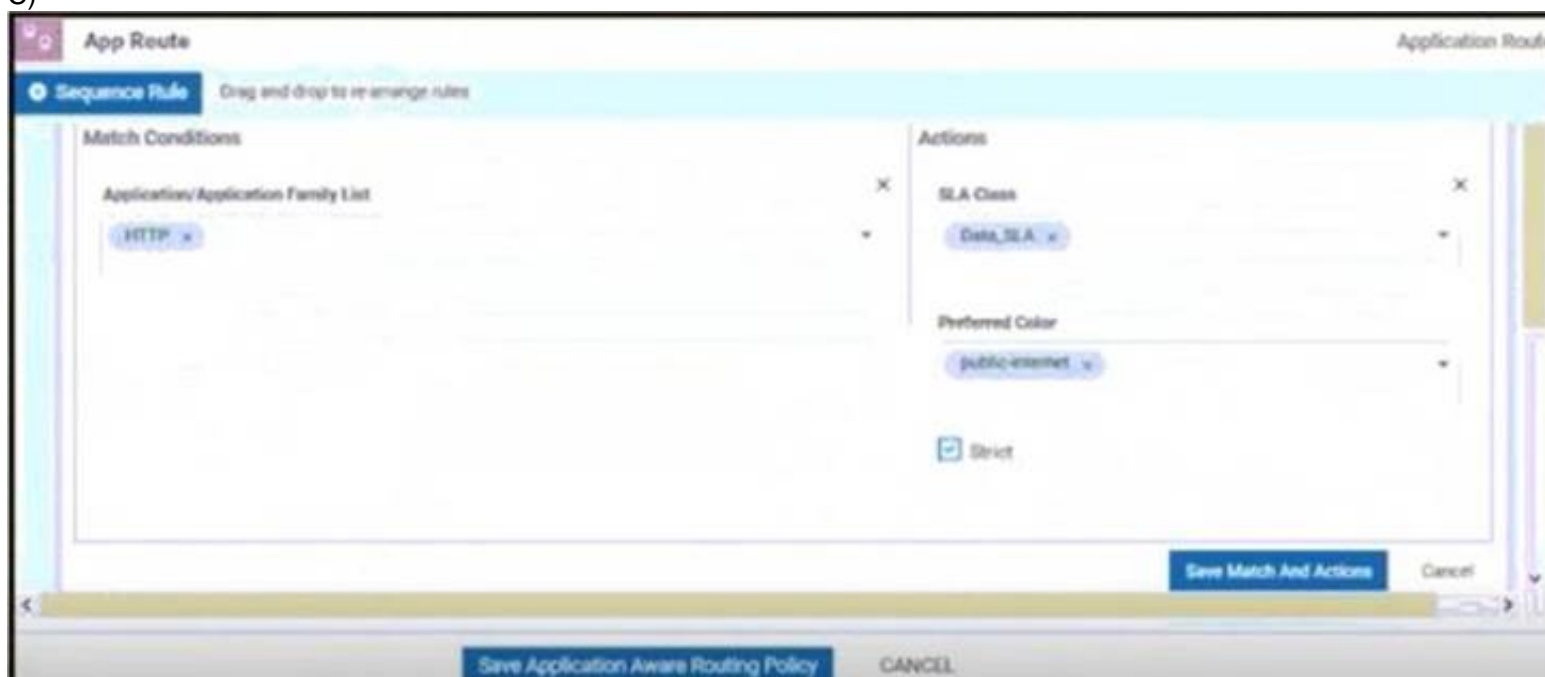
A)



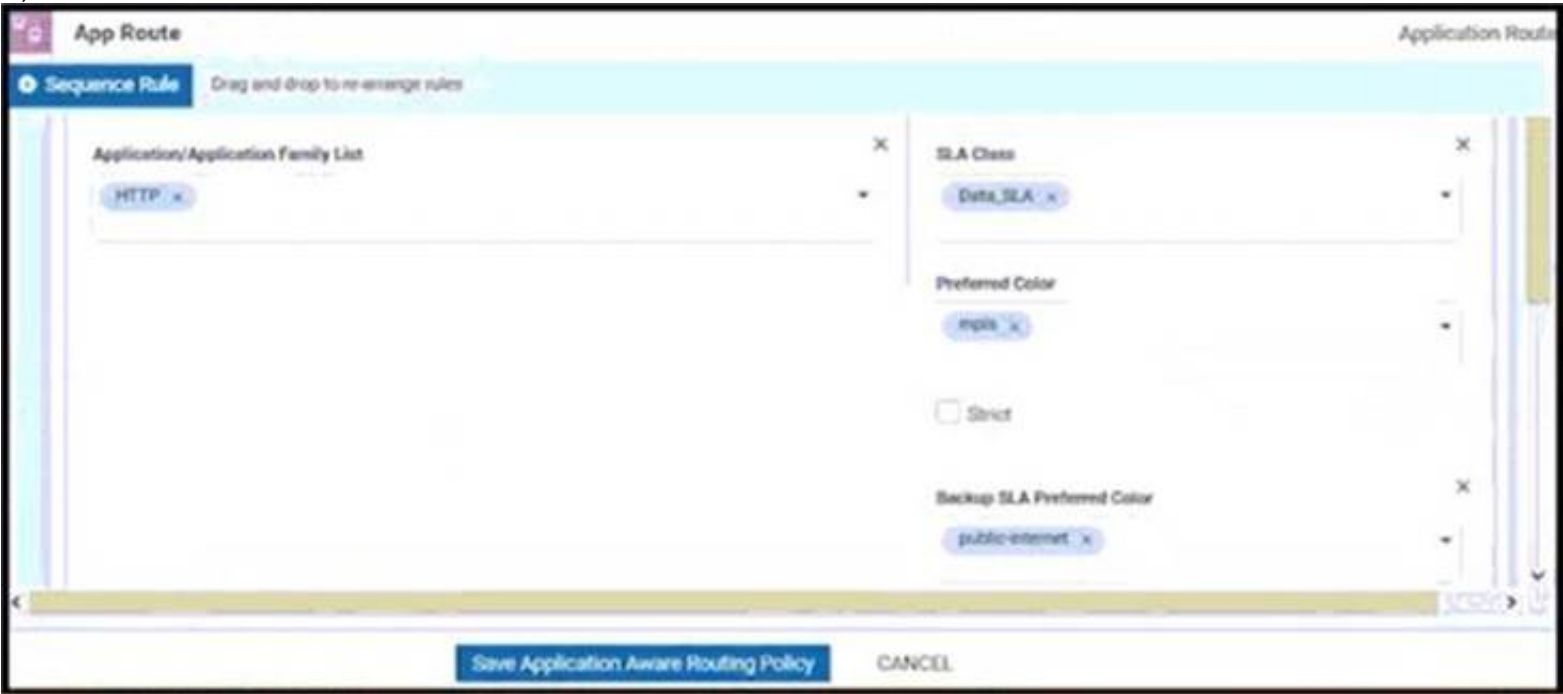
B)



C)



D)



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

Answer: C

NEW QUESTION 3

A customer is receiving routes via OMP from vSmart controller for a specific VPN. The customer must provide access to the W2 loopback received via OMP to the OSPF neighbor on the service-side VPN, which configuration fulfils these requirements?

```
vpn 0
router
  ospf
    redistribute omp route-policy OSPF_Route_Policy
    area 0
    interface ge0/2
    exit
  lists
    prefix-list W2_Loopback
    ip-prefix 10.10.10.5/24
    !
    route-policy OSPF_Route_Policy
    sequence 1
    match
      address W2_Loopback
    !
    default action accept
    set
      metric 100
      metric-type type1

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
    !
    default action accept
    set
      metric 100
      metric-type type1
```

```

- 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

- 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

-----
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 type1
```

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

Answer: D

Explanation:

Answer must start with VPN 10(service side) & should have metric-type 1 and not with VPN 0 (transport side)

NEW QUESTION 4

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	up
vmanage	dtls	10.1.1.1		1	0	10.50.0.1	12446	10.50.0.1	

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						
<div>➤ Send to Controllers      Click Send to Controllers to sync the WAN Edge list on all controllers.</div>						
<div><div>🔍      Search Options ▾</div><div>Total Rows: 20</div></div>						
State	Device Model	Chassis Number	Hostname	IP Address	Serial No./Token	Validate
🟡	vEdge Cloud	9a0cfa0-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	FA46CEE6	Invalid Staging Valid

B)



**CONFIGURATION | DEVICES**

WAN Edge List    Controllers

Change Mode    Upload WAN Edge List    Export Bootstrap Configuration    Sync Smart Account

CLI mode  
vManage mode

Search Options

Total Rows: 20

State	Device Model4	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-b111-8dd5-535fa9c968a2	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-f74bb8754881	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

State	Device Model4	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 Model4	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 5

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

- A. Mastered  
 B. Not Mastered

**Answer: A**

**Explanation:**



#### NEW QUESTION 6

Which logs verify when a device was upgraded?

- A. Audit
- B. Email
- C. ACL
- D. SNMP

**Answer:** A

#### NEW QUESTION 7

An engineer is configuring a data policy for packets that must be captured through the policy. Which command accomplishes this task?

