

Cisco

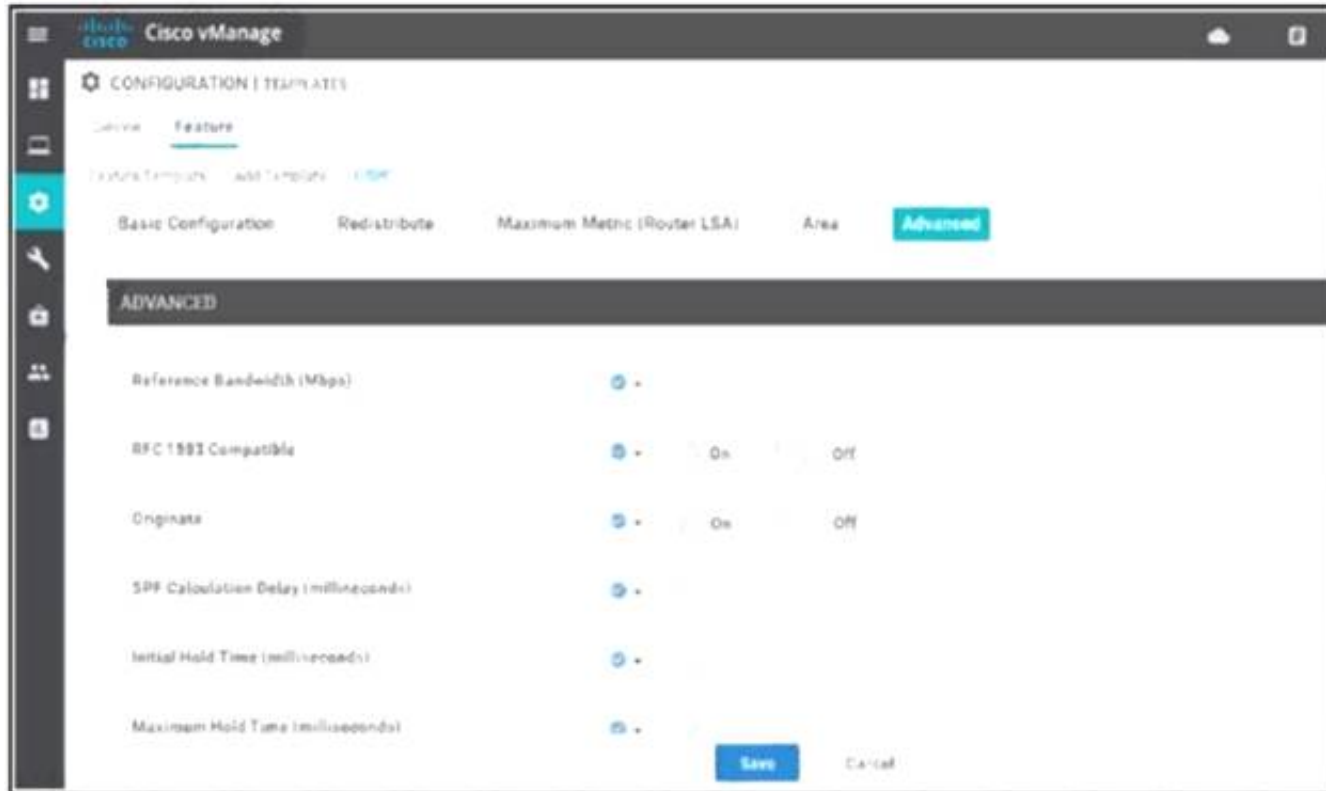
Exam Questions 300-415

Implementing Cisco SD-WAN Solutions (ENSDWI)



NEW QUESTION 1

Refer to the exhibit.



A network administrator is configuring OSPF advanced configuration parameters from a template using the vManager GUI for a branch WAN Edge router to calculate the cost of summary routes to an ASBR. Which action achieves this configuration?

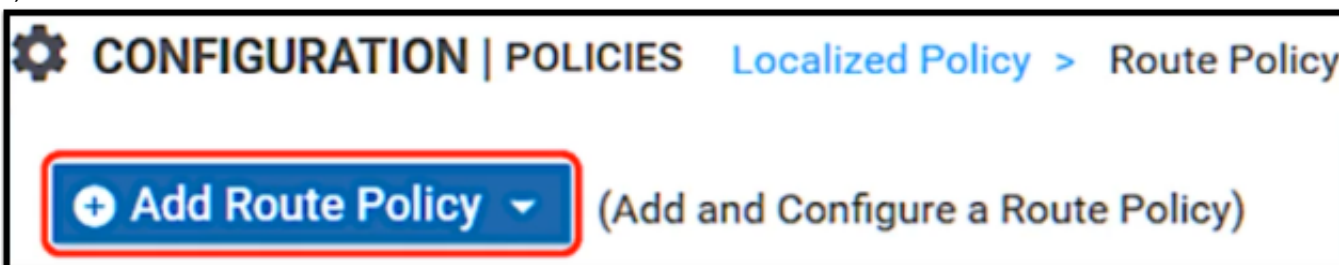
- A. Disable RFC 1583 Compatible
- B. Enable Originate
- C. Enable RFC 1M3 Compatible
- D. Disable Original

Answer: C

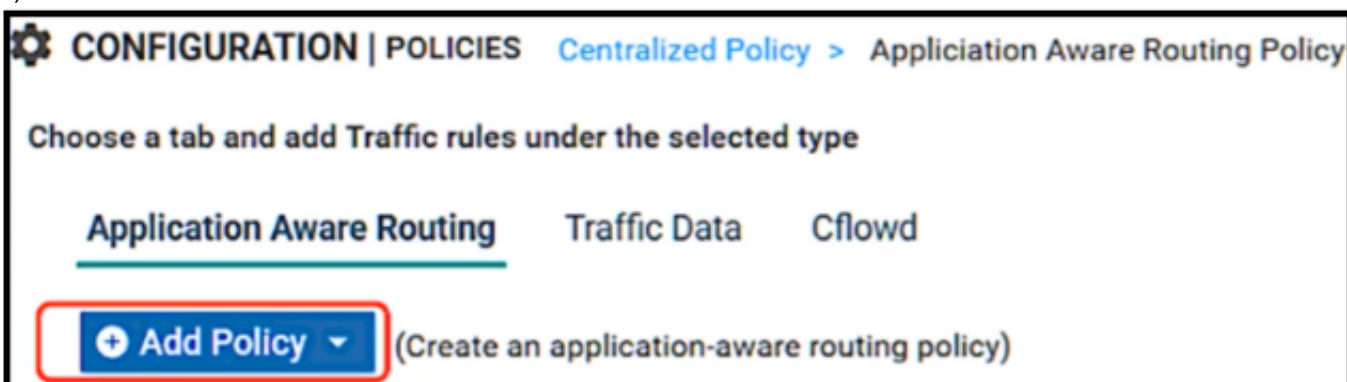
NEW QUESTION 2

An engineer must configure the SD-WAN Edge router to identify DSCP 26 traffic coming from the router's local site and then change the DSCP value to DSCP 18 before sending it over to the SD-WAN fabric. What are the two ways to create the required configuration? (Choose two).

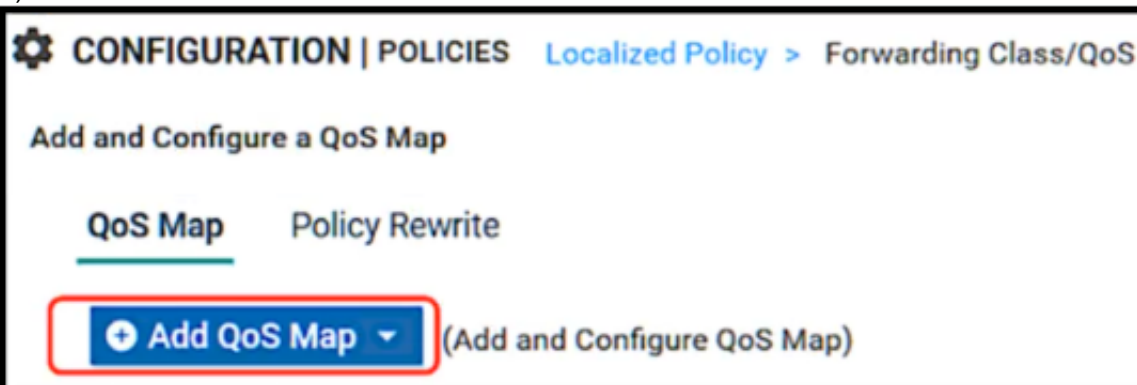
A)



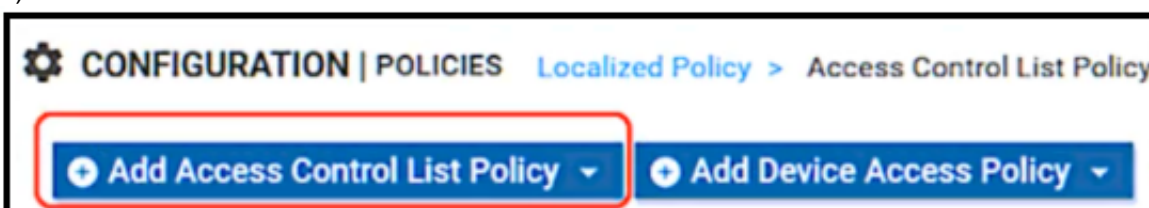
B)



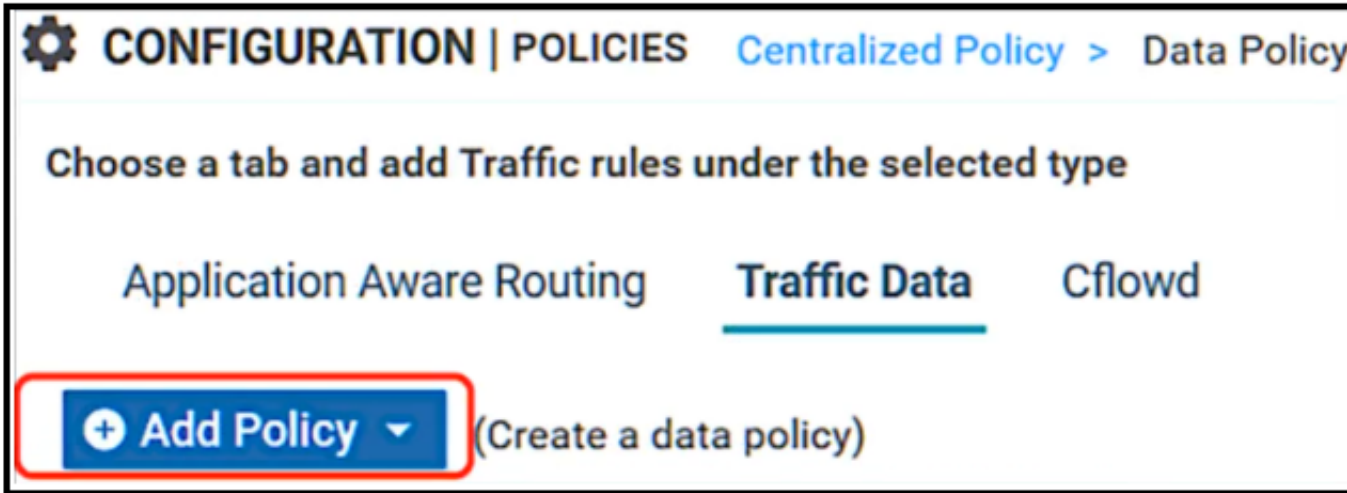
C)



D)



E)



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

Answer: AC

NEW QUESTION 3

Refer to the exhibit.

```
vpn 0
interface ge0/0
ip address 10.1.15.15/24
tunnel-interface
color lte
allow-service dhcp
allow-service dns
allow-service icmp

no allow-service sshd
no allow-service ntp
no allow-service stun
!
no shutdown
shaping-rate
```

Which shaping-rate does the engineer use to shape traffic at 9 Mbps?

- A. 9
- B. 9000
- C. 90000
- D. 9000000

Answer: B

Explanation:

<https://www.cisco.com/c/en/us/td/docs/routers/sdwan/command/sdwan-cr-book/config-cmd.html#wp421715213>

NEW QUESTION 4

Which component of the Cisco SD-WAN secure extensible network provides a single pane of glass approach to network monitoring and configuration?

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

Answer: C

Explanation:

Cisco vManage provides a single-pane-of-glass management to manage all controller components and both enterprise and extended enterprise WAN edge devices. The comprehensive vManage GUI has dashboard, monitor, configuration, tools, maintenance, administration, and analytics as the top-level menus.

NEW QUESTION 5

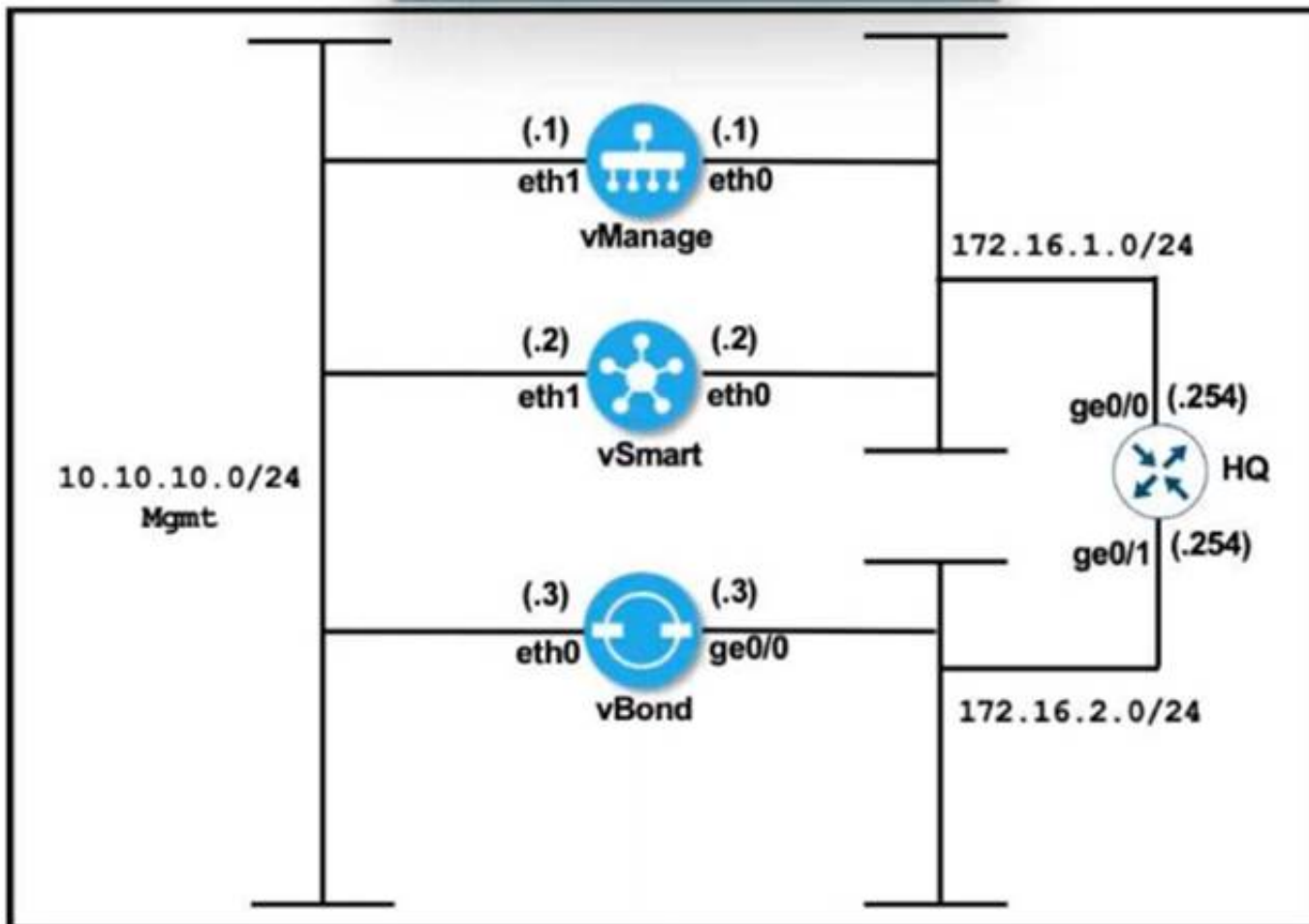
What is the role of the Session Traversal Utilities for NAT server provided by the vBond orchestrator?