- A. policy > data-policy > vpn-list > sequence > default-action > drop
- B. policy > data-policy > vpn-list > sequence > action
- C. policy > data-policy > vpn-list > sequence > default-action > accept
- D. policy > data-policy > vpn-list > sequence > match

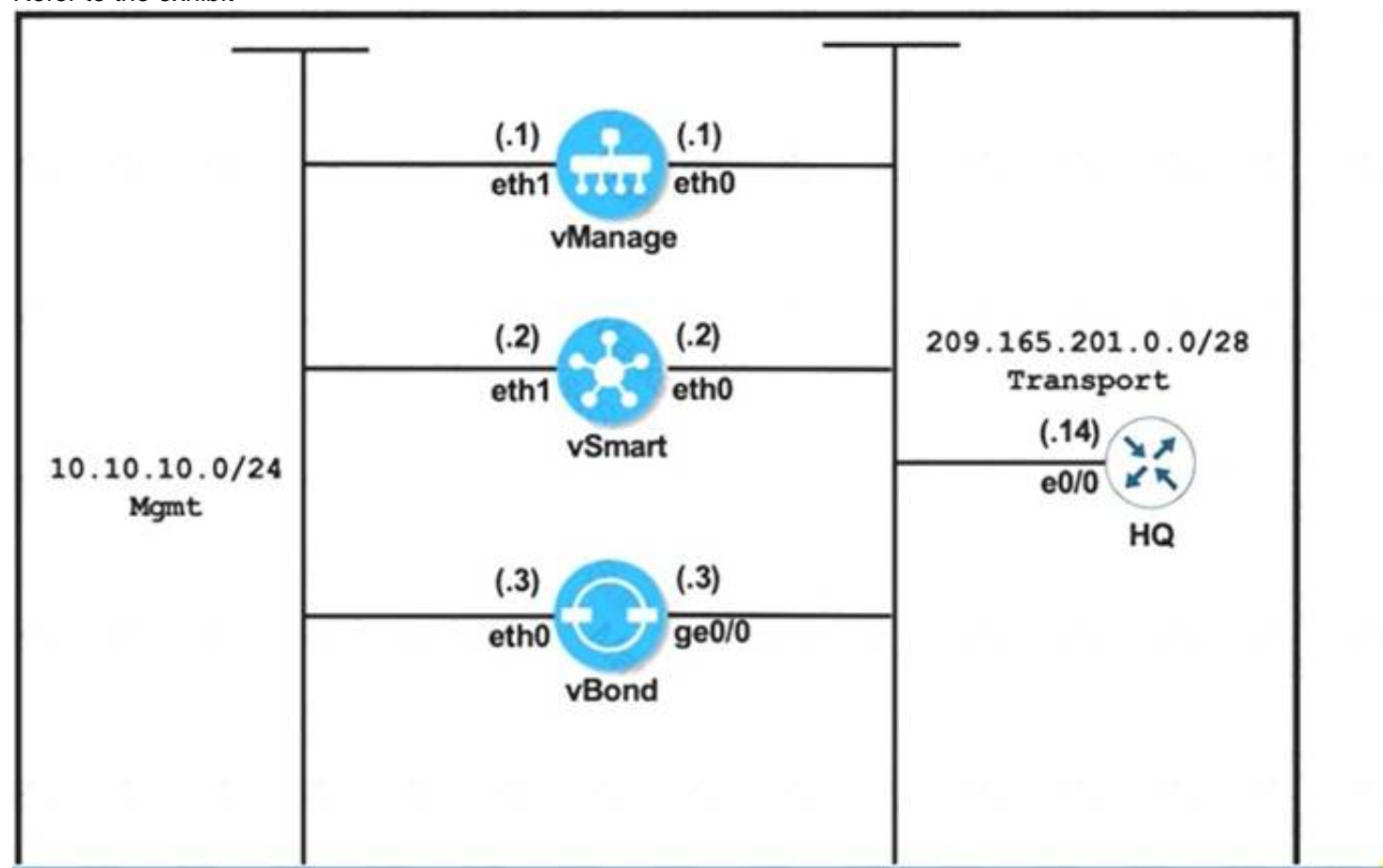
**Answer:** B

#### Explanation:

<https://www.cisco.com/c/dam/en/us/td/docs/routers/sdwan/configuration/config-18-4.pdf#page=357>

#### NEW QUESTION 8

Refer to the exhibit



vManage	vBond
<pre>system system-ip 10.10.10.101 host-name vManage site-id 1 clock timezone Europe/London vbond 209.165.201.3 organization-name Cisco.com ! vpn 0 interface eth0 ip address 209.165.201.1/28 no shut tunnel-interface allow-service all ip route 0.0.0.0/0 209.165.201.14 ! commit</pre>	<pre>system system-ip 10.10.10.103 host-name vBond site-id 1 clock timezone Europe/London vbond 209.165.201.3 local organization-name viptela.com ! vpn 0 interface ge0/0 ip address 209.165.201.3/28 no shut tunnel-interface encapsulation ipsec allow-service all ip route 0.0.0.0/0 209.165.201.14 ! commit</pre>

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 9**

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 10**

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

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

**Answer:** D

**NEW QUESTION 10**

A vEdge platform is sending VRRP advertisement messages every 10 seconds. Which value configures the router back to the default timer?

- A. 2 seconds
- B. 3 seconds
- C. 1 second
- D. 5 seconds

**Answer:** C

**NEW QUESTION 14**

Which table is used by the vSmart controller to maintain service routes of the WAN Edge routers in the hub and local branches?