- A. It facilitates SD-WAN toners and controllers to discover their own mapped or translated IP addresses and port numbers
- B. It prevents SD-WAN Edge routers from forming sessions with public transports among different service providers
- C. It facilitates SD-WAN Edge routers to stay behind a NAT-enabled firewall while the transport addresses of the SD-WAN controller are unNAT-ed
- D. It allows WAN Edge routers to form sessions among MPLS TLOCs using only public IP addresses

Answer: C

NEW QUESTION 6

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 172.16.2.1 organization-name Cisco.com ! vpn 0 interface eth1 ip address 172.16.1.1/24 no shut tunnel-interface allow-service all ip route 0.0.0.0/0 172.16.1.254 ! commit </pre>	<pre> system system-ip 10.10.10.103 host-name vBond site-id 1 clock timezone Europe/Rome vbond 172.16.2.1 local organization-name Cisco.com ! vpn 0 interface ge0/0 ip address 172.16.2.1/24 no shut tunnel-interface encapsulation ipsec allow-service all ip route 0.0.0.0/0 172.16.1.254 ! commit </pre>

vManage and vBond have an issue establishing a connection to each other. Which configuration resolves the issue?

- A. Configure the timezone on vBond to Europe/London.
- B. Configure the encapsulation ipsec command under the tunnel interface on vManage.
- C. Configure a default route on vBond pointing to 172.16.2.254.
- D. Remove the encapsulation ipsec command under the tunnel interface of vBond.

Answer: C

NEW QUESTION 7

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 8

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 9

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 10

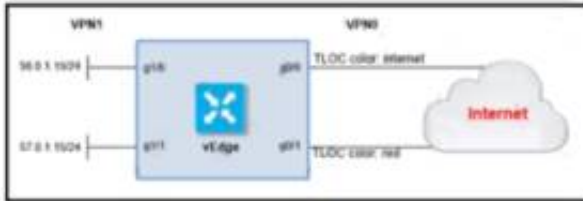
When software is upgraded on a vManage NMS, which two image-adding options store images in a local vManage software repository? (Choose two.)

- 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 10

Refer to the exhibit.



The ge0/0 interface connects to a 30-MB link. A network administrator wants to always have 10 MB available for high priority traffic. When lower-priority traffic bursts exceed 20 MB. Traffic should be redirected to the second WAN interface ge0/1. Which set of configurations accomplishes this task?

A)

```
policy
  policer bursty-traffic
    rate 10000
    burst 20000
    exceed drop
  access-list policer-bursty-traffic
    sequence 10
    match
      source-ip 56.0.1.0/24
    action accept
    policer bursty-traffic
  default-action accept
```

B)

```
policy
  policer bursty-traffic
    rate 100000
    burst 20000
    exceed continue
  access-list policer-bursty-traffic
    sequence 10
    match
      source-ip 56.0.1.0/24
    action accept
    policer bursty-traffic
  default-action accept
```

C)

```
policy
  policer bursty-traffic
    rate 1000000
    burst 20000
    exceed remark
  access-list policer-bursty-traffic
    sequence 10
    match
      source-ip 56.0.1.0/24
    action accept
    policer bursty-traffic
  default-action accept
```

D)

```

policy
  policer bursty-traffic
    rate 10
    burst 20
    exceed remark
  access-list policer-bursty-traffic
    sequence 10
    match
      source-ip 56.0.1.0/24
    action accept
  policer bursty-traffic
  default-action accept
  
```

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

Answer: C

Explanation:

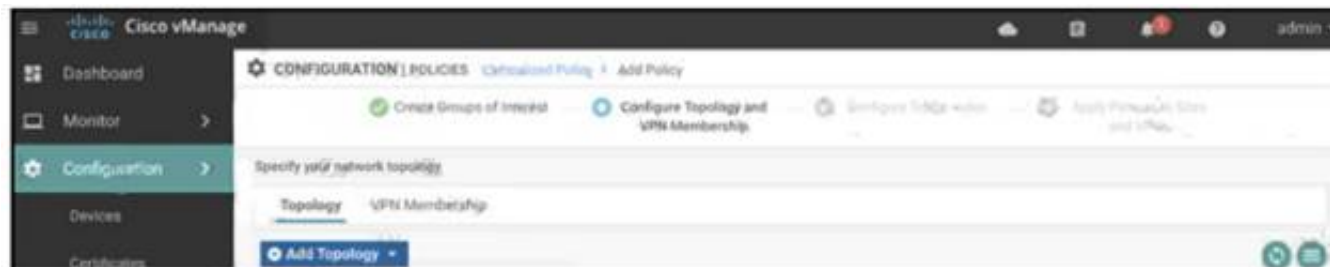
```

policy
  policer bursty-traffic
    rate 1000000
    burst 20000
    exceed remark
  access-list policer-bursty-traffic
    sequence 10
    match
      source-ip 56.0.1.0/24
    action accept
  policer bursty-traffic
  default-action accept
  
```

<https://www.cisco.com/c/dam/en/us/td/docs/routers/sdwan/configuration/config-18-4.pdf#page=546>

NEW QUESTION 15

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 20

What are the default username and password for vSmart Controller when it is installed on a VMware ESXi hypervisor'?

- A. username Cisco password admin
- B. username admin password Cisco
- C. username Cisco password Cisco
- D. username admin password admin

Answer: D

NEW QUESTION 22

Which platform cannot provide IPS and URL filtering capabilities?

- A. Cisco CSR 1000V

- B. Cisco ISR 1000
- C. Cisco Catalyst 8300
- D. Cisco ISR 4000

Answer: B

NEW QUESTION 27

Refer to the exhibit

PEER TYPE	PEER PROTOCOL	PEER SYSTEM	SITE IP	DOMAIN ID	PEER ID	PRIVATE IP	PRIVATE PORT	PEER PUBLIC IP	PUBLIC PORT	LOCAL COLOR	STATE	LOCAL ERROR	REMOTE ERROR	REPEAT COUNT
vbond	dtls	-	0	0	209.165.200.230	12346	209.165.200.230	12346	biz-internet	tear_down	CTORGNNMIS	NOERR	14	
vbond	dtls	-	0	0	209.165.201.137	12346	209.165.201.137	12346	biz-internet	tear_down	CTORGNNMIS	NOERR	13	

An engineer is getting a CTORGNNMIS error on a controller connection Which action resolves this issue?

- A. Configure a valid serial number on the WAN Edge
- B. Configure a valid organization name
- C. Configure a valid certificate on vSMART
- D. Configure a valid product ID

Answer: B

NEW QUESTION 32

Refer to the exhibit.

```
LAB-ROUTER#show ip route vrf 100
Gateway of last resort is 10.1.9.2 to network 0.0.0.0

m* 0.0.0.0/0 [251/0] via 10.1.9.2, 06:10:53
    [251/0] via 10.1.9.3, 06:10:53
O   10.80.6.0/24
    [110/300] via 172.19.75.78, 20:35:33, GigabitEthernet0/0/2.10
    [110/300] via 172.19.75.66, 1w0d, GigabitEthernet0/0/1.11
O   10.80.56.0/24
    [110/300] via 172.19.75.78, 20:35:33, GigabitEthernet0/0/2.10
    [110/300] via 172.19.75.66, 1w0d, GigabitEthernet0/0/1.11
```

The network administrator has configured a centralized topology policy that results in the displayed routing table at a branch office. Which two configurations are verified by the output? [Choose two.]

- A. The routing table is for the transport VPN.
- B. The default route is learned via OMP.
- C. This routing table is from a cEdge router.
- D. The default route is configured locally.
- E. The configured policy is adding a route tag of 300 to learned routes.

Answer: BC

NEW QUESTION 36

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 41

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 42

A network administrator configures SNMPV3 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 44

Which two requirements must be met for DNS inspection when integrating with cisco umbrella? (Choose two)

- A. Upload the WAN Edge serial allow list to the Umbrella portal.
- B. Attach security policy to the device template.
- C. Configure the Umbrella token on the vManage
- D. Create and attach a System feature template with the Umbrella registration credentials.
- E. Register and configure the vManage public IP and serial number in the Umbrella portal.

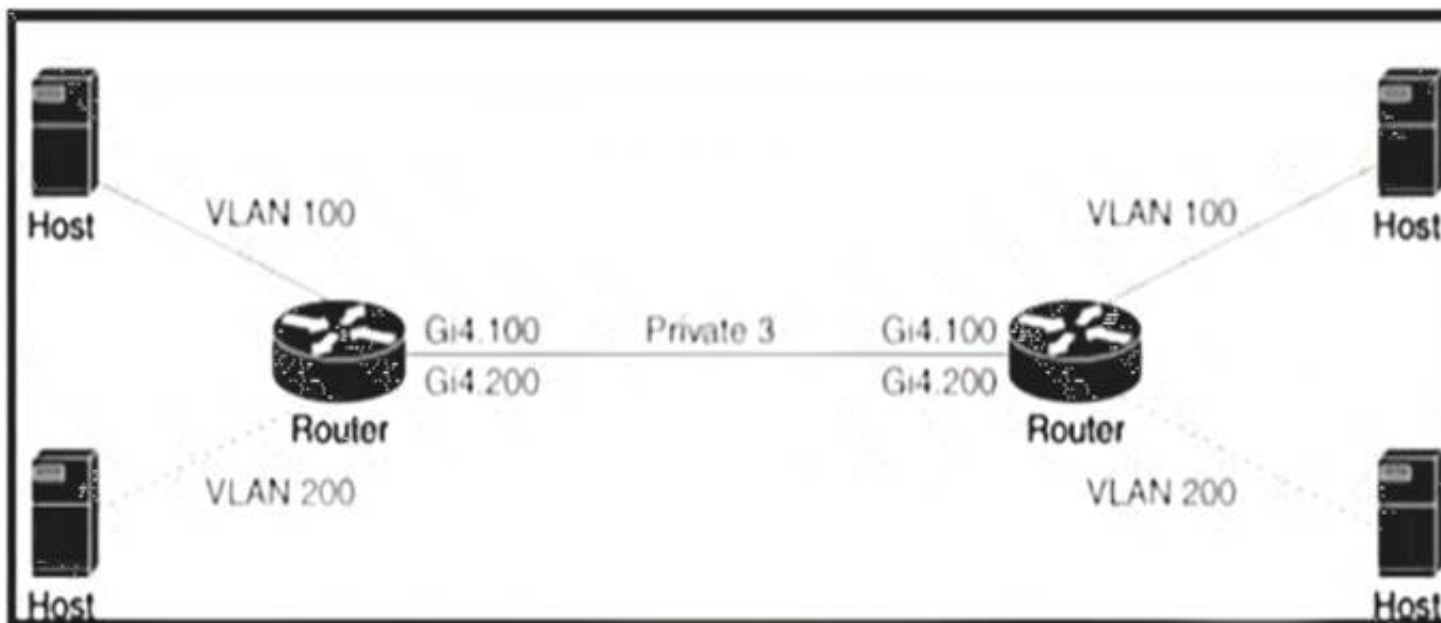
Answer: BC

Explanation:

<https://www.connection.com/~media/pdfs/brands/c/cisco/security/cnxn-cisco-sd-wan-and-umbrella.pdf?la=en>

NEW QUESTION 45

Refer to the exhibit



An engineer is configuring a QoS policy to shape traffic for VLAN 100 on a subinterface Which policy configuration accomplishes the task?

A)

```

policy-map shape_GigabitEthernet4.100
  class class-default
    service-policy xyz_QoS-model
    shape average 100000000
!
interface GigabitEthernet4.100
  encapsulation dot1Q 200
  service-policy output shape_GigabitEthernet4.100
  
```

B)

```

policy-map shape_GigabitEthernet4.100
  class class Queue0
    service-policy xyz_QoS-model
    shape average 100000000
!
interface GigabitEthernet4.100
  encapsulation dot1Q 200
  service-policy output shape_GigabitEthernet4.100
  
```

C)

```

policy-map shape_GigabitEthernet4.200
  class class-default
    service-policy xyz_QoS-model
    shape average 100000000
!
interface GigabitEthernet4.100
  encapsulation dot1Q 100
  service-policy output shape_GigabitEthernet4.200
  
```

D)

```

policy-map shape_GigabitEthernet4.200
  class class Queue0
    service-policy xyz_QoS-model
    shape average 100000000
!
interface GigabitEthernet4.100
  encapsulation dot1Q 100
  service-policy output shape_GigabitEthernet4.100
  
```

- A. Option A
- B. Option B

- C. Option C
- D. Option D

Answer: C

NEW QUESTION 50

An engineer configures an application-aware routing policy for a group of sites. The locations depend on public and private transports. The policy does not work as expected when one of the transports does not perform properly. This policy is configured:

```

policy
sla-class BULK_DATA
  loss 20
  latency 300
  jitter 100
!
sla-class TRANSACTIONAL_DATA
  loss 15
  latency 50
  jitter 100
!
sla-class REALTIME
  loss 20
  latency 100
  jitter 30
!
app-route-policy VPN-10_MPLS_AND_INET_SITES
vpn-list VPN-10
sequence 1
  match
    dscp 46
  !
  action
    backup-sla-preferred-color biz-internet
    sla-class REALTIME preferred-color private1
  !
!
sequence 11
  match
    dscp 34
  !
  action
    backup-sla-preferred-color biz-internet
    sla-class TRANSACTIONAL_DATA preferred-color private1
  !
!

```

which configuration completes the policy so that it works for all locations?

A)

```

sla-class TRANSACTIONAL_DATA
  loss 5
  latency 50
  jitter 100
!
sla-class REALTIME
  loss 2
  latency 100
  jitter 30
!

```

B)

```

sla-class TRANSACTIONAL_DATA
  loss 2
  latency 100
  jitter 30
!
sla-class REALTIME
  loss 15
  latency 100
  jitter 100
!

```

C)

```

sla-class BULK_DATA
  loss 10
  latency 300
  jitter 100
!
sla-class REALTIME
  loss 2
  latency 100
  jitter 30
!

```

D)

```
sla-class BULK_DATA
loss 15
latency 100
jitter 100
!
sla-class TRANSACTIONAL_DATA
loss 10
latency 300
jitter 100
!
```

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

Answer: A

NEW QUESTION 51

What are the two impacts of losing vManage connectivity to fabric in the Cisco SD-WAN network? (Choose two)

- A. Policy changes propagation stops
- B. Statistics collection stops
- C. BFD peering between WAN Edge devices are unestablished
- D. Creation of templates is impossible
- E. IPsec tunnels tear down for WAN Edge devices.

Answer: AB

NEW QUESTION 52

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 56

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 59

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

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

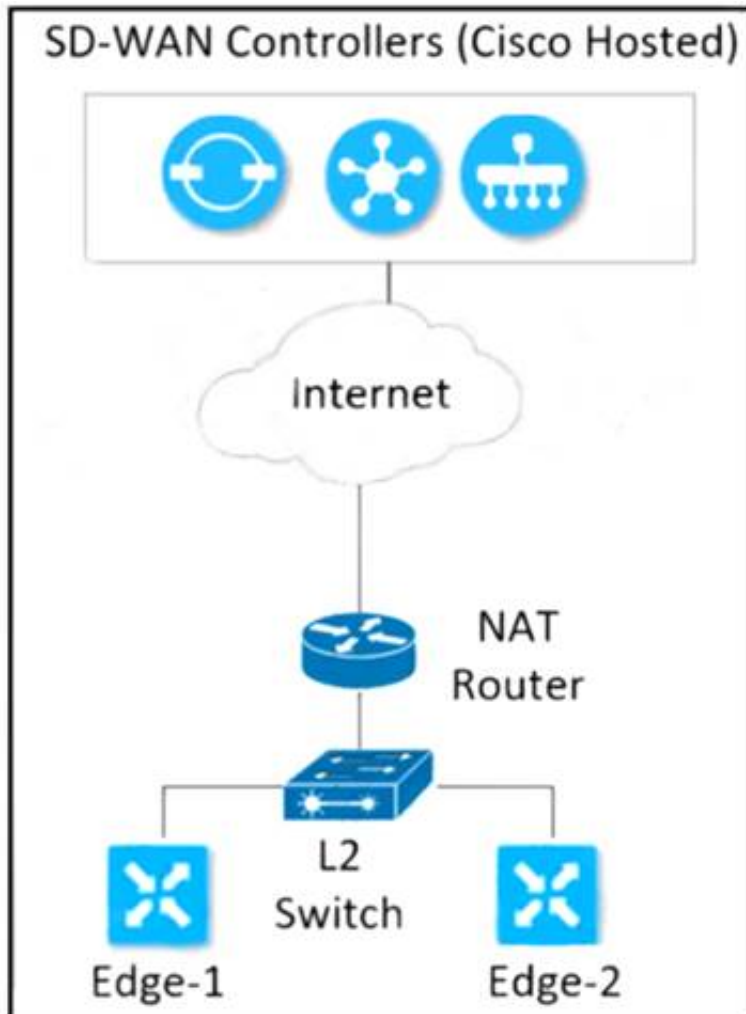
Answer: C

Explanation:

The WAN Edge routers form a permanent Datagram Transport Layer Security (DTLS) or Transport Layer Security (TLS) control connection to the vSmart controllers and connect to both of the vSmart controllers over each transport. The routers also form a permanent DTLS or TLS control connection to the vManage server, but over just one of the transports. The WAN Edge routers securely communicate to other WAN Edge routers using IPsec tunnels over each transport. The Bidirectional Forwarding Detection (BFD) protocol is enabled by default and runs

NEW QUESTION 64

Refer to the exhibit



Which configuration must the engineer use to form underlay connectivity for the Cisco SD-WAN network?

A)

```

R1
vpn 512
interface eth0
ip address 10.0.0.21/24
no shutdown
!
ip route 0.0.0.0/0 10.0.0.254
    
```

```

R2
vpn 512
interface eth0
ip address 10.0.0.2/24
no shutdown
!
ip route 0.0.0.0/0 10.0.0.254
    
```

B)

```

R1
vpn 10
interface ge0/2
ip address 10.10.10.9/29
no shutdown
!
ip route 0.0.0.0/0 10.10.10.11
    
```

```

R2
vpn 10
interface ge0/2
ip address 10.10.10.10/29
no shutdown
!
ip route 0.0.0.0/0 10.10.10.11
    
```

C)


```
R1
vpn 0
interface 10ge0/0
ip address 10.50.0.2/29
no shutdown
!
ip route 0.0.0.0/0 10.50.0.3
```

```
R2
vpn 0
interface 10ge0/0
ip address 10.50.0.1/29
no shutdown
!
ip route 0.0.0.0/0 10.50.0.3
```

D)

```
R1
vpn 0
interface ge0/0
ip address 10.50.0.2/30
tunnel-interface
!
ip route 0.0.0.0/0 10.50.0.4
```

```
R2
vpn 0
interface ge0/0
ip address 10.50.0.3/30
tunnel-interface
!
ip route 0.0.0.0/0 10.50.0.4
```

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

Answer: C

NEW QUESTION 69

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 70

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 72

An engineer is configuring a shaping rate of 1 Mbps on the WAN link of a WAN Edge router Which configuration accomplishes this task'?

- ☐ vpn vpn-id
interface interface-name
shaping-rate 1000000
- ☐ vpn vpn-id
interface interface-name
shaping-rate 1000
- ☐ interface interface-name
vpn vpn-id
shaping-rate 1000000
- ☐ interface interface-name
vpn vpn-id
shaping-rate 1000

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

Answer: B

NEW QUESTION 76

What are the two advantages of deploying cloud-based Cisco SD-WAN controllers? (Choose two.)

- A. centralized control and data plane
- B. distributed authentication policies
- C. management of SLA
- D. infrastructure as a service
- E. centralized raid storage of data

Answer: CD

NEW QUESTION 78

Which platform is a Cisco SD-WAN virtual platform?

- A. Cisco ISR 4000
- B. Cisco Nexus 1000V
- C. Cisco CSR 1000V
- D. Cisco ASR 1000

Answer: C

NEW QUESTION 82

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?

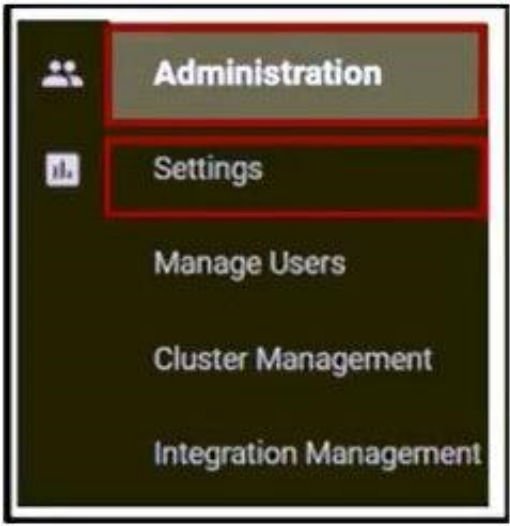
A)



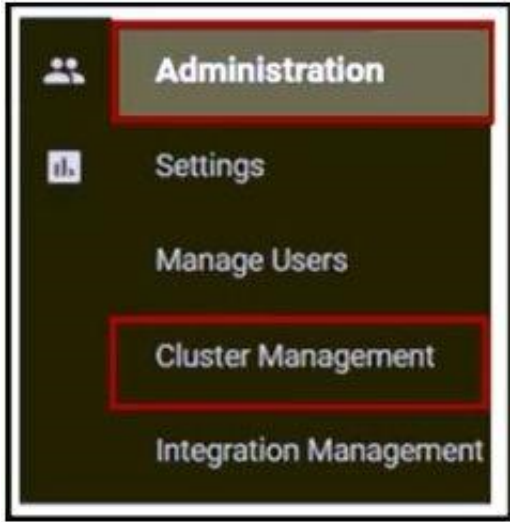
B)



C)



D)



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

Answer: B

NEW QUESTION 84

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 89

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 91

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 95

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 99

Which two metrics must a cloud Edge router use to pick the optimal path for a SaaS application reachable via a gateway site? (Choose two.)

- A. HTTP loss and latency metrics to the SaaS application
- B. ICMP loss and latency metrics to the SaaS application
- C. BFD loss and latency metrics to the gateway site
- D. BFD loss and latency metrics to the SaaS application
- E. HTTP loss and latency metrics to the gateway site

Answer: AC

Explanation:

-The gateway vEdge uses HTTP to obtain SaaS application performance information - The client vEdge will use BFD over the IPSec tunnel to the gateway site to obtain client>gateway path performance information

<https://www.cisco.com/c/dam/en/us/td/docs/solutions/CVD/SDWAN/CVD-SD-WAN-Cloud-onRamp-for-SaaS>

NEW QUESTION 100

An engineer modifies a data policy for DIA in VPN 67. The location has two Internet-bound circuits. Only the web browsing traffic must be admitted for DIA. without further discrimination about which transport to use.

Here is the existing data policy configuration:

```
data-policy DIA
  vpn-list VPN-67
  sequence 10
  match
    destination-data-prefix-list INTERNAL-NETWORKS
  !
  !
  default-action drop
```

Which policy configuration sequence meets the requirements?

- ☐ sequence 5
match
destination-port 80 443
destination-ip 0.0.0.0/0
!
action accept
nat use-vpn 0
- ☐ sequence 20
match
destination-port 80 443
source-ip 0.0.0.0/0
!
action accept
set
local-tloc-list
color biz-internet
- ☐ sequence 20
match
destination-port 80 443
destination-ip 0.0.0.0/0
!
action accept
nat use-vpn 0
- ☐ sequence 5
match
destination-port 80 443
source-ip 0.0.0.0/0
!
action accept
set
local-tloc-list
color biz-internet

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

Answer: A

NEW QUESTION 101

Which policy tracks path characteristics such as loss, latency, and jitter in vManage?

- A. VPN
- B. control
- C. app-route
- D. data

Answer: C

Explanation:

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

NEW QUESTION 105

An engineer wants to automate the onboarding process for a WAN Edge router with vManage. Which command will accomplish this?

- A. request vedge-cloud activate chassis-number <chassis-number> serial <serial>
- B. request vedge-cloud activate chassis-number <chassis-number> token <token-number>
- C. request vedge-cloud activate serial <serial> token <token-number>
- D. request vedge-cloud activate chassis-number <chassis-number> organization <organization>

Answer: B

Explanation:

```
vedge#  
vedge# vedge# request vedge-cloud activate chassis-number 19f2059b-5fd1-9027-a665-24c33d223247 token 22ee00b3a0c22d8269725d1cb495b718
```

NEW QUESTION 110

Which feature delivers traffic to the Cisco Umbrella SIG cloud from a Cisco SD-WAN domain?

- A. L2TPv3 tunnel
- B. IPsec tunnel
- C. local umbrella agent
- D. source NAT

Answer: B

NEW QUESTION 114

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 115

Refer to the exhibit



The network team must configure application-aware routing for the Service VPN 50.0.0.0/16

The SLA must prefer MPLS for video traffic but the remaining traffic must use a public network What must be defined other than applications before the application-aware policy is create?

- A. SLA Class, Site VP
- B. Prefix
- C. Data Prefix, Site VPN TLOC
- D. Application, SLA VP
- E. Prefix
- F. Color, SLA Class, Sue, VPN

Answer: A

NEW QUESTION 119

Which protocol advertises WAN edge routes on the service side?

- A. EIGRP

- B. OSPF
- C. BGP
- D. ISIS

Answer: B

NEW QUESTION 123

Refer to the exhibit.

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

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 127

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 132

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 136

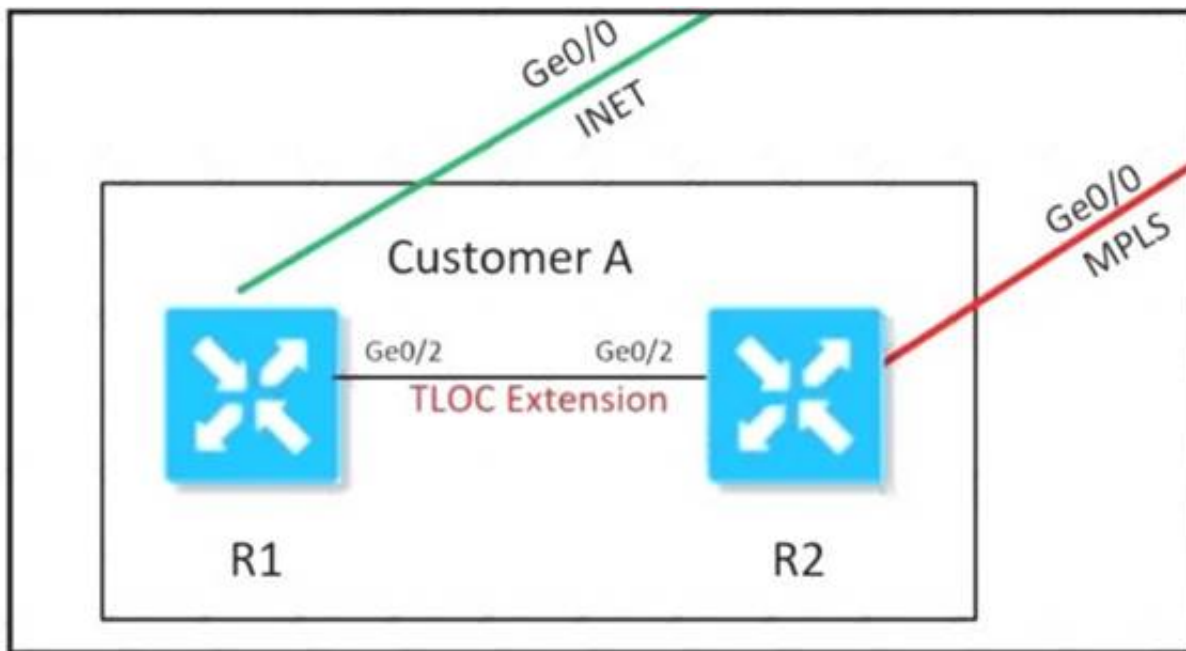
What is the behaviour of vBond orchestrator?

- A. It maintains vSmart and WAN Edge routers secure connectivity state
- B. it builds permanent connections with vSmart controllers
- C. it updates vSmart of WAN Edge routers behind NAT devices using OMP.
- D. It builds permanent connections with WAN Edge routers

Answer: A

NEW QUESTION 139

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
```

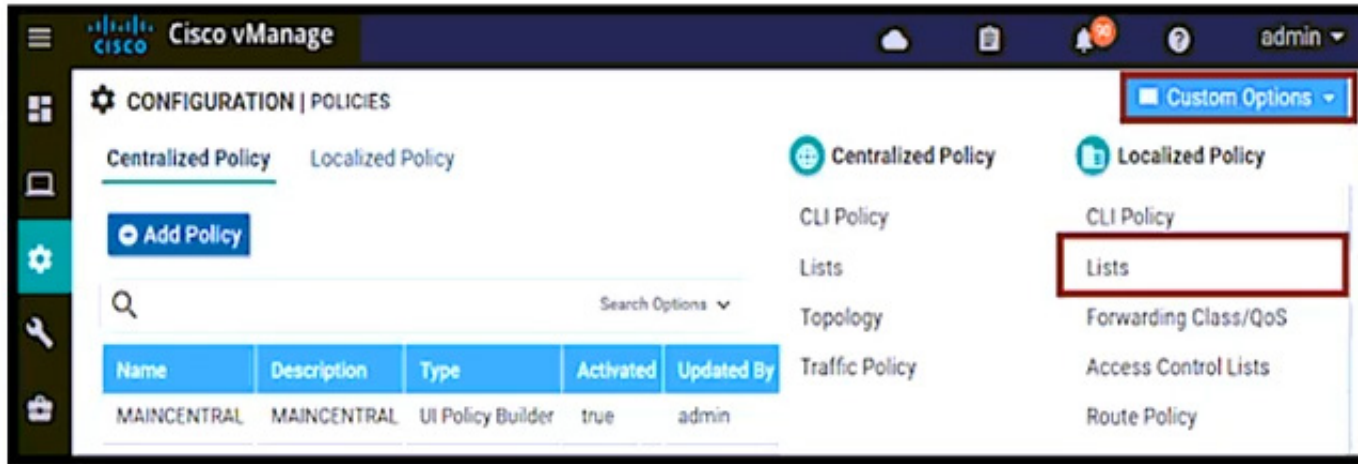
- A. Option A
- B. Option B
- C. Option C
- D. Option D

Answer: D

NEW QUESTION 141

Which configuration defines the groups of interest before creation of the access list or route map?

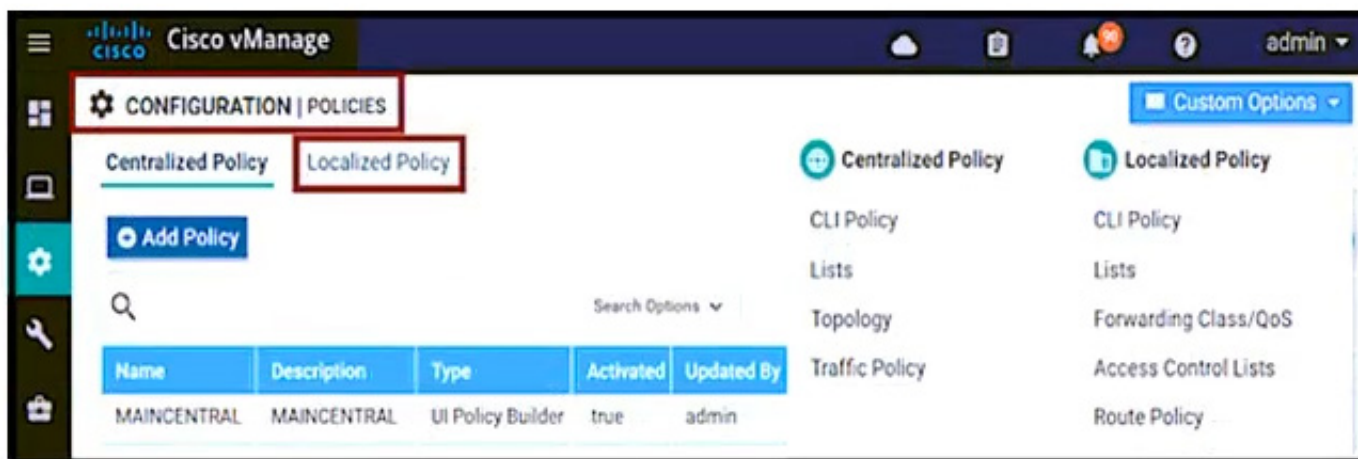
A)



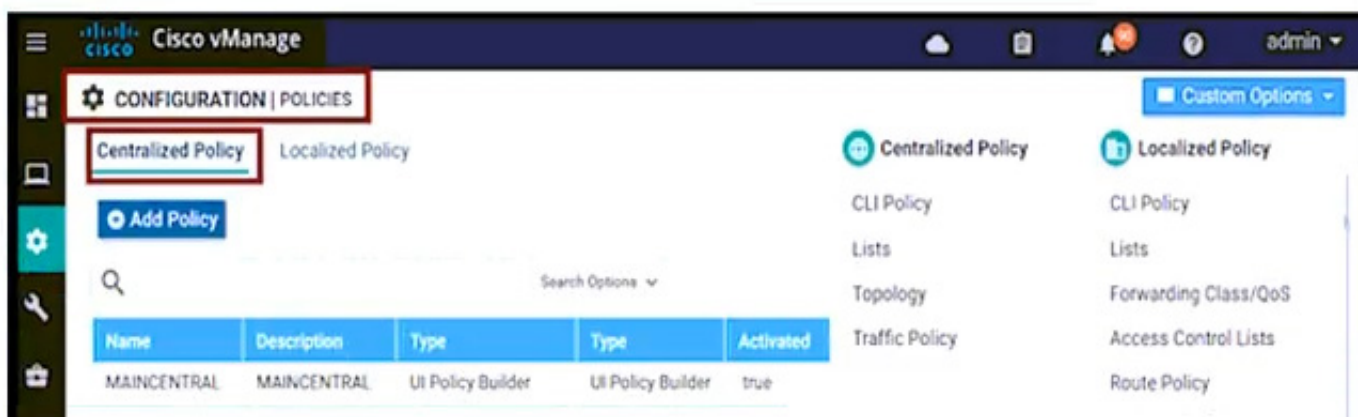
B)



C)



D.



A. Option A

B. Option B

C. Option C

D. Option D

Answer: A

NEW QUESTION 142

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 145

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 OMP
- 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 146

An engineer is configuring the branch office with a 172.16.0.0/16 subnet to use DIA for Internet traffic. All other traffic must flow to the central site or branches using the MPLS circuit Which configuration meets the requirement?

A)