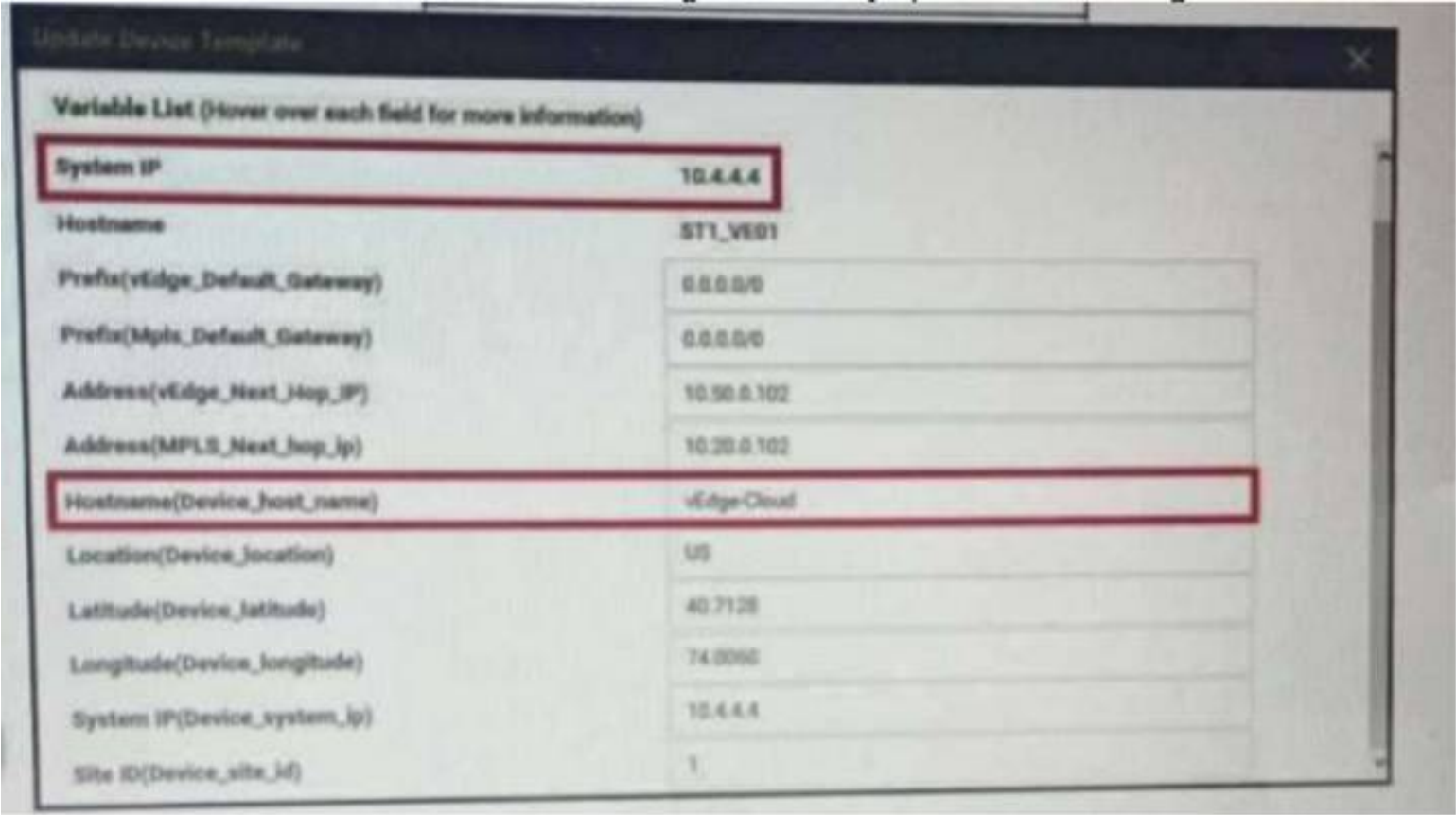
- A. RIB
- B. FIB
- C. OMP
- D. TLOC

**Answer:** C

**NEW QUESTION 18**

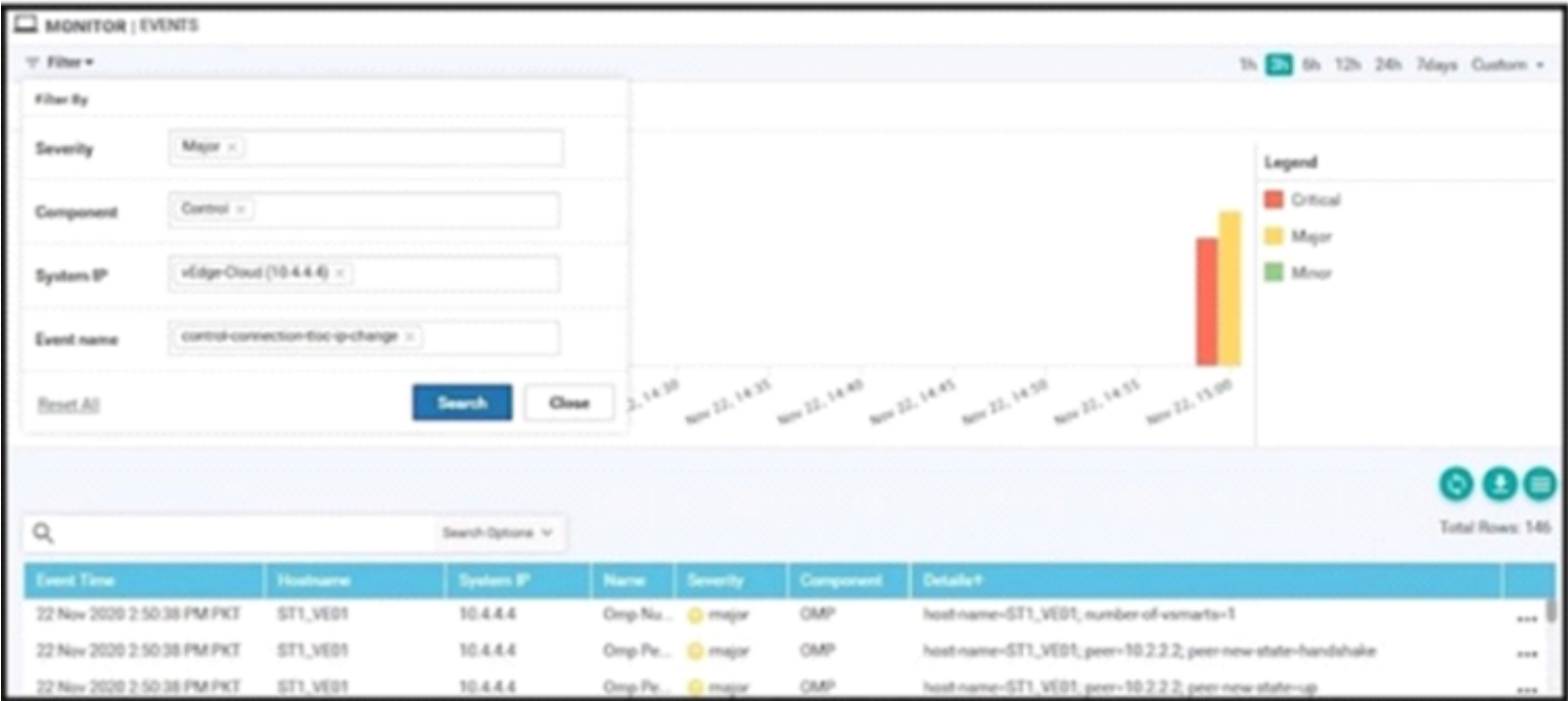
Refer to the exhibit.



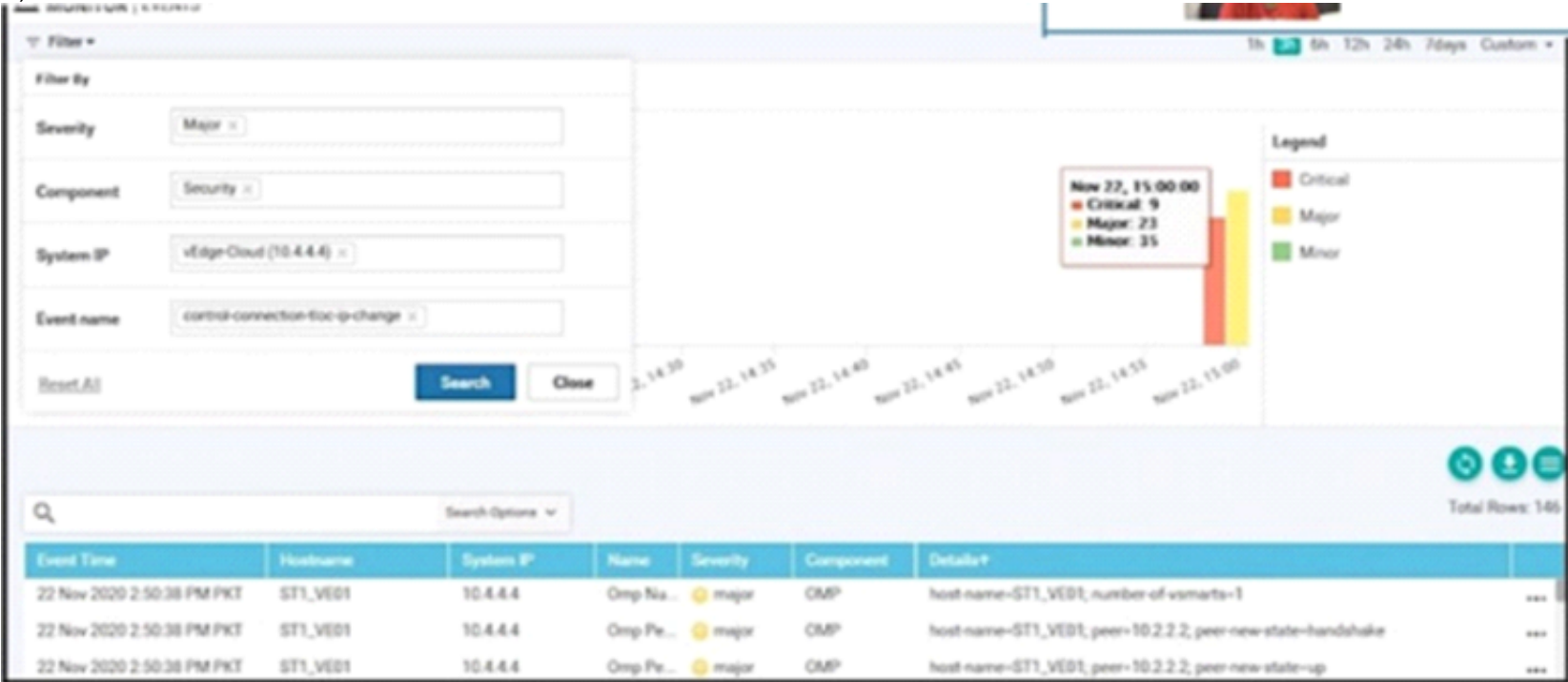


vManage logs are available for the past few months. A device name change deployed mistakenly at a critical site. How is the device name change tracked by operation and design teams?

A)