```
data-policy SDW_DIA
vpn-list VPN172
sequence 1
match
source-ip 172.16.0.0/16
destination-ip 172.16.0.0/16
!
sequence 2
match
source-data-prefix-list DIA
action accept
nat use-vpn 0
!
default-action accept
```

B)

```
data-policy SDW_DIA
vpn-list VPN172
sequence 1
match
source-ip 172.16.0.0/16
action accept
!
sequence 2
match
source-data-prefix-list DIA
action accept
nat use-vpn 0
!
default-action accept
```

C)

```
data-policy SDW_DIA
vpn-list VPN172
sequence 1
match
source-ip 172.16.0.0/16
destination-ip 172.16.0.0/16
action accept
!
sequence 2
match
source-data-prefix-list DIA
action accept
nat use-vpn 0
!
default-action accept
```

D)

```
data-policy SDW_DIA
vpn-list VPN172
sequence 1
match
source-ip 172.16.0.0/16
destination-ip 172.16.0.0/16
!
sequence 2
match
source-data-prefix-list DIA
action accept
!
default-action accept
```

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

Answer: C

NEW QUESTION 151

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

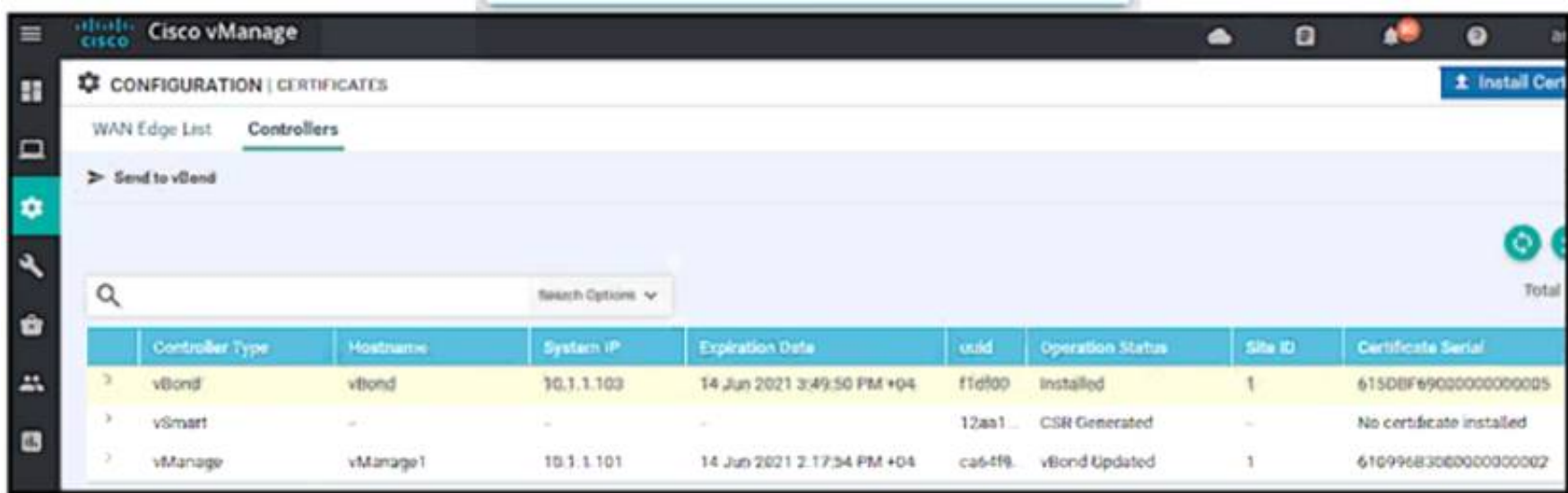
Answer: B

Explanation:

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

NEW QUESTION 153

Refer to the exhibit



	Controller Type	Hostname	System IP	Expiration Date	uuid	Operation Status	Site ID	Certificate Serial
>	vBond	vBond	10.1.1.103	14 Jun 2021 3:49:50 PM +04	f1d500	Installed	1	615DBF69000000000005
>	vSmart	-	-	-	12aa1...	CSR Generated	-	No certificate installed
>	vManage	vManage1	10.1.1.101	14 Jun 2021 2:17:34 PM +04	ca6-4f8...	vBond Updated	1	616996B3060000000002

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 158

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 162

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 163

Refer to the exhibit.

LOCAL	PEER	PEER	PEER				PEER		PEER
INSTANCE	REMOTE	REPEAT	SYSTEM	SITE	DOMAIN	PRIVATE	PRIVATE	PEER	PUBLIC
TYPE	COLOR	STATE	IP	ID	ID	IF	IF	PORT	PORT
REMOTE			ERROR	ERROR	COUNT	DOWNTIME			
0	vsmart	tle	1.1.1.3	100	1	100.1.1.3	23456	100.1.1.3	23456
default		trying	DONFAIL	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

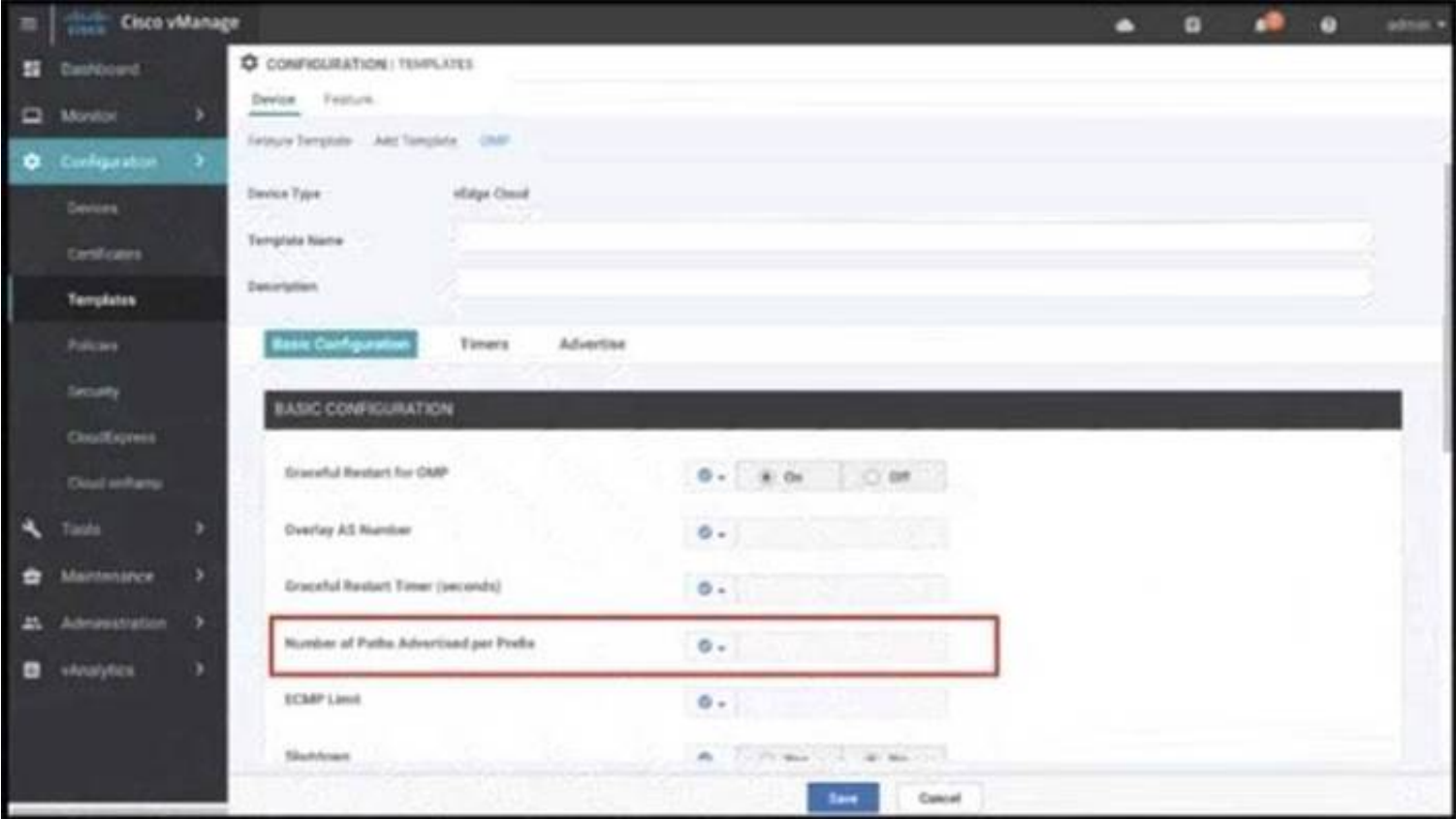
Answer: D

Explanation:

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

NEW QUESTION 165

Refer to the exhibit.



A network administrator is configuring OMP in vManage to advertise all the paths for the same prefix from a site that has two WAN Edge devices Each WAN Edge device is connected to three ISPs and two private MPLS transports. What is the minimum value for 'Number of Paths advertised per Prefix" that should be configured?

- A. 2
- B. 3
- C. 5
- D. 10

Answer: D

NEW QUESTION 166

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 171

How must the application-aware enterprise firewall policies be applied within the same WAN Edge router?

- A. within and between zones
- B. between two VPN tunnels
- C. within zone pair
- D. between two VRFs

Answer: C

NEW QUESTION 172

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 175

Which TCP Optimization feature is used by WAN Edge to prevent unnecessary retransmissions and large initial TCP window sizes to maximize throughput and achieve a better quality?

- A. SEQ
- B. SYN
- C. RTT
- D. SACK

Answer: D

Explanation:

TCP Optimization

The Cisco SD-WAN TCP Optimization feature uses TCP Selective Acknowledgement (SACK) to prevent unnecessary retransmissions and large initial TCP window sizes in order to maximize throughput and achieve a better quality of experience.

NEW QUESTION 178

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 183

An engineer must configure local redundancy on a site. Which configuration accomplish this task?

- A. vpn 0interface interface-name
- B. tloc extension interlace nametloc extension interface interface name
- C. vpn 0tloc extension interface
- D. interface-flameinterface interface-name tloc-extension

Answer: A

NEW QUESTION 185

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 189

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 191

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
  tioc-list dc-preference-west
  tioc 100.100.100.100 color mpis encap ipsec preference 400
  tioc 101.101.101.101 color mpis encap ipsec preference 200

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

B.

```
lists
  tioc-list dc-preference-west
  tioc 100.100.100.100 color mpis encap ipsec preference 200
  tioc 101.101.101.101 color mpis encap ipsec preference 400

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

C.

```
tioc-list dc-preference-east
  tioc 100.100.100.100 color mpis encap ipsec preference 400
  tioc 101.101.101.101 color mpis encap ipsec preference 200
```

D.

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

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

Answer: A

NEW QUESTION 196

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 197

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?

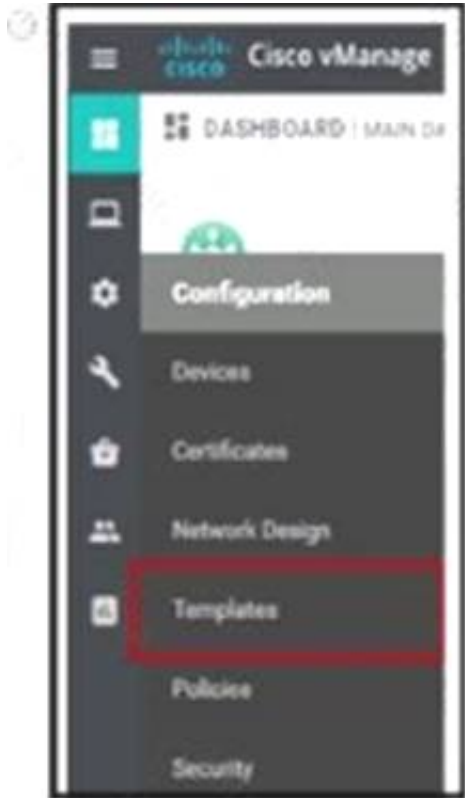
- A. 4vCPU
- B. 16 GB
- C. 4 vCPU
- D. 8 GB
- E. 8vCPU
- F. 16 GB
- G. 2vCPUs.4GB

Answer: B

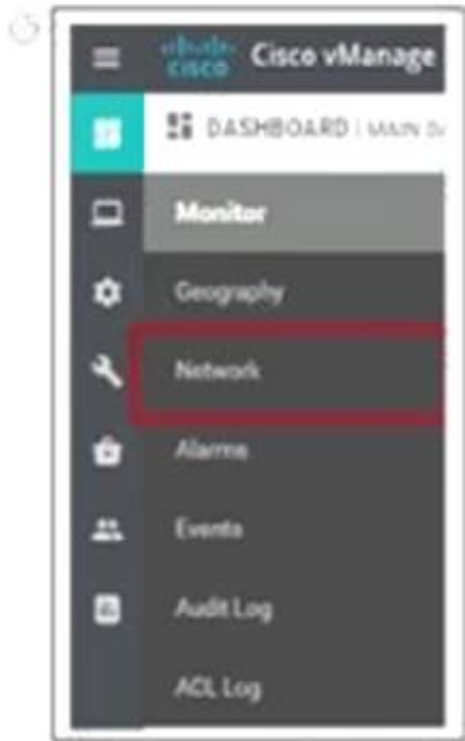
NEW QUESTION 200

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?

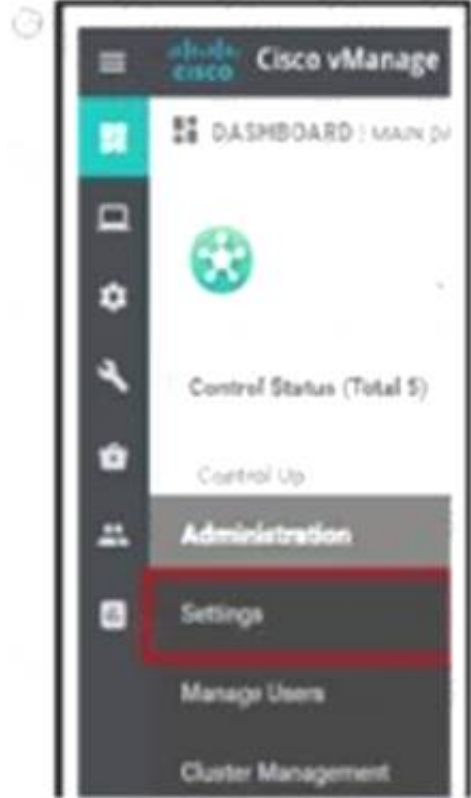
A)



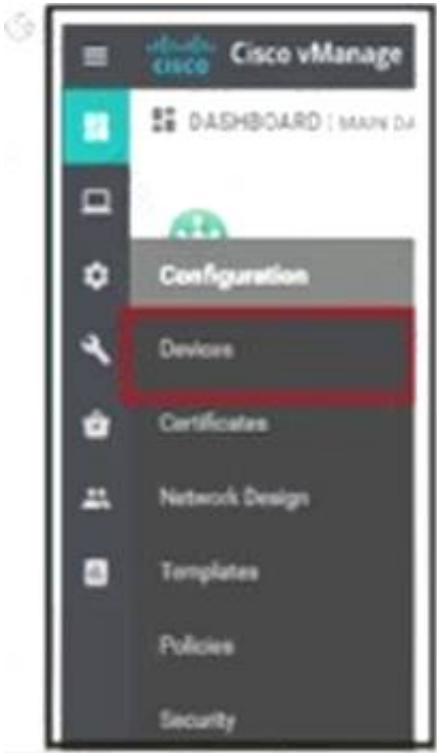
B)



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

NEW QUESTION 201

Which controller is excluded from the process of checking against the authorized, allowed list?