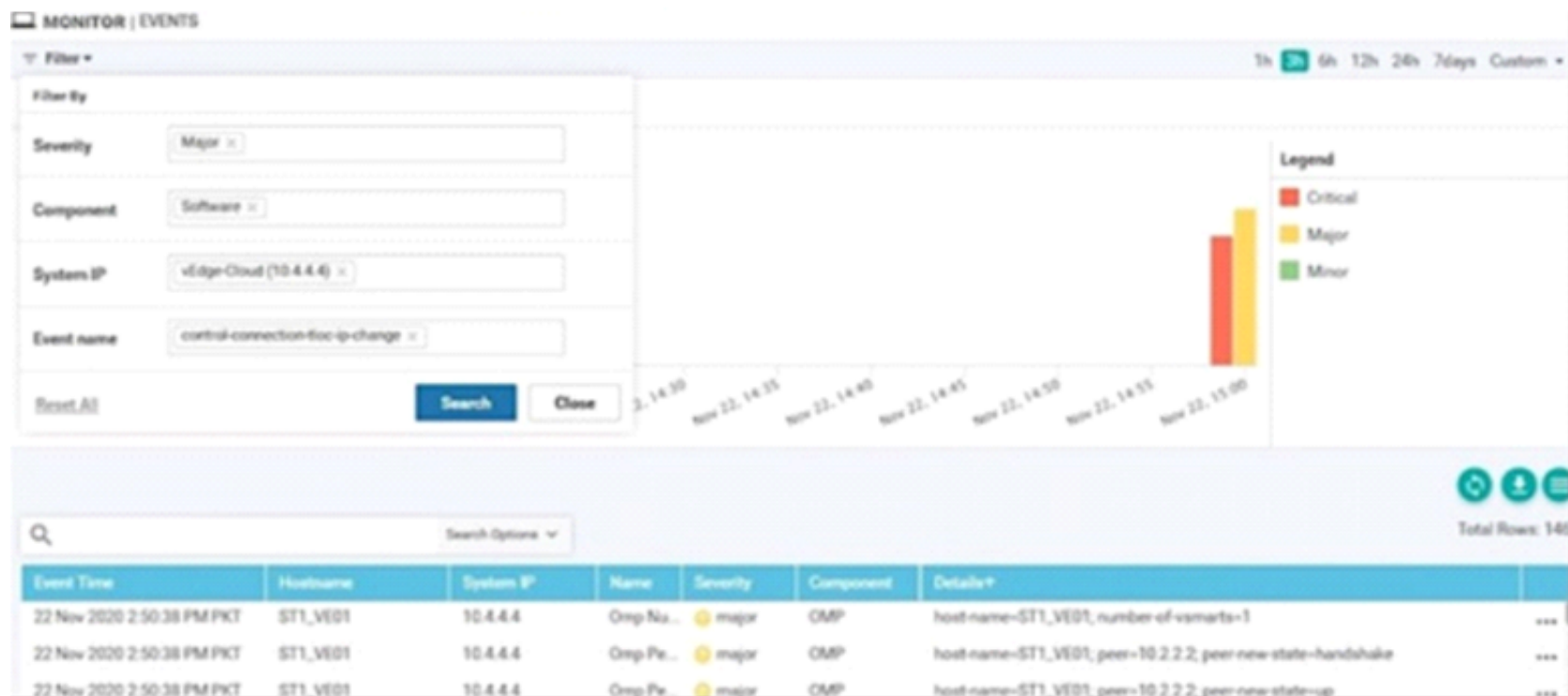


B)



C)





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

**Answer: B**

#### NEW QUESTION 19

A network administrator is configuring VRRP to avoid a traffic black hole when the transport side of the network is down on the master device. What must be configured to get the fastest failover to standby?

- A. lower timer interval
- B. prefix-list tracking
- C. higher group ID number
- D. OMP tracking

**Answer: B**

**Explanation:**

```
vEdge(config-vrrp)# track-prefix-list list-name
```

If all OMP sessions are lost, VRRP failover occurs as described for the track-omp option. In addition, if reachability to all the prefixes in the list is lost, VRRP failover occurs immediately, without waiting for the OMP hold timer to expire, thus minimizing the amount of overlay traffic is dropped while the vEdge routers determine the VRRP master.

#### NEW QUESTION 20

Which secure connection should be used to access the REST APIs through the Cisco vManage web server?

- A. HTTP inspector interface
- B. authenticated HTTPS
- C. authenticated DTLS
- D. JSON Inspector interface

**Answer: B**

**Explanation:**

<https://documenter.getpostman.com/view/3224967/SVmpXhXd#ed9ccd34-cc5a-4258-bb6b-9b3848b7f650>

#### NEW QUESTION 21

Which command verifies a policy that has been pushed to the vEdge router?

- A. vEdge# show running-config data policy
- B. vEdge# show policy from-vsmart
- C. vSmart# show running-config policy
- D. vSmart# show running-config apply-policy

**Answer: B**

#### NEW QUESTION 23

Drag and drop the components from the left onto the corresponding Cisco NFV infrastructure Building Blocks on the right. Not all options are used.



- A. Mastered  
 B. Not Mastered

**Answer:** A

**Explanation:**

## Cisco NNFV Infrastructure Building Blocks

- **Compute:** Cisco Unified Computing System™ (Cisco UCS®) for a carrier class and reliable compute infrastructure.
- **Storage:** Cisco UCS hardware and CEPH provide reliable storage. The user has the options to introduce additional storage as capacity needs grow.
- **Networking:** Cisco Nexus® 9000 series hardware provides high throughput, low latency, and rich feature sets.
- **Virtualized Infrastructure:** Fully integrated Red Hat Enterprise Linux and Red Hat OpenStack Platform runs on top of Cisco Unified Computing System™ (Cisco UCS®). It is open source yet hardened and mature.
- **Management:** Cisco UCS Director functions as a unified management tool across multiple virtual environments. SDN controller is optional.

### NEW QUESTION 26

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 28

Which vBond system configuration under VPN 0 allows for a routable public IP address even if the DNS name, hostname, or IP address of the vBond orchestrator are omitted?

- A. local  
 B. vbond-only  
 C. dns-name  
 D. WAN

**Answer:** A

### NEW QUESTION 33

A bank is looking for improved customer experience for applications and reduce overhead related to compliance and security. Which key feature or features of the Cisco SD-WAN solution will help the bank to achieve their goals?

- A. Integration with PaaS providers to offer the best possible application experience
- B. QoS including application prioritization and meeting critical applications SLA for selecting optimal path.
- C. implementation of a modern age core banking system
- D. implementation of BGP across the enterprise routing for selecting optimal path

**Answer:** B

**Explanation:**

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

**NEW QUESTION 38**

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

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

**Answer:** D

**NEW QUESTION 43**

When the VPN membership policy is being controlled at the vSmart controller, which policy disallows VPN 1 at sites 20 and 30?

A)

```
apply-policy
site-list 20-30
  vpn-membership disallow-vpn 1
!
!
policy
lists
  site-list 20-30
  site-id 20
  site-id 30
!
vpn-list VPN 1
  vpn 10
  vpn 20
!
!
vpn-membership disallow-vpn 1
  sequence 10
  match
    vpn-list VPN 1
  !
  action reject
  !
!
default-action accept
```

B)

```
policy
lists
  site-list 20-30
  site-id 20
  site-id 30
!
prefix-list drop-list
ip-prefix 10.200.1.0/24
!
!
control-policy drop-unwanted-routes
sequence 10
match route
  prefix-list drop-list
!
action reject
!
!
default-action accept
```

C)

```
apply-policy
site-list 20-30
  vpn-membership disallow-vpn1
!
!
policy
lists
  site-list 20-30
  site-id 20
  site-id 30
!
!
vpn-membership disallow-vpn1
sequence 10
match vpn-id 1
action reject
!
!
default-action accept
```

D)



```
policy
lists
  site-list BP-Sites
    site-id 10
    site-id 20
  vpn-list All-BPs
    vpn 100
    vpn 101
  vpn-list Enterprise-BP
    vpn 200
control-policy import-BPs-to-Enterprise
sequence 10
match route
  vpn-list All-BPs
!
action accept
export-to vpn-list Enterprise-BP
!
!
!
default-action accept
```

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

Answer: C

NEW QUESTION 48

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

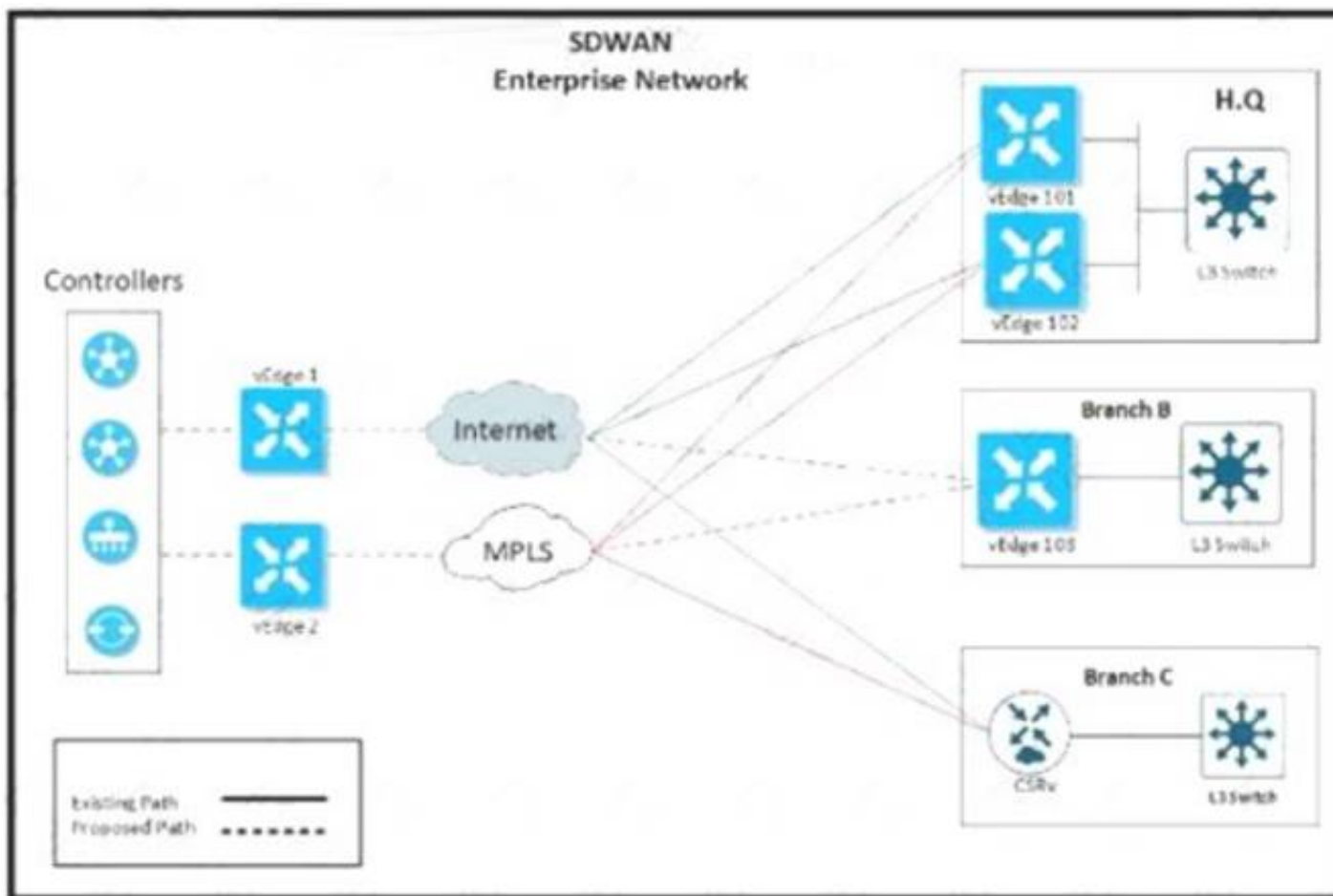
Answer: A

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 52

Refer to the exhibit.



The network team must configure branch B WAN Edge device 103 to establish dynamic full-mesh IPsec tunnels between all colors with branches over MPLS and Internet circuits. The branch is configured with:

```
viptela-system:system
device-model vedge-cloud
host-name vEdge-Cloud
location CA
system-ip 10.4.4.4
domain-id 1
site-id 1
organization-name ABC
clock timezone US/Newyork
vbond 10.10.0.1 port 12346

omp
no shutdown
graceful-restart

vpn 512
interface eth0
ip address 10.0.0.1/24
no shutdown
```

Which configuration meets the requirement?

A)

```
vpn 0
interface ge0/0
description "Internet Circuit"
ip address 209.165.200.225/30
tunnel-interface
encapsulation ipsec
color public-internet
allow-service all

interface ge0/1
description "MPLS"
ip address 10.10.0.101/30
tunnel-interface
encapsulation ipsec
color mpls
allow-service all
```

B)

```
vpn 0
interface ge0/0
description "Internet Circuit"
ip address 209.165.200.225/30
tunnel-interface
encapsulation ipsec
color public-internet restrict
allow-service all

interface ge0/1
description "MPLS"
ip address 10.10.0.101/30
tunnel-interface
encapsulation ipsec
color mpls restrict
allow-service all
```

C)

```
vpn 0
interface ge0/0
description "Internet Circuit"
ip address 209.165.200.225/30
tunnel-interface
encapsulation ipsec
color public-internet restrict
allow-service all

interface ge0/1
description "MPLS"
ip address 10.10.0.101/30
tunnel-interface
encapsulation ipsec
color mpls restrict
allow-service all

D)
vpn 0
interface ge0/0
description "Internet Circuit"
ip address 209.165.200.225/30
tunnel-interface
encapsulation ipsec
color public-internet
allow-service all

vpn 1
interface ge0/1
description "MPLS"
ip address 10.10.0.101/30
tunnel-interface
encapsulation ipsec
color mpls
```

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

Answer: A

NEW QUESTION 56

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-band 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 IPsec connections between vSmart controllers and vEdge routers, and between vSmart and vBond

Answer: A

Explanation:

- VPN 0 is the transport VPN. It carries control traffic over secure DTLS or TLS connections between vSmart controllers and vEdge routers, and between vSmart controllers and vBond orchestrators. Initially, VPN 0 contains all a device's interfaces except for the management interface, and all the interfaces are disabled. For the control plane to establish itself so that the overlay network can function, you must configure WAN transport interfaces in VPN 0.

NEW QUESTION 61

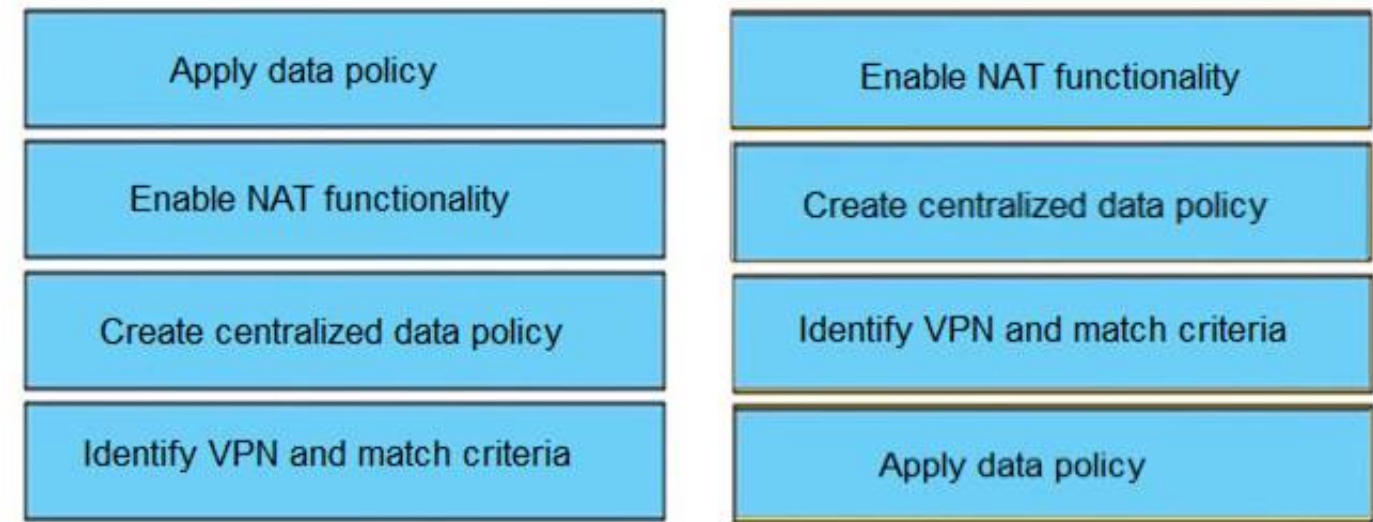
Drag and drop the actions from the left into the correct sequence on the right to create a data policy to direct traffic to the Internet exit.

Apply data policy	Step 1
Enable NAT functionality	Step 2
Create centralized data policy	Step 3
Identify VPN and match criteria	Step 4

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:



NEW QUESTION 64

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 69

Which two mechanisms are used to guarantee the integrity of data packets in the Cisco SD-WAN architecture data plane? (Choose two)

- A. transport locations  
B. authentication headers  
C. certificates  
D. TPM chip  
E. encapsulation security payload

Answer: BE

Explanation:

[https://sdwan-docs.cisco.com/Product\\_Documentation/Software\\_Features/Release\\_18.4/Security/01Security\\_Ov](https://sdwan-docs.cisco.com/Product_Documentation/Software_Features/Release_18.4/Security/01Security_Ov)

NEW QUESTION 72

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 74

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 76

Refer to the exhibit.

```
policy
  policer ccnp
    rate 1000000
    burst 15000
    exceed drop
  !
access-list acl-guest
  sequence 1
  match
    source-ip 172.16.10.0/24
    destination-ip 172.16.20.0/24
    destination-port 20
    protocol 6
  !
  action accept
    policer ccnp
  !
  !
default-action drop
```

Which QoS treatment results from this configuration after the access list acl-guest is applied inbound on the vpn1 interface?

- A. A UDP packet sourcing from 172.16.20.1 and destined to 172.16.10.1 is accepted
- B. A TCP packet sourcing from 172.16.10.1 and destined to 172.16.20.1 is dropped
- C. A UDP packet sourcing from 172.16.10.1 and destined to 172.16.20.1 is dropped.
- D. A TCP packet sourcing from 172.16.20.1 and destined to 172.16.10.1 is accepted

**Answer: C**

#### NEW QUESTION 77

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 79

Which routing protocol is used to exchange control plane information between vSmart controllers and WAN Edge routers in the Cisco SD-WAN secure extensible network?

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

**Answer: D**

#### NEW QUESTION 83

A voice packet requires a latency of 50 msec. Which policy is configured to ensure that a voice packet is always sent on the link with less than a 50 msec delay?

- A. centralized control
- B. localized data
- C. localized control
- D. centralized data

**Answer: D**

#### Explanation:

<https://www.cisco.com/c/en/us/td/docs/routers/sdwan/configuration/policies/ios-xe-17/policies-book-xe/applicat>

#### NEW QUESTION 86

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 88

An engineer is adding a tenant with location JD 306432373 in vManage. What is the maximum number of alphanumeric characters that are accepted in the tenant name field?