- A. vBond
- B. PnP
- C. vSmart
- D. vManage

Answer: A

NEW QUESTION 206

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 209

Which two actions are necessary to set the Controller Certificate Authorization mode to indicate a root certificate? (Choose two)

- A. Select the Controller Certificate Authorization mode that is recommended by Cisco
- B. Change the organization name of the Cisco SO-WAN fabric.
- C. Upload an SSL certificate to vManage,
- D. Select a private certificate signing authority instead of a public certificate signing authority
- E. Select a validity period from the drop-down menu

Answer: CD

NEW QUESTION 214

How is an event monitored and reported for an individual device in the overlay network at site ID:S4300T6E43F36?

- A. The device sends event notifications to vManage.
- B. The device sends notifications to vSmart that sends them to vManage.
- C. The device sends a critical alarm of events to vManage.
- D. The device sends a critical alarm to vSmart that sends it to vManage.

Answer: A

NEW QUESTION 219

What is the maximum number of IPsec that are temporarily created and converged on a new set if IPsec Sas in the pairwise keys process during a simultaneous rekey?

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

Answer: B

NEW QUESTION 221

A company must avoid downtime at the remote sites and data plane to continue forwarding traffic between WAN Edge devices if the branch router loses connectivity to its OMP peers Which configuration meets the requirement?

A)

CONFIGURATION | TEMPLATES

Device Feature

Feature Template Add Template - OMP

Basic Configuration Timers Advertise

Graceful Restart for OMP	<input type="radio"/> On <input checked="" type="radio"/> Off
Overlay AS Number	2
Graceful Restart Timer (seconds)	300
Number of Paths Advertised per Prefix	2
ECMP Limit	2
Shutdown	<input type="radio"/> Yes <input checked="" type="radio"/> No

B)

Feature Template Add Template - OMP

Basic Configuration Timers Advertise

Graceful Restart for OMP	<input type="radio"/> On <input checked="" type="radio"/> Off
Overlay AS Number	1
Graceful Restart Timer (seconds)	33200
Number of Paths Advertised per Prefix	2
ECMP Limit	2
Shutdown	<input type="radio"/> Yes <input checked="" type="radio"/> No

C)

CONFIGURATION | TEMPLATES

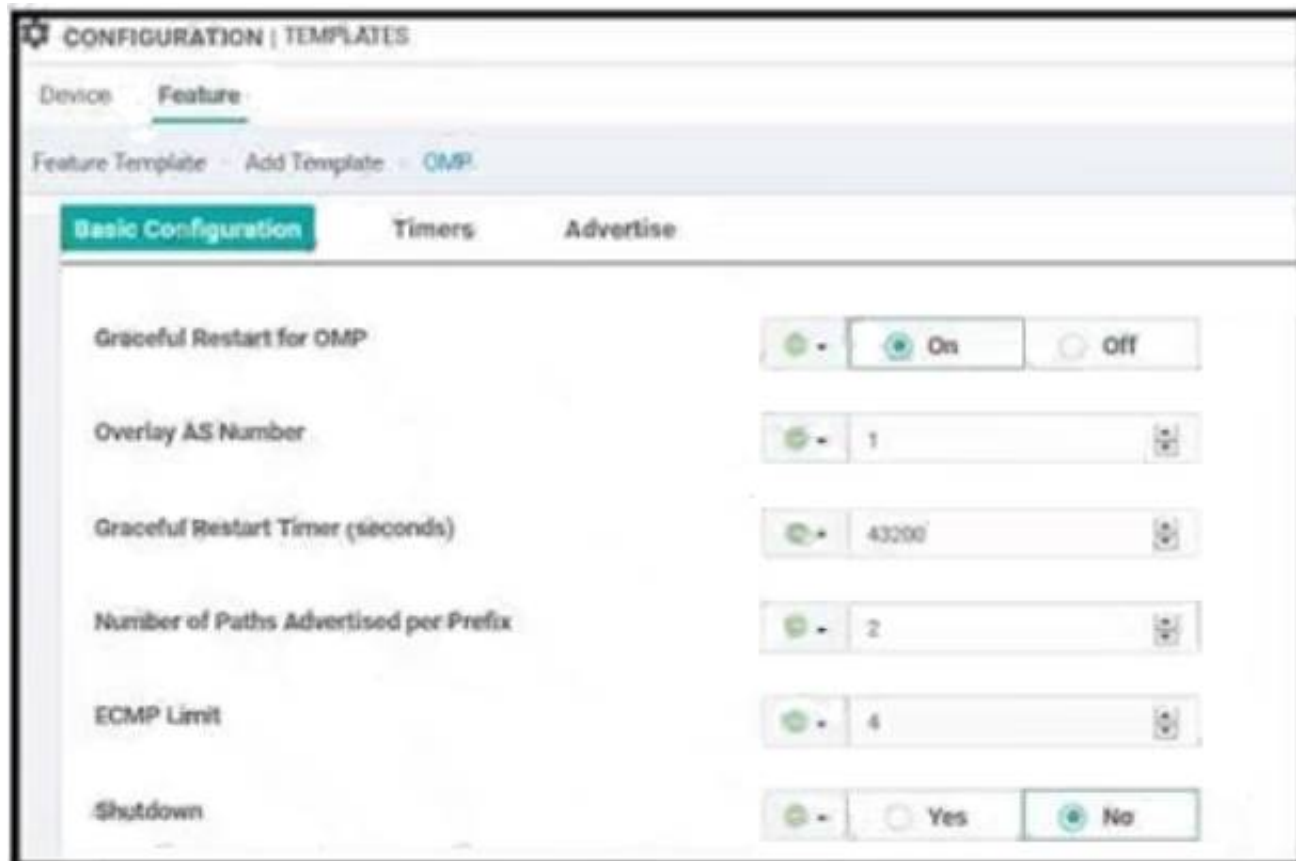
Device Feature

Feature Template Add Template - OMP

Basic Configuration Timers Advertise

Graceful Restart for OMP	<input checked="" type="radio"/> On <input type="radio"/> Off
Overlay AS Number	1
Graceful Restart Timer (seconds)	43200
Number of Paths Advertised per Prefix	2
ECMP Limit	2
Shutdown	<input checked="" type="radio"/> Yes <input type="radio"/> No

D)



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

Answer: D

NEW QUESTION 224

Which two WAN Edge devices should be deployed in a cloud? (Choose two.)

- A. vEdge 5000v
- B. ASR 1000v
- C. CSR 1000v
- D. vEdge 100wm
- E. vEdge cloud

Answer: CE

Explanation:

2. Virtual platforms

- Cloud Services Router (CSR) 1000v running IOS XE SD-WAN Software
- vEdge Cloud Router running Viptela OS

NEW QUESTION 226

An engineer is troubleshooting a vEdge router and identifies a “DCONFFAIL – 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 228

An engineer must automate certificate signing through Cisco. Which vManage configuration achieves this task?

A)

```
vpn 0
  dns 208.67.222.222 primary
  allow-service dns
  allow-service sshd
  allow-service netconf
```

B)


```
vpn 0
allow-service dns
allow-service sshd
allow-service netconf
```

C)

```
vpn 512
dns 208.67.222.222 primary
allow-service dns
allow-service sshd
allow-service netconf
```

D)

```
vpn 512
allow-service dns
allow-service sshd
allow-service netconf
```

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

Answer: A

NEW QUESTION 230

What must an engineer consider when deploying an SD-WAN on-premises architecture based on ESXi hypervisor?

- A. Cisco must provision the backup and snapshots platform for the SD-WAN architecture
- B. The managed service provider must provision controllers with their appropriate certificates
- C. The IT team is required to provision the SD-WAN controllers and is responsible for backups and disaster recovery implementation
- D. The IT team will be given access by Cisco to a vManage for configuration templates and policies

Answer: C

NEW QUESTION 233

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

- A. AES-256
- B. SHA-1
- C. AES-128
- D. MD5
- E. SHA-2

Answer: AB

Explanation:

Configure SNMPv3

Table 7. Feature History

Feature Name	Release Information	Description
Support for SNMPv3 AES-256 bit Authentication Protocol	Cisco SD-WAN Release 20.5.1	Support introduced for AES-256 bit Authentication Protocol called SHA-256.

To configure SNMPv3, in SNMP Version, click **V3**. For SNMPv3, you can configure groups, users, and trap information. Configure groups and trap information as described above.

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

Table 8.

Parameter Name	Description
User	Enter a name of the SNMP user. It can be 1 to 32 alphanumeric characters.
Authentication Protocol	Select the authentication mechanism for the user: <ul style="list-style-type: none">SHA-1 message digestSHA-256 message digest <p>Note Starting from Cisco SD-WAN Release 20.5.1, SHA-256 authentication protocol was introduced. When you choose SHA-256 as the authentication protocol, you must set the security level as authPriv.</p> <p>Note MD5 authentication protocol is deprecated for Cisco SD-WAN Release 20.3.2 and later releases.</p>

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

NEW QUESTION 235

In which file format is a critical severity report downloaded from the MONITOR | ALARM tab in the vManage GUI?

- A. .txt

- B. .pdf
- C. csv
- D. xlsx

Answer: C

NEW QUESTION 237

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 241

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 243

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 248

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 253

Which Cisco SD-WAN component the initial communication between WAN Edge devices to join the fabric?

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

Answer: D

Explanation:

The Cisco vBond Orchestrator orchestrates the initial control connection between Cisco vSmart Controllers and vEdge routers. It creates DTLS tunnels to the Cisco vSmart Controllers and vEdge routers to authenticate each node that is requesting control plane connectivity. This authentication

NEW QUESTION 257

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 262

A customer has 1 to 100 service VPNs and wants to restrict outbound updates for VPN1 Which control policy configuration restricts these updates?

A)

```
policy
lists
vpn-list VPN2-100
vpn 2-100
!
control-policy restrict_2-100
sequence 10
match route
vpn-list VPN2-100
!
action reject
!
default-action accept
```

B)

```
policy
lists
vpn-list VPN2-100
vpn 2-100
!
control-policy restrict_2-100
sequence 10
match route
vpn-list VPN2-100
!
action reject
!
default-action accept
```

C)

```

policy
lists
vpn-list VPN1
vpn 1
!
!
control-policy restrict_1
sequence 10
match route
vpn-list VPN1
!
action reject
!
default-action accept
!

```

D)

```

Policy
lists
vpn-list restricted_vpn
vpn 2-100
!
!
vpn-membership restrict_1
sequence 10
match vpn-list restricted_vpn
action reject
!
!
default-action accept
!

```

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

Answer: C

NEW QUESTION 265

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 270

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 274

An engineer configured a data policy called ROME-POLICY. Which configuration allows traffic flow from the Rome internal network toward other sites?

- A. apply-policy site-list Rome data-policy ROME-POLICY from-tunnel
- B. apply-policy site-list Rome data-policy ROME-POLICY from-service
- C. site-list Rome control-policy ROME-POLICY in
- D. site-list Rome control-policy ROME-POLICY out

Answer: A

NEW QUESTION 278

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 282

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 287

What is the main purpose of using TLOC extensions in WAN Edge router configuration?

- A. creates hardware-level transport redundancy at the local site
- B. creates an IPsec tunnel from WAN Edge to vBond Orchestrator
- C. transports control traffic to a redundant vSmart Controller
- D. transports control traffic w remote-site WAN Edge routers

Answer: D

NEW QUESTION 291

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 294

Refer to the exhibit.

```
vEdge-Cloud#
vEdge-Cloud#
vEdge-Cloud# vshell
vEdge-Cloud:~$ cd /var/log/
vEdge-Cloud:/var/log$
vEdge-Cloud:/var/log$ ls -l
total 28992
-rw-r--r-- 1 root root 1441700 Nov 22 15:13 auth.log
-rw-r--r-- 1 basic adm 0 Aug 7 15:29 cloud-init.log
drwxr-xr-x 2 root root 4096 Nov 22 14:49 confd
-rw-r--r-- 1 root root 1896486 Nov 22 14:57 kern.log
-rw-r--r-- 1 root root 292292 Aug 9 22:31 lastlog
-rw-r--r-- 1 root root 6197843 Nov 22 15:14 messages
-rw-r--r-- 1 root root 10512141 Aug 30 21:00 messages.1
drwxr-xr-x 2 root root 4096 Nov 22 14:48 pdb
drwxr-xr-x 2 quagga quagga 4096 Aug 7 15:29 quagga
-rw-r--r-- 1 root root 437 Nov 22 14:48 sw_script_active.log
-rw-r--r-- 1 root root 382 Nov 22 14:48 sw_script_previous.log
-rw-r--r-- 1 root root 2004 Nov 22 14:49 sw_script_syncddb.log
-rw----- 1 root root 64064 Nov 22 15:07 tallylog
drwxr-xr-x 2 root root 60 Nov 22 14:48 tmplog
-rw-r--r-- 1 root root 6841506 Nov 22 15:14 vconfd
-rw-r--r-- 1 root root 184602 Aug 7 15:29 vdebug
-rw-r--r-- 1 root root 2479511 Nov 22 15:14 vsyslog
-rwxr-xr-x 1 root utmp 49536 Nov 22 15:07 wtmp
vEdge-Cloud:/var/log$
vEdge-Cloud:/var/log$
```

Which configuration stops Netconf CLI logging on WAN Edge devices during migration?

- ☐ logs
 - audit-disable
 - netconf-disable
- ☐ logs
 - netconf-disable
- ☐ logging
 - disk netconf-disable
- ☒ logging
 - disk
 - audit-disable
 - netconf-disable

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

Answer: B

Explanation:

<https://www.cisco.com/c/en/us/td/docs/routers/sdwan/command/sdwan-cr-book/config-cmd.html#wp386725031>

Syslog messages related to AAA authentication and Netconf CLI access and usage are placed in the auth.log and messages files. Each time Cisco vManage logs in to a Cisco vEdge device to retrieve statistics and status information and to push files to the router, the router generates AAA and Netconf log messages. So, over time, these messages can fill the log files. To prevent these messages from filling the log files, you can disable the logging of AAA and Netconf syslog messages:

Device(config)# **system aaa logs**Viptela(config-logs)# **audit-disable**Viptela(config-logs)# **netconf-disable**

NEW QUESTION 295

An enterprise is continuously adding new sites to its Cisco SD-WAN network. It must configure any cached routes flushed when OMP peers have lost adjacency. Which configuration allows the cached OMP routes to be flushed after every 24 hours from its routing table?