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

Answer: B

Explanation:

In the Add Tenant window:

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

NEW QUESTION 90

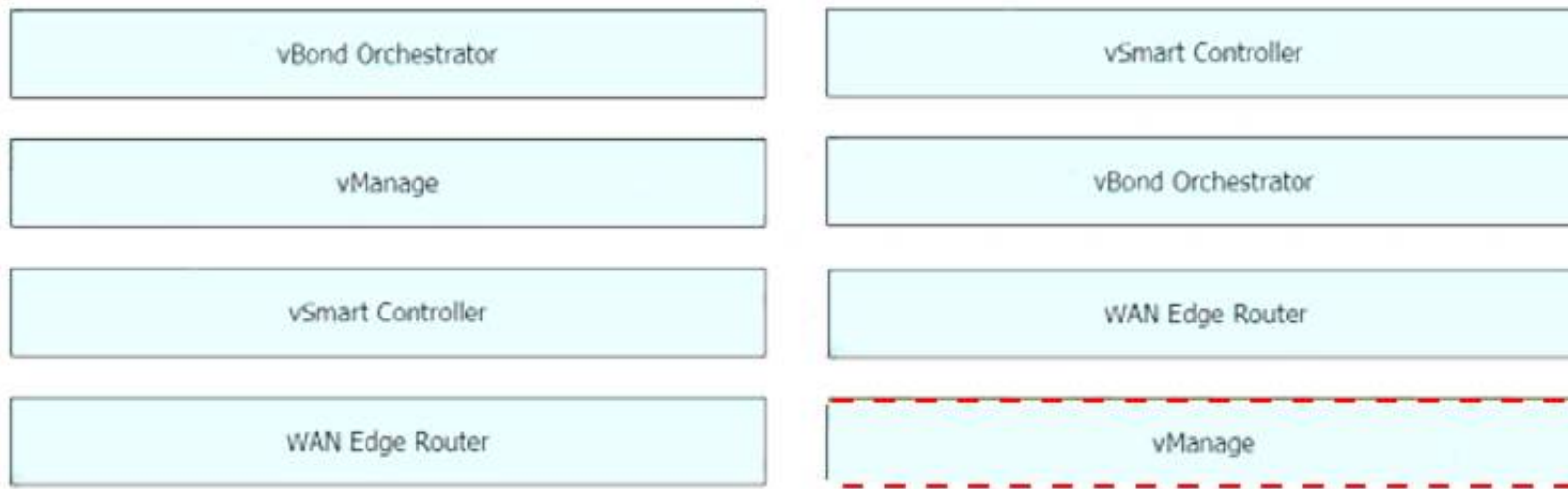
Drag and drop the Cisco SD-WAN components from the left onto their functions on the right.

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 95

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:

vSmart controller - This software-based component is responsible for the centralized control plane of the SD-WAN network. It maintains a secure connection to each WAN Edge router and distributes routes and policy information via the Overlay Management Protocol (OMP), acting as a route reflector. It also orchestrates the secure data plane connectivity between the WAN Edge routers by reflecting crypto key information originating from WAN Edge routers, allowing for a very scalable, IKE-less architecture.

#### NEW QUESTION 96

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 98

Which secure tunnel type should be used to connect one WAN Edge router to other WAN Edge routers?

- A. TLS
- B. DTLS
- C. SSL VPN
- D. IPsec

**Answer:** D

#### NEW QUESTION 103

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 105

What prohibits deleting a VNF image from the software repository?

- A. if the image is stored by vManage
- B. if the image is referenced by a service chain
- C. if the image is uploaded by a WAN Edge device



D. if the image is included in a configured policy

**Answer:** D

#### NEW QUESTION 109

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

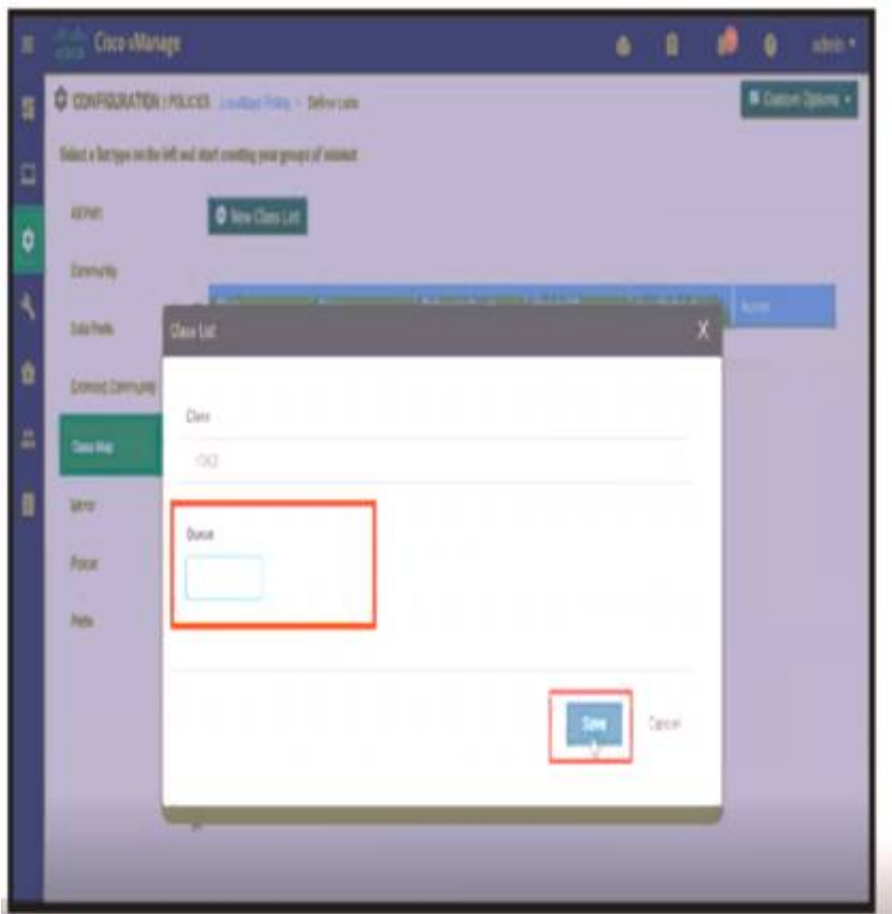
**Answer:** A

#### Explanation:

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

#### NEW QUESTION 111

Refer to the exhibit.



A network administrator is setting the queueing value for voice traffic for one of the WAN Edge routers using vManager GUI. Which queue value must be set to accomplish this task?

- A. 1
- B. 2
- C. 3

**Answer:** A

#### NEW QUESTION 116

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 120

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

VPN 512	routing policy
VPN 0	transport VPN
route-map	management VPN
organization name	service VPN
VPN 10	system information

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

VPN 512	route-map
VPN 0	VPN 0
route-map	VPN 512
organization name	VPN 10
VPN 10	organization name

NEW QUESTION 122

An organization requires the use of integrated preventative engines, exploit protection, and the most updated and advanced signature-based antivirus with sandboxing and threat intelligence to stop malicious attachments before they reach users and get executed. Which Cisco SD-WAN solution meets the requirements?

- A. Cisco Trust Anchor module
- B. URL filtering and Umbrella DNS security
- C. Cisco AMP and Threat Grid
- D. Snort IPS

Answer: D

NEW QUESTION 124

When redistribution is configured between OMP and BGP at two Data Center sites that have Direct Connection interlink, which step avoids learning the same routes on WAN Edge routers of the DCs from LAN?

- A. Define different VRFs on both DCs
- B. Set same overlay AS on both DC WAN Edge routers
- C. Set down-bit on Edge routers on DC1
- D. Set OMP admin distance lower than BGP admin distance

Answer: B

Explanation:

Typically, there are more than one datacenters for HA/redundancy requirements. After successful migration of the first datacenter, migrate the second datacenter in a similar method as explained in this section. Note that a routing loop can occur if there is a backdoor link between the datacenter sites and route advertisement is configured between the two datacenters. To avoid the loop, any of the three methods explained below can be used:

1. Use the same Autonomous System Numbers (ASN) on edge routers of the two datacenters. Because of the same ASN, the AS-PATH attribute will avoid learning the same prefixes on the edge routers that are advertised by the other datacenter towards the LAN side.

2. Use overlay-AS to insert Overlay Management Protocol (OMP) AS number when redistributing the routes from OMP into LAN side towards DC LAN. Configure all DC SD-WAN edge routers with the same overlay-as. This allows the edges to filter the routes advertised by the other DCs edge devices towards the LAN side and prevents redistributing the same routes back into OMP.

3. Use tags or communities to mark the prefixes at one datacenter when redistributing to DC LAN and filter on the edge of the other datacenter when learning advertisements from the LAN side.

#### NEW QUESTION 128

Drag and drop the security terminologies from the left onto the PCI-compliant network features and devices on the right.

transport security	IPS
perimeter security	zone-based firewall and VPNs
segmentation	IPsec VPN
attack prevention	firewall

- A. Mastered  
 B. Not Mastered

Answer: A

#### Explanation:

Graphical user interface, application Description automatically generated

#### NEW QUESTION 130

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

A network administrator is configuring a tunnel interface on a branch Cisco IOS XE router to run TLOC extensions. Which configuration will extend a TLOC over a GRE tunnel to another router in the branch?