A)

Basic Configuration

Timers

Advertise

Graceful Restart for OMP

On

Off

Overlay AS Number

24

Graceful Restart Timer (seconds)

43200

Number of Paths Advertised per Prefix

4

ECMP Limit

4

Shutdown

Yes

No

B)

Basic Configuration	Timers	Advertise
Graceful Restart for OMP	<input checked="" type="radio"/> On	<input type="radio"/> Off
Overlay AS Number	1	
Graceful Restart Timer (seconds)	86400	
Number of Paths Advertised per Prefix	3	
ECMP Limit	4	
Shutdown	<input type="radio"/> Yes	<input checked="" type="radio"/> No

C)

Basic Configuration	Timers	Advertise
Graceful Restart for OMP	<input checked="" type="radio"/> On	<input type="radio"/> Off
Overlay AS Number	24	
Graceful Restart Timer (seconds)	600000	
Number of Paths Advertised per Prefix	2	
ECMP Limit	2	
Shutdown	<input type="radio"/> Yes	<input checked="" type="radio"/> No

D)

Basic Configuration	Timers	Advertise
Graceful Restart for OMP	<input checked="" type="radio"/> On	<input type="radio"/> Off
Overlay AS Number	24	
Graceful Restart Timer (seconds)	43200	
Number of Paths Advertised per Prefix	2	
ECMP Limit	2	
Shutdown	<input type="radio"/> Yes	<input checked="" type="radio"/> No

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

Answer: B

NEW QUESTION 299

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
```

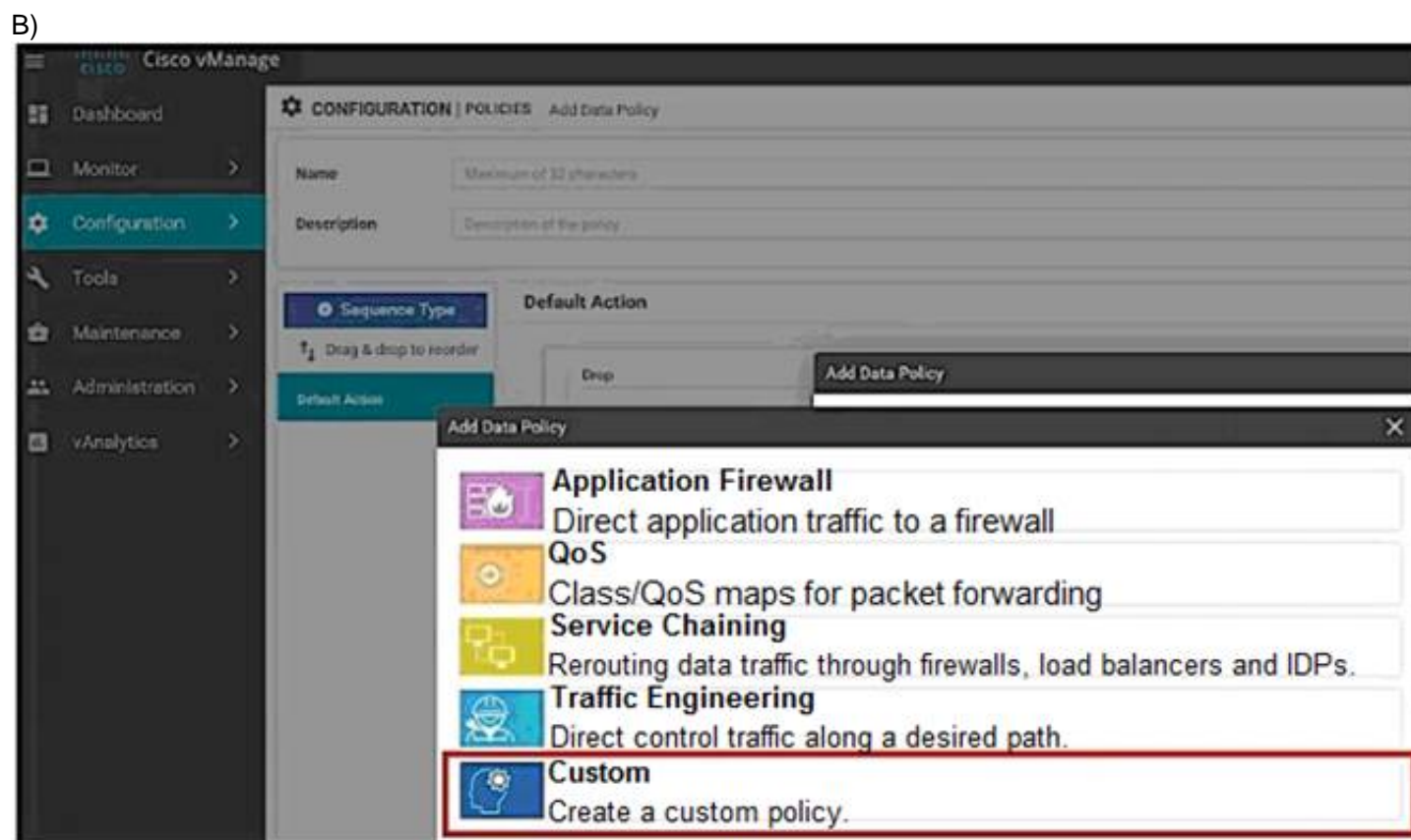
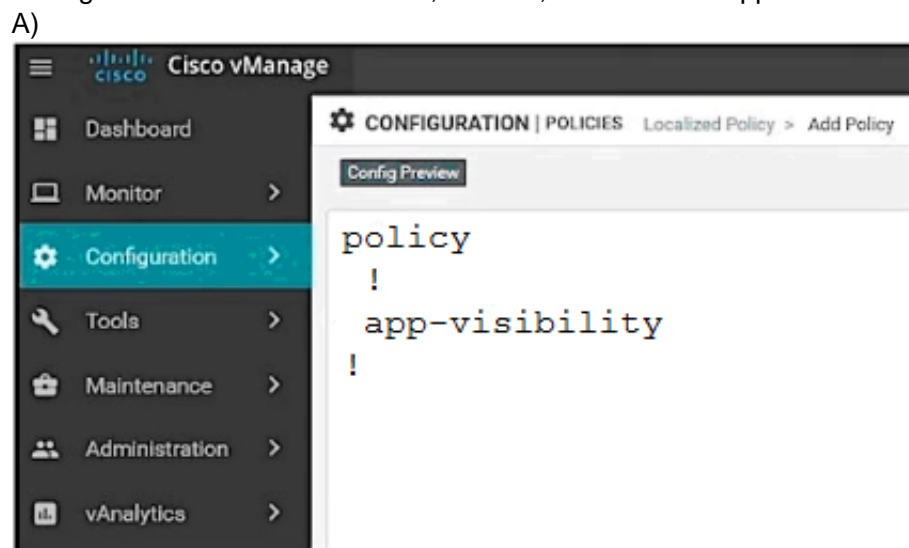
- C)
- ```
vpn 0
interface ge0/0
ip address 172.16.0.1/24
nat
vpn 1
ip route 0.0.0.0/0 vpn 0
```
- D)
- ```
vpn 0
ip route 0.0.0.0/0 vpn 0
vpn 1
interface ge0/1
ip address 172.16.0.1/24
nat
```

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

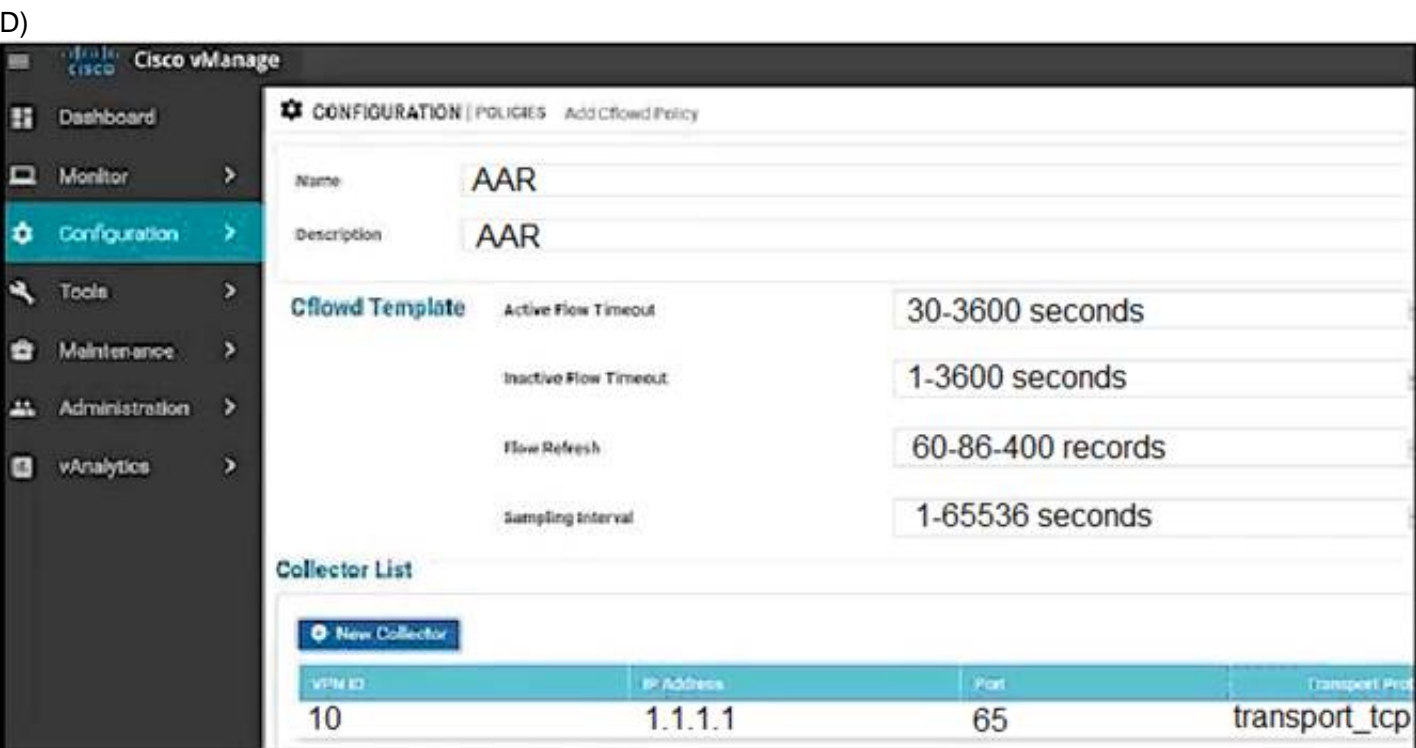
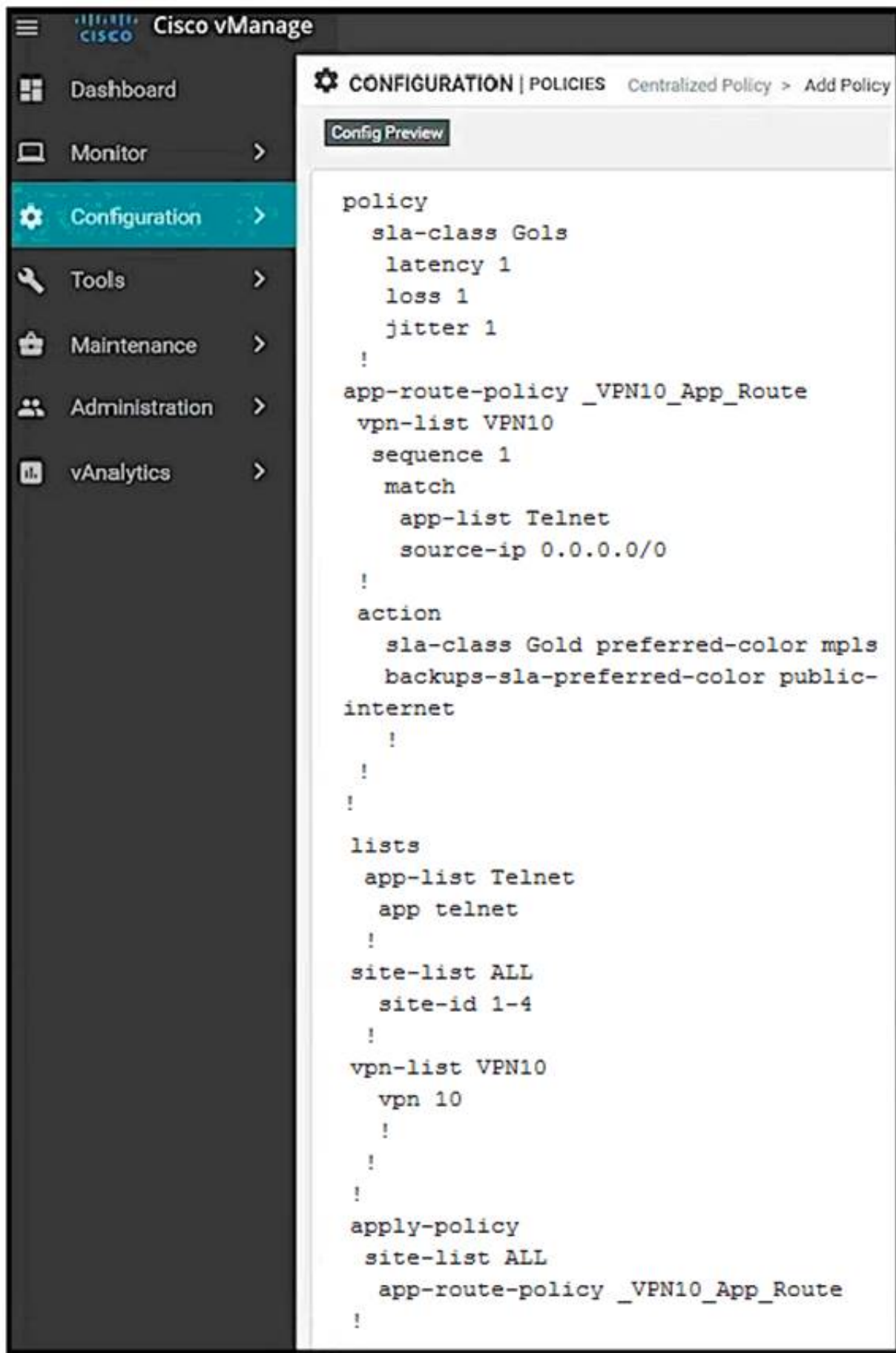
Answer: C

NEW QUESTION 300

An organization wants to discover, monitor, and track the applications running on the WAN Edge device on the LAN Which configuration achieves this goal?



C)



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

Answer: D

NEW QUESTION 305

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 306

Refer to the exhibit

```
vpn 1
service netsvc1 interface ipsec1

from-vsmart data-policy _1_ServiceIsectionIPSec
direction from-service
vpn-list 1
sequence 1
match
destination-ip 1.1.1.1/32
action accept
set
service netsvc1
default-action accept
from-vsmart lists vpn-list 1
vpn 1
```

Which command allows traffic through the IPsec tunnel configured in VPN 0?

- A. service local
- B. service FW address 1.1.1.1
- C. service netsvc1 vpn 1
- D. service netsvc1 address 1.1.1.1

Answer: B

Explanation:

<https://www.cisco.com/c/en/us/td/docs/routers/sdwan/configuration/policies/vedge-20-x/policies-book/service-c>

NEW QUESTION 310

An administrator must configure an ACL for traffic coming in from the service-side VPN on a specific WAN device with circuit ID 391897770. Which policy must be used to configure this ACL?

- A. local data policy
- B. central data policy
- C. app-aware policy
- D. central control policy

Answer: A

Explanation:

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

NEW QUESTION 312

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 315

Which component of the Cisco SD-WAN control plane architecture facilitates the storage of certificates and configurations for network components?

- A. vSmart
- B. vBond

- C. WAN Edge
- D. vManage

Answer: D

NEW QUESTION 320

Which queue must an engineer configure for control and BFD traffic for convergence on a WAN Edge router?

- A. queue 0
- B. queue 1
- C. queue 2
- D. queue 7

Answer: C

NEW QUESTION 323

Which website allows access to visualize the geography screen from vManager using the internet?

- A. *.opcnstreetmaps.org
- B. *.fullstreetmaps.org
- C. *.callstreelmaps.org
- D. *.globaistreetmaps.org

Answer: A

NEW QUESTION 328

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 333

Drag and drop the REST API calls from the left onto the functions on the right.

PUT	Retrieve or read.
GET	Update an object.
POST	Create an object.
DELETE	Remove an object.

- A. Mastered
- B. Not Mastered

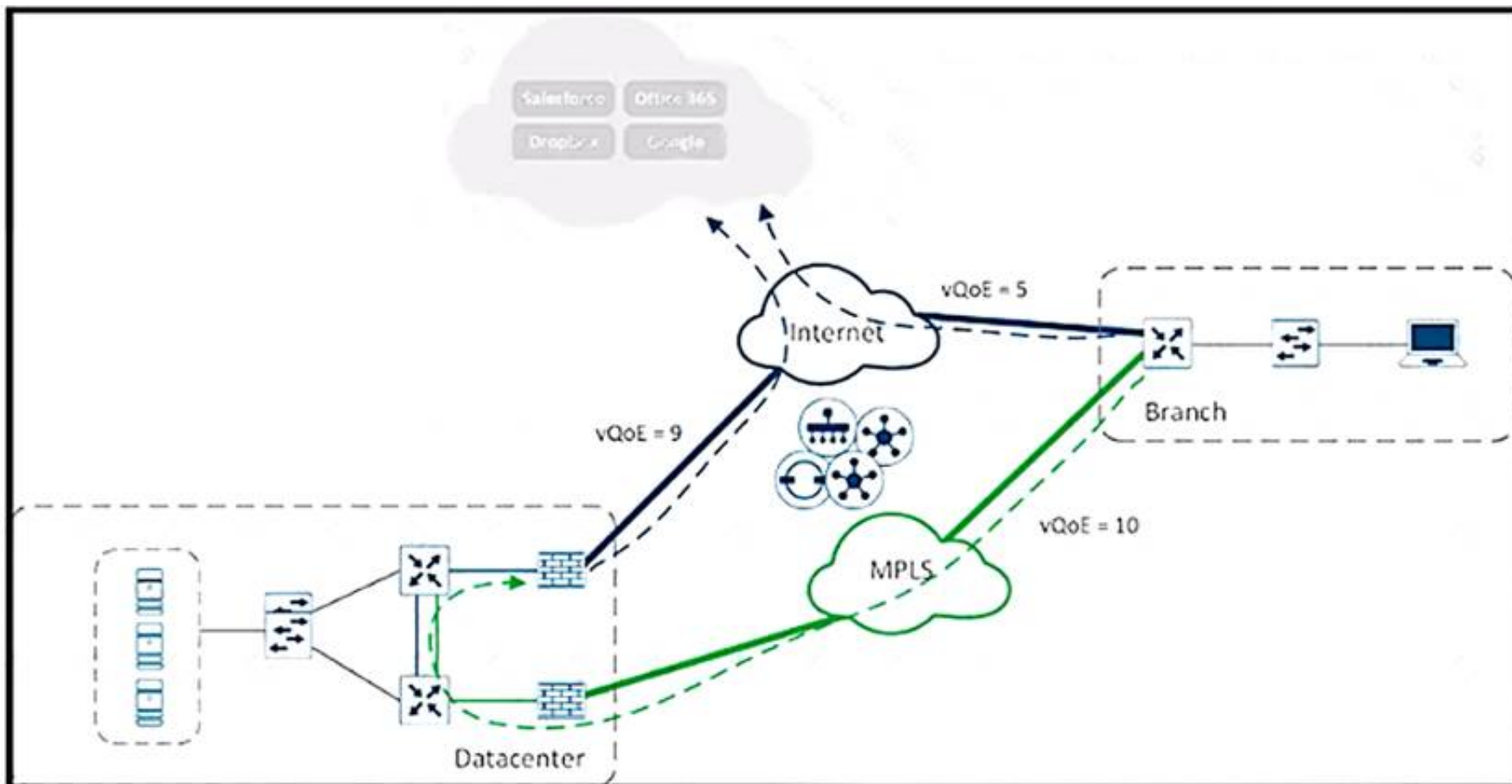
Answer: A

Explanation:

- GET: Get resource from the server.
- POST: Create resource to the server.
- PATCH or PUT: Update existing resource on the server.
- DELETE: Delete existing resource from the server.

NEW QUESTION 334

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 335

What is a benefit of using REST APIs?

- A. predefined automation and orchestration platform for event management and logging
B. user-defined automation and integration into other orchestration systems or tools
C. vAnalytics to simplify operational services integration and real-time event monitoring
D. predefined SD-WAN controller with other platform integration for event management and logging

Answer: B

NEW QUESTION 338

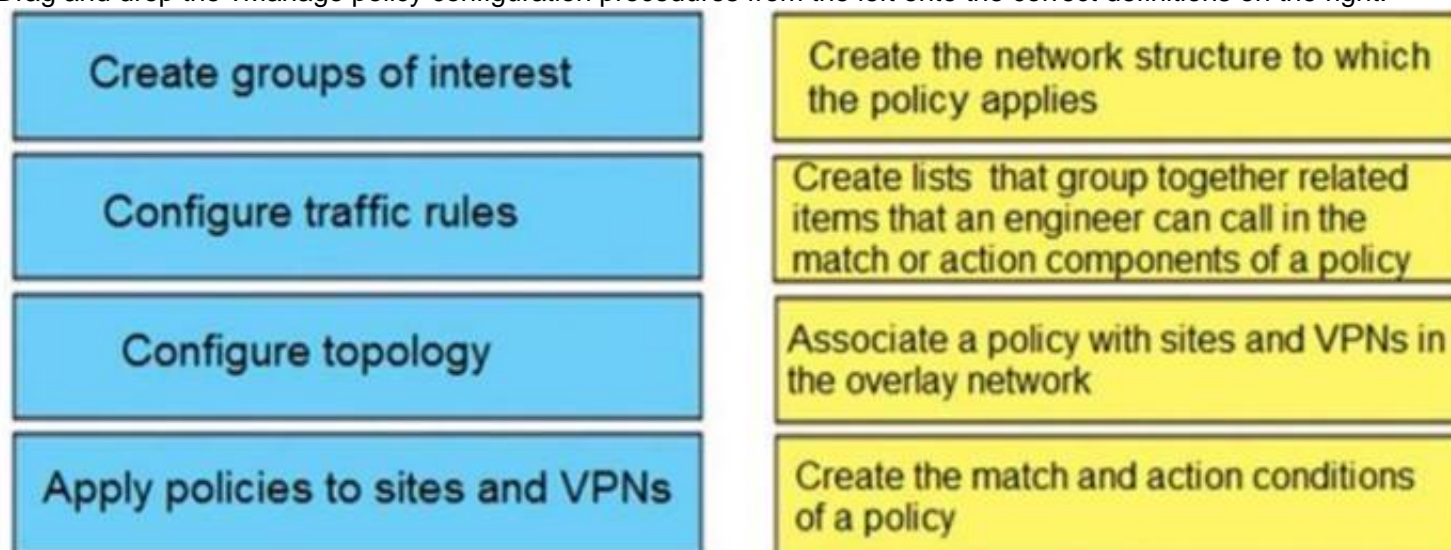
WAN Edge routers are configured manually to use UDP port offset to use nondefault offset values when IPsec tunnels are created. What is the offset range?

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

Answer: C

NEW QUESTION 341

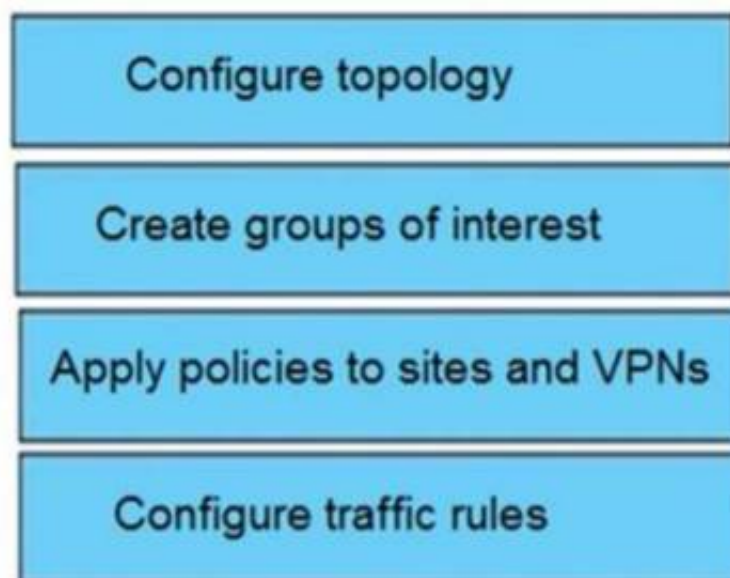
Drag and drop the vManage policy configuration procedures from the left onto the correct definitions on the right.



- A. Mastered
B. Not Mastered

Answer: A

Explanation:



NEW QUESTION 343

How many concurrent sessions does a vManage REST API have before it invalidates the least recently used session if the maximum concurrent session number is reached?

- A. 150
- B. 200
- C. 250
- D. 300

Answer: A

NEW QUESTION 344

An engineer must use data prefixes to configure centralized data policies using the vManage policy configuration wizard. What is the first step to accomplish this task?

- A. Create groups of interest
- B. Configure network topology.
- C. Configure traffic rules.
- D. Apply policies to sites and VPNs.

Answer: A

NEW QUESTION 349

A customer must upgrade the cisco SD-WAN devices and controllers from version 19.2 to version 20.3. The devices include WAN Edge cloud, vManage, vSmart, and vBond. Which types of image types of image files are needed for this upgrade?

- A. one file for vManage and one file for all other devices with extension tar.gz
- B. one file for vManage, one for vSmart and one for vBond + WAN Edge Cloud with extension.bin
- C. one file for vManaga, one for vSmart and one for vBond + WAN Edge Cloud with extension tar.gz
- D. one file for vManaga and one file for all other devices with extension .bin

Answer: C

Explanation:

<https://software.cisco.com/download/home/286320995/type/286321394/release/20.3.3.1>

NEW QUESTION 351

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 355

Which two prerequisites must be met before the Cloud onRamp for IaaS is initiated on vManage to expand to the AWS cloud? (Choose two)

- A. Attach the *AmazonCreateVPC* and "Amazon Provision EC2" permission policy to the IAM account
- B. Subscribe to the SD-WAN Edge router AMI in the AWS account
- C. Attach an OSPF feature template to the AWS cloud Edge router template
- D. Attach a device template to the cloud WAN Edge router to be deployed in the AWS
- E. Preprovision the transit VPC in the AWS region

Answer: BD

Explanation:

The pre-requisites include verifying you meet the AWS prerequisites, including the necessary AWS credentials and subscriptions to the Amazon Machine Image (AMI) instances for Cisco SD-WAN Edge routers (Cisco CSR 1000v virtual routers or Cisco vEdge Cloud); verifying you have available tokens/licenses for at least two additional Cisco SD-WAN Edge Routers within Cisco vManage; and configuring and deploying device templates for the Cisco SD-WAN Edge routers that will be used within the transit VPCs.

Note that the creation of the customer host VPCs, shown in the figure above, is outside the scope of this document. It is assumed that one or more customer host VPCs have already been created.

https://www.cisco.com/c/en/us/td/docs/solutions/CVD/SDWAN/Cisco_Cloud_onRamp_for_IaaS_AWS_Versio

NEW QUESTION 358

How is the scalability of the vManage increased in Cisco SD-WAN Fabric?

- A. Increase licensing on the vManage
- B. Deploy multiple vManage controllers in a cluster
- C. Deploy more than one vManage controllers on different physical server.
- D. Increase the bandwidth of the WAN link connected to the vManage

Answer: B

NEW QUESTION 363

Refer to the exhibit.

#Branch1-Edge1	#Branch1-Edge2
vpn 0	vpn 0
!	...
interface ge0/1	interface ge0/2
ip address	no shutdown
172.17.113.241/28	!
tunnel-interface	interface ge0/2.704
encapsulation ipsec	ip address 10.113.4.1/30
color mpls restrict	tunnel-interface
!	encapsulation ipsec
no shutdown	color mpls restrict
!	mtu 1496
interface ge0/2.704	no shutdown
ip address 10.113.4.2/30	!
tloc-extension ge0/2	ip route 0.0.0.0/0 10.113.4.2

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

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

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

Answer: B

NEW QUESTION 365

Refer to the exhibit,

```
Site 1:
vpn 10
  service FW address 1.1.1.1

On vSmart
policy
lists
  site-list firewall-sites
  site-id 1

apply-policy
  site-list firewall-sites control-policy firewall-service out
```

Which configuration routes Site 2 through the firewall in Site 1?

control-policy firewall-service
sequence 10
match route
site-id 2
action accept
set service local
default-action accept

On vSmart
control-policy firewall-service
sequence 10
match route
site-id 2
action accept
set
service FW vpn 10
default-action accept

On vSmart
control-policy firewall-service
sequence 10
match route
site-id 2
action accept
set
service FW vpn 10
service local
default-action accept

On vSmart
control-policy firewall-service
sequence 10
match route
site-id 2
action accept
set service FW vpn 10
default-action accept

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

Answer: D

Explanation:

<https://www.cisco.com/c/en/us/td/docs/routers/sdwan/configuration/policies/vedge-20-x/policies-book/service-c>

Here is the configuration procedure:

- On the hub router, provision the firewall service, specifying the IP address of the firewall device. With this configuration, OMP on the hub router advertises one service route to the Cisco vSmart Controller. The service route contains a number of properties that identify the location of the firewall, including the TLOC of the hub router and a service label of svc-id-1, which identifies the service type as a firewall. (As mentioned above, before advertising the route, the device ensures that the firewall's IP address can be resolved locally.)

```
vpn 10
service FW address 1.1.1.1
```

- On the Cisco vSmart Controller, configure a control policy that redirects data traffic traveling from Site 1 to Site 2 through the firewall. Then, also on the Cisco vSmart Controller, apply this policy to Site 1.