- ☒ sdwan  
 interface g0/0  
 extended-interface  
 tloc-extension-gre-from 10.1.1.1
- ☐ sdwan  
 interface g0/0  
 gre-interface  
 tloc-extension-gre-to 10.1.1.1
- ☐ sdwan  
 interface g0/0  
 tunnel-interface  
 tloc-extension-gre-to 10.1.1.1
- ☐ sdwan  
 interface g0/0  
 tloc-interface  
 tloc-extension-gre-from 10.1.1.1

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

**Answer: C**

**Explanation:**

Configure a tunnel interface over which to run TLOC extensions (on IOS XE routers only). TLOC extensions allow you to extend a TLOC, over a GRE tunnel, to another router in the branch.

**Command Hierarchy**

```
sdwan
  interface interface-name
    tunnel-interface
      tloc-extension-gre-to extended-interface-ip-address
```

**NEW QUESTION 137**

A network administrator is configuring an application-aware firewall between inside zones to an outside zone on a WAN edge router using vManage GUI. What kind of Inspection is performed when the "inspect" action is used?

- A. stateful inspection for TCP and UDP
- B. stateful inspection for TCP and stateless inspection of UDP
- C. IPS inspection for TCP and Layer 4 inspection for UDP
- D. Layer 7 inspection for TCP and Layer 4 inspection for UDP

**Answer: A**

**Explanation:**

Cisco's Enterprise Firewall with Application Awareness uses a flexible and easily understood zone-based model for traffic inspection, compared to the older interface-based model.

A firewall policy is a type of localized security policy that allows **stateful inspection** of TCP, UDP, and ICMP data traffic flows.

**NEW QUESTION 139**

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 144

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 147

A network administrator is tasked to make sure that an OMP peer session is closed after missing three consecutive keepalive messages in 3 minutes. Additionally, route updates must be sent every minute. If a WAN Edge router becomes unavailable, the peer must use last known information to forward packets for 12 hours. Which set of configuration commands accomplishes this task?

- ☒ `omp  
timers  
advertisement-interval 60  
holdtime 180  
graceful-restart-timer 43200`
- ☐ `omp  
timers  
advertisement-interval 1  
holdtime 180  
graceful-restart-timer 43200`
- ☐ `omp  
timers  
advertisement-interval 1  
holdtime 180  
graceful-restart-timer 720`
- ☐ `omp  
timers  
advertisement-interval 60  
holdtime 60  
graceful-restart-timer 720`

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

**Answer:** A

#### Explanation:

[https://sdwan-docs.cisco.com/Product\\_Documentation/vManage\\_Help/Release\\_17.2/Configuration/Templates/O](https://sdwan-docs.cisco.com/Product_Documentation/vManage_Help/Release_17.2/Configuration/Templates/O)

#### NEW QUESTION 151

Which component of the Cisco SD-WAN architecture oversees the control plane of overlay network to establish, adjust, and maintain the connections between the WAN Edge devices that form the Cisco SD-WAN fabric?

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

**Answer:** C

#### Explanation:

Cisco vSmart Controller

The Cisco vSmart Controller oversees the control plane of the Cisco SD-WAN overlay network, establishing, adjusting, and maintaining the connections that form the Cisco SD-WAN fabric.

#### NEW QUESTION 154

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

- A. SNMP

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

**Answer:** BC

#### NEW QUESTION 157

An engineer wants to change the configuration of the certificate authorization mode from manual to automated. Which GUI selection will accomplish this?

- A. Maintenance > Security
- B. Configuration > Certificates
- C. Administration > Settings
- D. Tools > Operational Commands

**Answer:** C

#### Explanation:

Runbook to Request and Install Cisco PKI Certificates

1. Verify that you have satisfied the prerequisites and that you have added the Smart Account credentials.
2. Navigate to **Administration > Settings** > Controller Certificate Authorization and press Edit.
3. Select the **radio button Cisco Automated** (Recommended).

#### NEW QUESTION 158

How is multicast routing enabled on devices in the Cisco SD-WAN overlay network?

- A. The WAN Edge routers originate multicast service routes to the vSmart controller via OMP, which then forwards joins for requested multicast groups based on IGMP v1 or v2 toward the source or PIM-RP as specified in the original PIM join message.
- B. The vSmart controller originates multicast service routes to the WAN Edge routers via OMP, which then forwards joins for requested multicast groups based on IGMP v1 or v2 toward the source or PIM-RP as specified in the original PIM join message
- C. The vSmart controller originates multicast service routes to the WAN Edge routers via OMP, which then forwards joins (or requested multicast groups based on IGMP v2 or v3 toward the source or PIM-RP as specified in the original PIM join message
- D. The WAN Edge routers originate multicast service routes to the vSmart controller via OM
- E. which then forwards joins for requested multicast groups based on iGMP v2 or v3 toward the source or PIM-RP as specified in the original PIM join message

**Answer:** A

#### Explanation:

<https://www.cisco.com/c/en/us/td/docs/routers/sdwan/configuration/routing/ios-xe-17/routing-book-xe/m-multic>

#### NEW QUESTION 162

Refer to the exhibit.

PEER TYPE	PEER PROTOCOL	PEER SYSTEM ID	SITE IP	DOMAIN ID	PEER PRIVATE IP	PEER PRIVATE PORT	PEER PUBLIC IP	PUBLIC PORT	CONTROLLER LOCAL	GROUP STATE
vbond	dtls	-	0	0	1.3.25.25	12346	1.3.25.25	12346	gold	connect
vbond	dtls	-	0	0	1.3.25.25	12346	1.3.25.25	12346	silver	connect

An engineer is troubleshooting a control connection Issue. What does "connect" mean in this how control connections output?

- A. Control connection is down
- B. Control connection is connected
- C. Control connection attempt is in progress
- D. Control connection is up

**Answer:** C

#### NEW QUESTION 165

An engineer is configuring a WAN Edge router for DIA based on matching QoS parameters. Which two actions accomplish this task? (Choose two.)

- A. Apply a QoS map policy.
- B. Configure a control policy.
- C. Configure a centralized data policy.
- D. Configure NAT on the transport interface.
- E. Apply a data policy on WAN interface.

**Answer:** CD

#### Explanation:

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

#### NEW QUESTION 170

Which hardware component is involved in the Cisco SD-WAN authentication process for ISR platforms?

- A. TPMD
- B. ZTP
- C. TPC
- D. SUDI

**Answer:** D

#### NEW QUESTION 175

Which third-party Enterprise CA server must be used (or a cloud-based vSmart controller)?

- A. RootCert
- B. Microsoft
- C. RADIUS
- D. VeriSign

**Answer:** A

#### NEW QUESTION 180

In Cisco SD-WAN, what protocol is used for control connections between SD-WAN devices?

- A. DTLS
- B. OMP
- C. BGP
- D. OSPF

**Answer:** A

#### Explanation:

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

#### NEW QUESTION 181

In a Cisco SD-WAN network, which component is responsible for distributing route and policy information via the OMP?

- A. vManage
- B. vSmart Controller
- C. vBond Orchestrator
- D. WAN Edge Router

**Answer:** B

#### Explanation:

The Cisco vSmart Controller maintains a centralized route table that stores the route information, called OMP routes, that it learns from the vEdge routers and from any other Cisco vSmart Controllers in the Cisco SD-WAN overlay network. Based on the configured policy, the Cisco vSmart Controller shares this route information with the Cisco vEdge network devices in the network so that they can communicate with each other.

#### NEW QUESTION 182

An administrator needs to configure SD-WAN to divert traffic from the company's private network to an ISP network. What action should be taken to accomplish this goal?

- A. configure the control policy
- B. configure the data policy
- C. configure the data security policy
- D. configure the application aware policy

**Answer:** B

#### Explanation:

Data policy influences the flow of data traffic traversing the network

#### NEW QUESTION 184

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 186**

Which protocol is configured on tunnels by default to detect loss, latency, jitter, and path failures in Cisco SD-WAN?

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

**Answer: B**

**NEW QUESTION 190**

WAN Edge routers are configured manually to use UDP port offset to use nondefault offset values when IPsec tunnels are created. What is the offset range?

- A. 1-19
- B. 0-18
- C. 0-19
- D. 1-18

**Answer: C**

**NEW QUESTION 192**

Which alarm setting is configured to monitor serious events that affect but do not shut down, the operation of a network function?

- A. Minor
- B. Major
- C. Medium
- D. Critical

**Answer: B**

**NEW QUESTION 194**

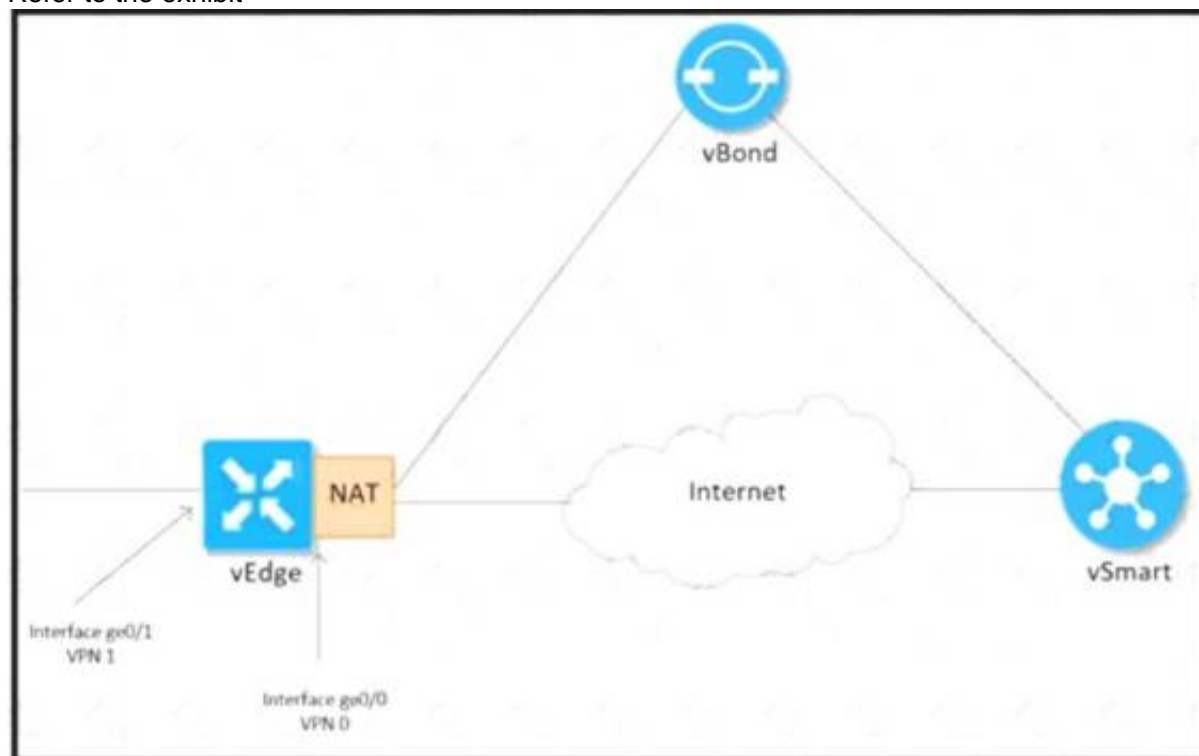
On which device is a service FW address configured to Insert firewall service at the hub?

- A. vEdge at the branch
- B. vSmart at the hub
- C. vEdge at the hub
- D. vSmart at the branch

**Answer: C**

**NEW QUESTION 195**

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

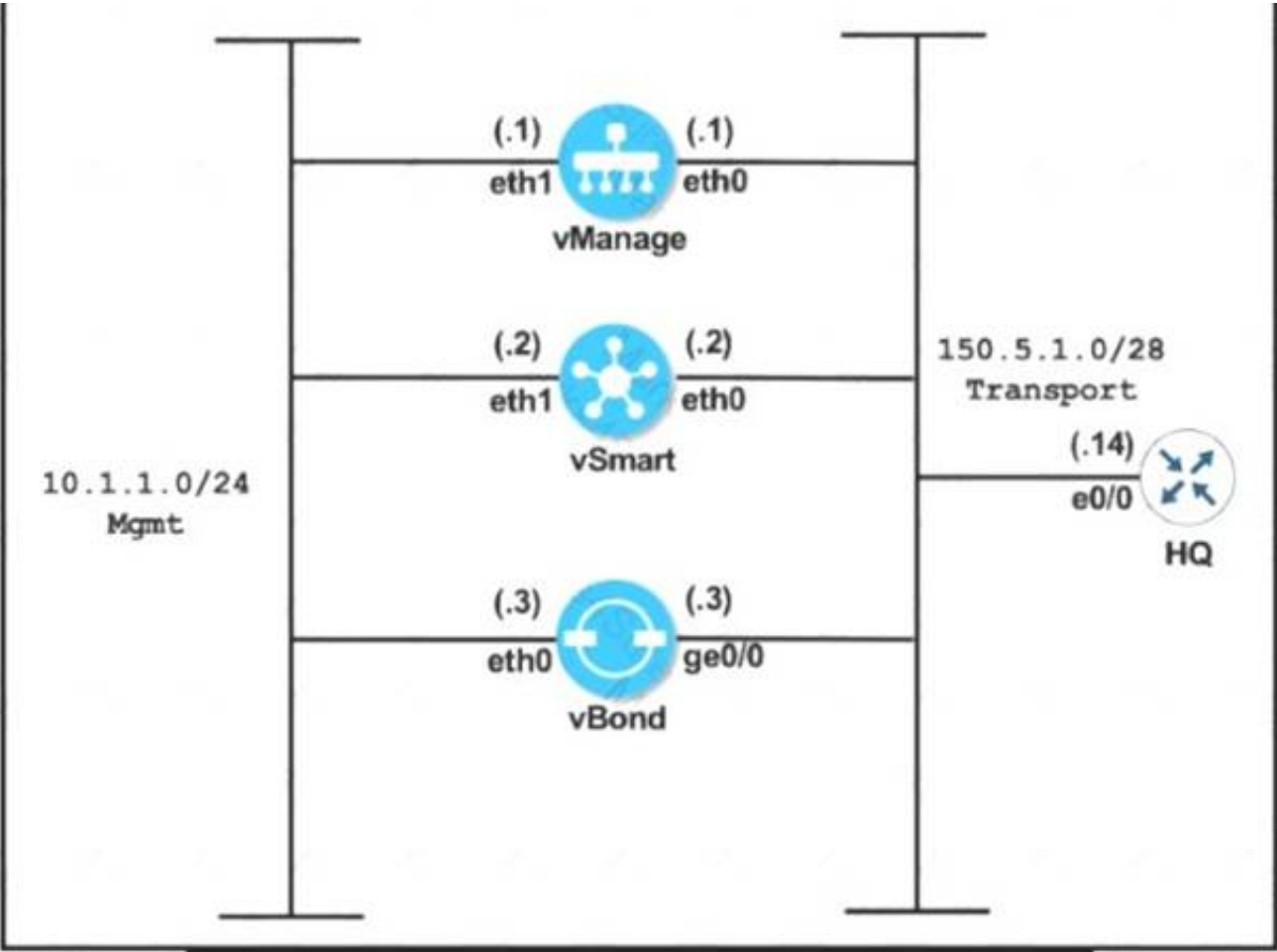
vpn 0
...
interface ge0/1
...
  ip nat
  !
  no shutdown
...
vpn 1
...
  ip route 0.0.0.0/0 vpn 0
```

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

Answer: C

NEW QUESTION 199

Refer to the exhibit.



<pre> 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 </pre>	<pre> 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 </pre>
<pre> 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 </pre>	

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 203**

The network administrator is configuring a QoS scheduling policy on traffic received from transport side tunnels on WAN Edge 5000 routers at location 406141498. Which command must be configured on these devices?

- A. cloud-qos
- B. service qos
- C. cloud-mis qos
- D. mis qos

**Answer:** A

**NEW QUESTION 204**

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 208**

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 213**

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 214**

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 215

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 219

In a customer retail network with multiple data centers, what does the network administrator use to create a regional hub topology?

- A. control policy on vManage
- B. control policy on vSmart
- C. data policy on vSmart
- D. app route policy on vSmart

**Answer:** A

#### NEW QUESTION 222

An engineer wants to track tunnel characteristics within an SLA-based policy for convergence. Which policy configuration will achieve this goal?

- A. App-route policy
- B. VPN membership policy
- C. Control policy
- D. Data policy

**Answer:** A

**Explanation:**

An application-aware routing policy matches applications with an SLA, that is, with the data plane tunnel performance characteristics that are necessary to transmit the applications' data traffic. The primary purpose of application-aware routing policy is to optimize the path for data traffic being transmitted by Cisco SD-WAN devices.

#### NEW QUESTION 226

An engineer is troubleshooting a vEdge router and identifies a "DCONFALL – DTLS connection failure" message. What is the problem?

- A. certificate mismatch
- B. organization mismatch
- C. memory issue
- D. connectivity issue

**Answer:** D

**Explanation:**

<https://community.cisco.com/t5/networking-documents/sd-wan-routers-troubleshoot-control-connections/ta-p/38>

#### NEW QUESTION 230

Refer to exhibit.

PEER	PEER	PEER	PEER	SITE	DOMAIN	LOCAL	REMOTE	REPEAT	REMOTE
INSTANCE	TYPE	PRIVATE	PROTOCOL	SYSTEM IP	PUBLIC	PORT	PUBLIC IP	PORT	REMOTE
COLOR	STATE	EXPOS	ERRORS	COUNT	DOWNTIME				
0	vmond	dtls	0.0.0.0	0	0	192.168.0.231	12346	192.168.0.231	12346
E_down	CTRLER	NOERR	0	2019-06-01T19:04:32+0200					

An engineer is troubleshooting tear down of control connections even though a valid Certificate Serial Number is entered Which two actions resolve the Issue? (Choose two)

- A. Enter a valid serial number on the controllers for a given device
- B. Remove the duplicate IP in the network.
- C. Enter a valid product ID (model) on the PNP portal
- D. Match the serial number file between the controllers
- E. Restore network reachability for the controller

**Answer:** CD

**Explanation:**

<https://community.cisco.com/t5/networking-documents/sd-wan-routers-troubleshoot-control-connections/ta-p/38>

#### NEW QUESTION 233

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