```
policy
lists
site-list firewall-sites
site-id 1
control-policy firewall-service
sequence 10
match route
site-id 2
action accept
set service FW vpn 10
default-action accept
apply-policy
site-list firewall-sites control-policy firewall-service out
```

NEW QUESTION 370

An engineer is configuring a list that matches all IP prefixes with lengths from /1 to /16 in a centralized control policy. Which list accomplishes this task?

- A. 0.0.0.0/1 le 16
- B. 0.0.0.0/0 ge 1
- C. 0.0.0.0/0 le 16
- D. 0.0.0.0/16 ge 1

Answer: A

NEW QUESTION 375

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 380

Refer to the exhibit.

vManage system system-ip 10.11.11.1 host-name vManage site-id 1 clock timezone Europe/London vbond 11.1.1.3 organization-name Cisco.com Vpn 0 Interface eth1 Ip address 11.1.1.1/24 No shut Tunnel-interface Allow-service all Ip route 0.0.0.0/0 11.1.1.254	vSmart system system-ip 10.11.11.1 host-name vSmart site-id 1 clock timezone Europe/Rome vbond 11.1.1.3 organization-name Cisco.com Vpn 0 Interface eth1 Ip address 11.1.1.2/24 No shut Tunnel-interface Allow-service all Ip route 0.0.0.0/0 11.1.1.254
vBond system system-ip 10.11.11.3 host-name vManage site-id 1 clock timezone Europe/London vbond 11.1.1.1 local organization-name Cisco.com Vpn 0 Interface ge0/0 Ip address 11.1.1.3/28 No shut Tunnel-interface Encapsulation ipsec Allow-service all Ip route 0.0.0.0/0 11.1.1.254	

vManage and vSmart have an issue establishing a connection to vBond. Which configuration resolves the issue?

- A. Configure the tunnel interface on all three controllers with a color of transport.
- B. Change the timezone on the vSmart to Europe/London.
- C. Configure the (11.1.1.X/24) IP addresses on the eth0 interfaces on vManage and vSmart.
- D. Reconfigure the system-ip parameter on vSmart to 11.1.1.2.

Answer: B

NEW QUESTION 381

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 385

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 386

What are two attributes of vRoute? (Choose two)

- A. originator
- B. service
- C. encapsulation
- D. carrier
- E. domain ID

Answer: AB

NEW QUESTION 390

Refer to the exhibit

TUNNEL

Tunnel Interface	<div style="display: flex; align-items: center;"> <div style="border: 1px solid #ccc; padding: 2px 5px; margin-right: 5px;"> ▼ </div> <div style="display: flex; align-items: center;"> <input checked="" type="radio"/> On <input type="radio"/> Off </div> </div>
Per-tunnel Qos	<div style="display: flex; align-items: center;"> <div style="border: 1px solid #ccc; padding: 2px 5px; margin-right: 5px;"> ▼ </div> <div style="display: flex; align-items: center;"> <input checked="" type="radio"/> On <input type="radio"/> Off </div> </div>
Per-tunnel QoS Aggregator	<div style="display: flex; align-items: center;"> <div style="border: 1px solid #ccc; padding: 2px 5px; margin-right: 5px;"> ▼ </div> <div style="display: flex; align-items: center;"> <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 395

What are the two functions of vSmart? (Choose two)

- A. It orchestrates connectivity between WAN Edge routers using policies to create network topology
- B. It ensures that valid WAN Edge routers can build the control pane connectivity
- C. It uses TLOCs to uniquely identify the circuit interface to control plane and data plane information
- D. It validates that the WAN Edge trying to join the overlay is authorized to join.

E. It builds control plane connections with WAN Edge routers using ILS or ULS

Answer: DE

NEW QUESTION 396

If Smart Account Sync is not used, which Cisco SD-WAN component is used to upload an authorized serial number file?

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

Answer: B

Explanation:

https://sdwan-docs.cisco.com/Product_Documentation/vManage_Help/Release_18.3/Configuration/Devices

NEW QUESTION 397

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 the configure policies screen, select the centralized policy tab and click add policy
- B. In vBond orchestrator
- C. select the configure > policies screen select the localized policy tab and click add policy
- D. and click add policy
- E. In vManage NM
- F. select the configure policies screen
- G. select the localized policy tab- and click add policy
- H. In vSmart controller select the configure policies screen, select the localized policy tab, and click add policy

Answer: C

NEW QUESTION 401

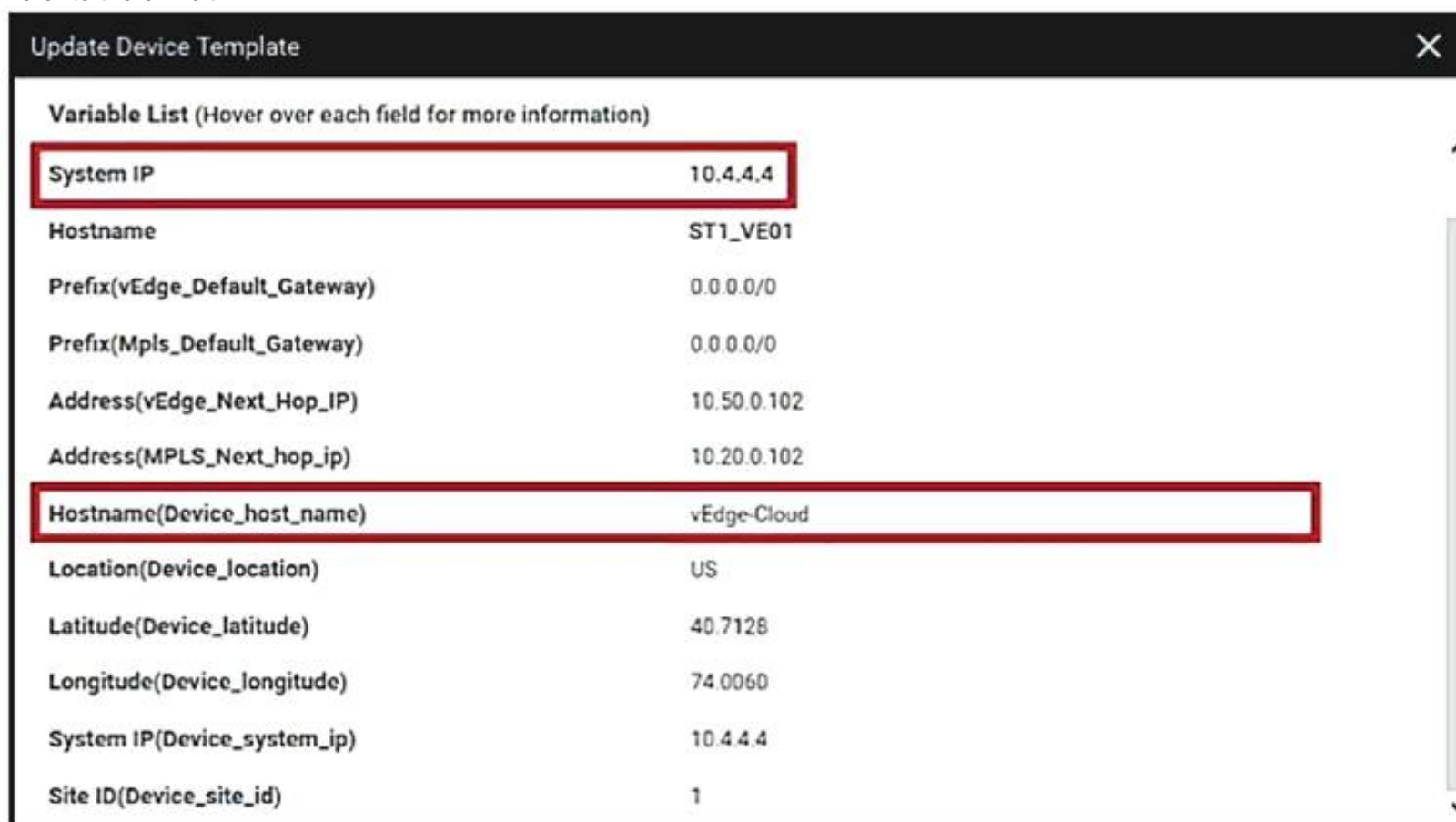
Which actions must be taken to allow certain departments to require firewall protection when interacting with data center network without including other departments? (Choose two.)

- A. Use classification policing and marking
- B. Apply data policies at vEdge.
- C. Deploy a service-chained firewall service per VPN
- D. The regional hub advertises the availability of the firewall service
- E. Advertise to vSmart controllers

Answer: CD

NEW QUESTION 406

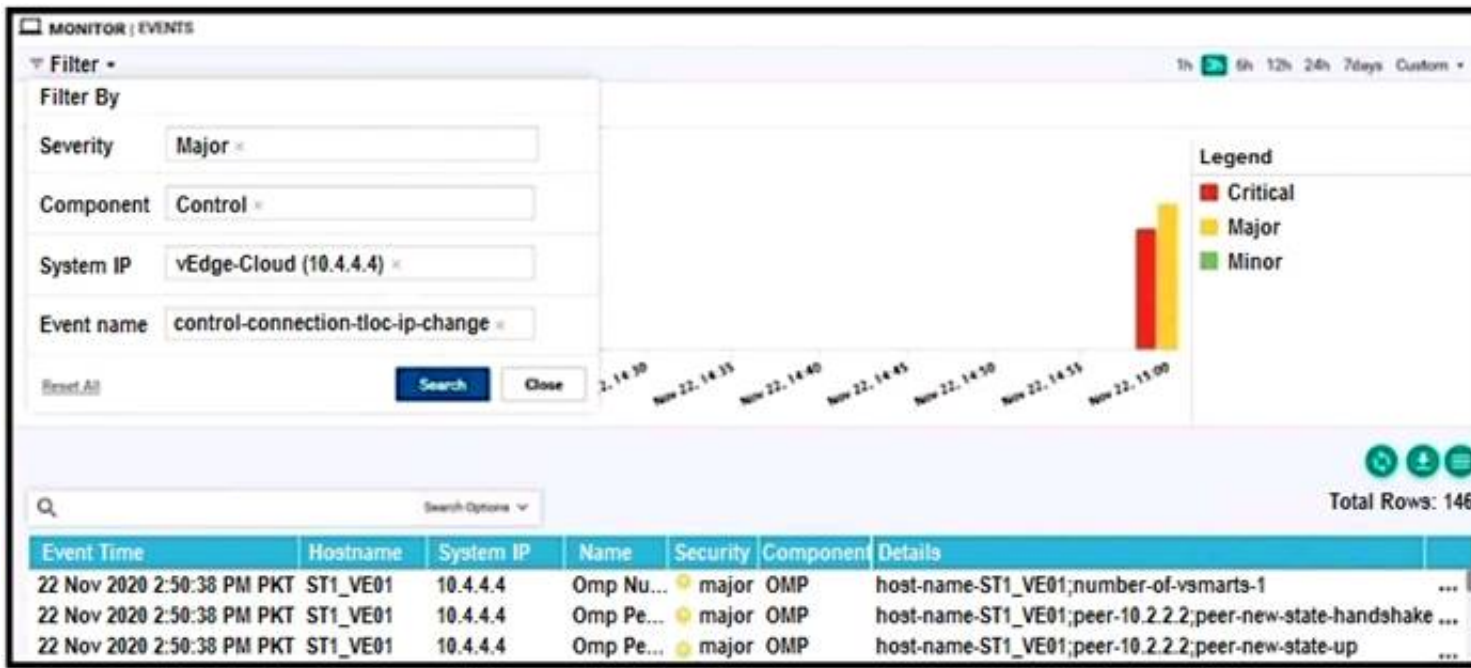
Refer to the exhibit.



Variable List (Hover over each field for more information)	
System IP	10.4.4.4
Hostname	ST1_VE01
Prefix(vEdge_Default_Gateway)	0.0.0.0/0
Prefix(Mpls_Default_Gateway)	0.0.0.0/0
Address(vEdge_Next_Hop_IP)	10.50.0.102
Address(MPLS_Next_hop_ip)	10.20.0.102
Hostname(Device_host_name)	vEdge-Cloud
Location(Device_location)	US
Latitude(Device_latitude)	40.7128
Longitude(Device_longitude)	74.0060
System IP(Device_system_ip)	10.4.4.4
Site ID(Device_site_id)	1

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?

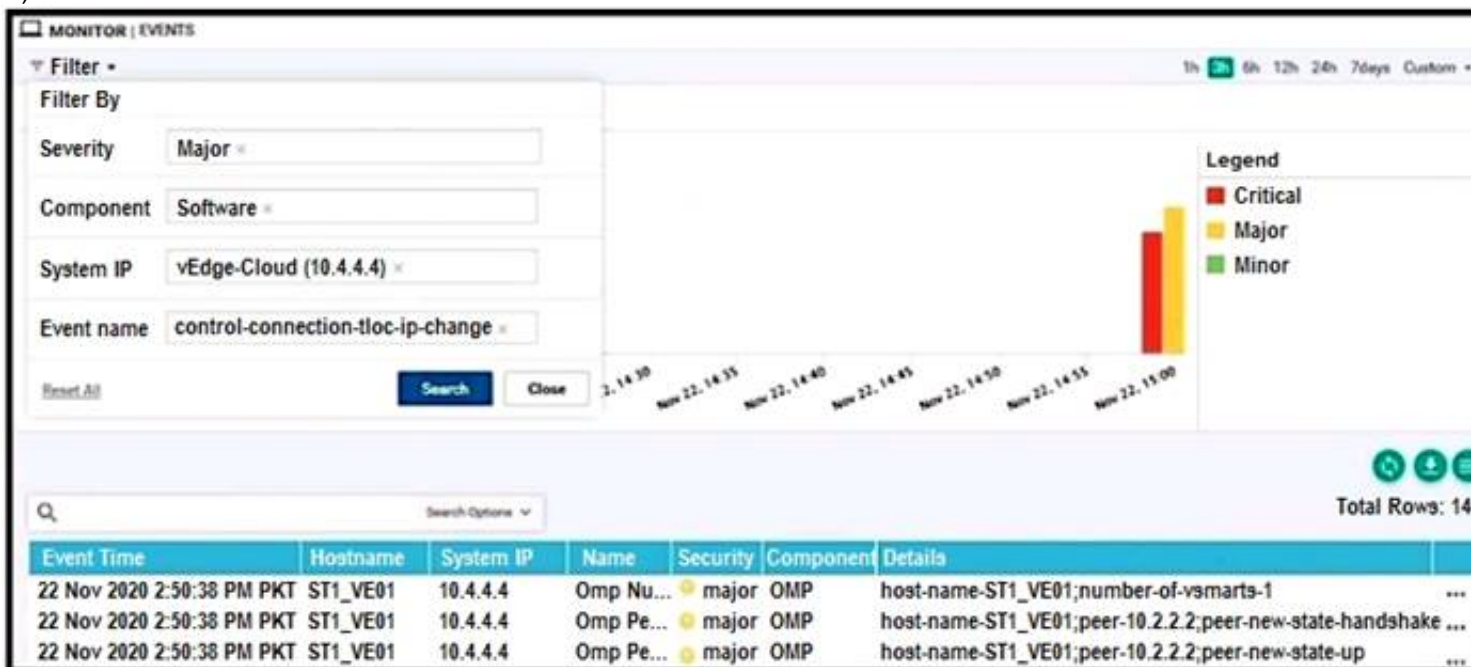
A)



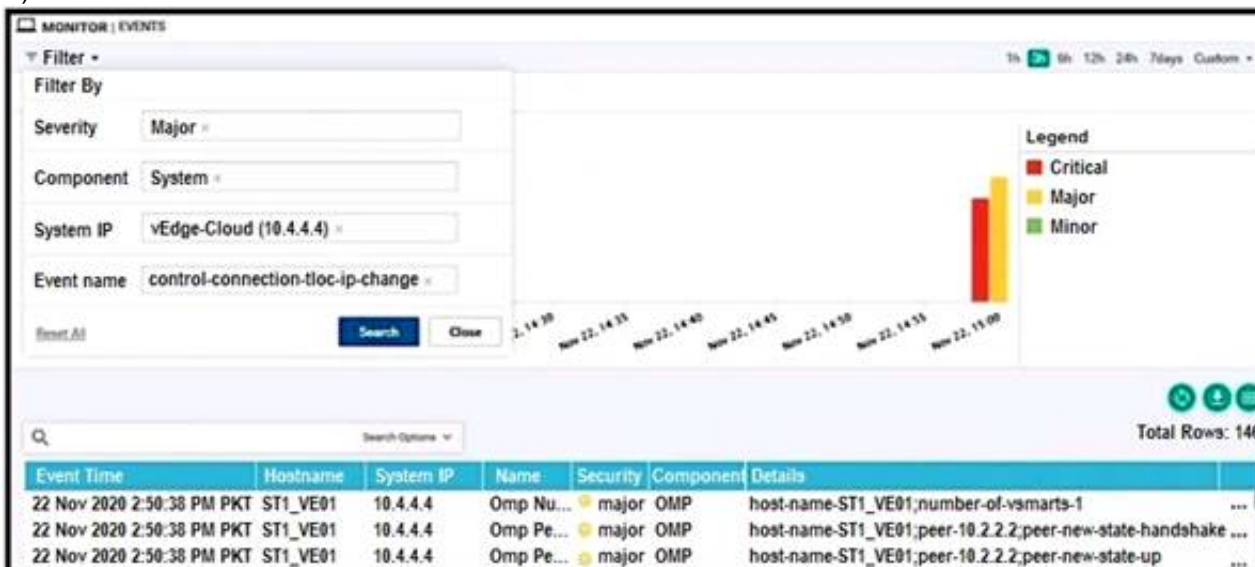
B)



C)



D)



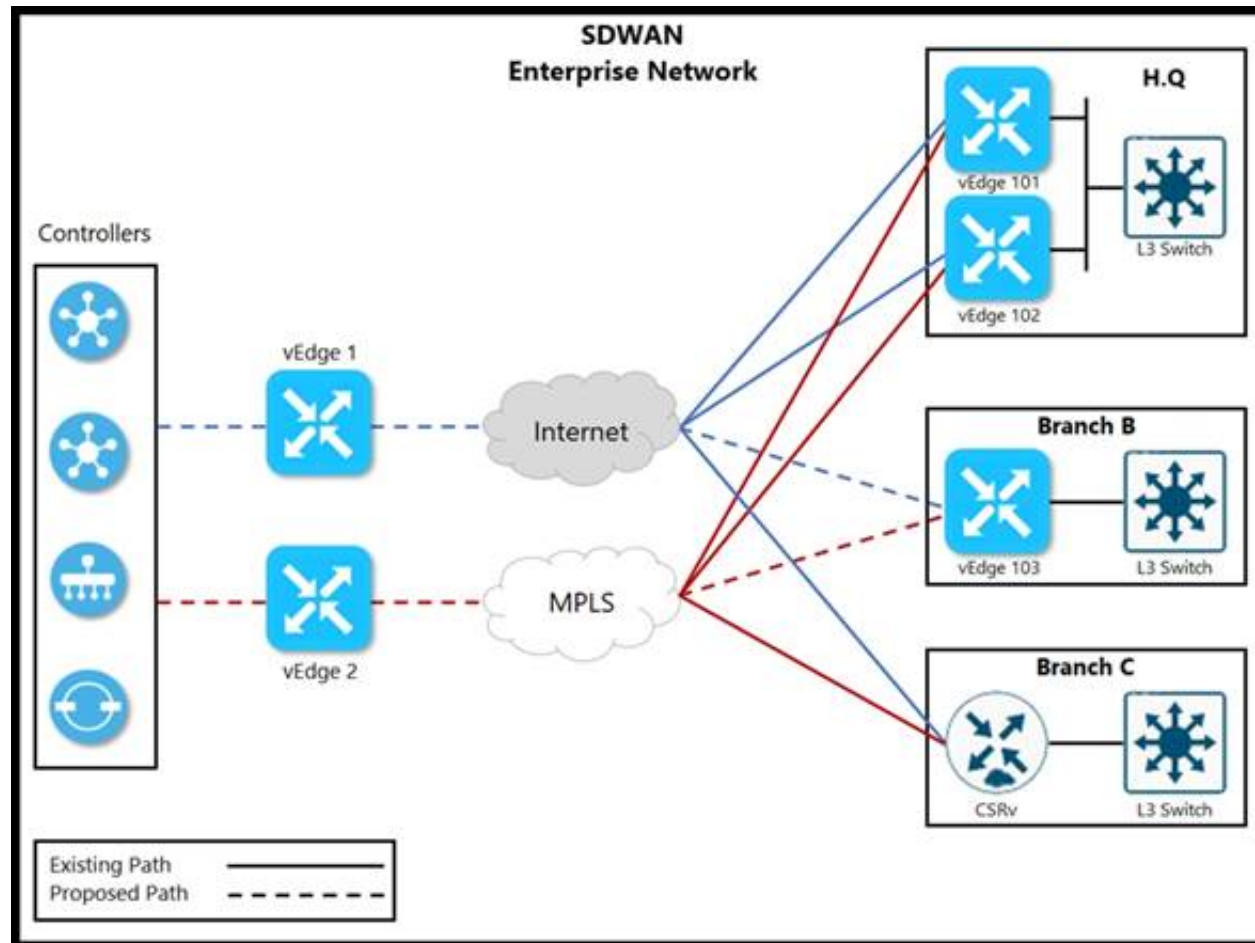
- A. Option A
- B. Option B
- C. Option C

D. Option D

Answer: D

NEW QUESTION 411

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 414

Which two criteria are 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 418

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

poll interval	BFD for Transport Tunnel
color	
hello interval	
PMTU discovery	BFD for Application-Aware Routing
multiplier	

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:
https://sdwandocs.cisco.com/Product_Documentation/vManage_Help/Release_18.2/Configuration/Templates/B

NEW QUESTION 420
What is a description of vManage NMS?

- A. It is accessible only from VPN 512 (the management VPN).
- B. A cluster requires device templates to be created on and attached to the same server
- C. It is a software process on a dedicated WAN Edge router in the network.
- D. A cluster consists of a minimum of two vManage NMSs

Answer: B

Explanation:
<https://www.cisco.com/c/en/us/td/docs/routers/sdwan/configuration/optimization-ha/vedge/network-optimization>

NEW QUESTION 424
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

NEW QUESTION 426

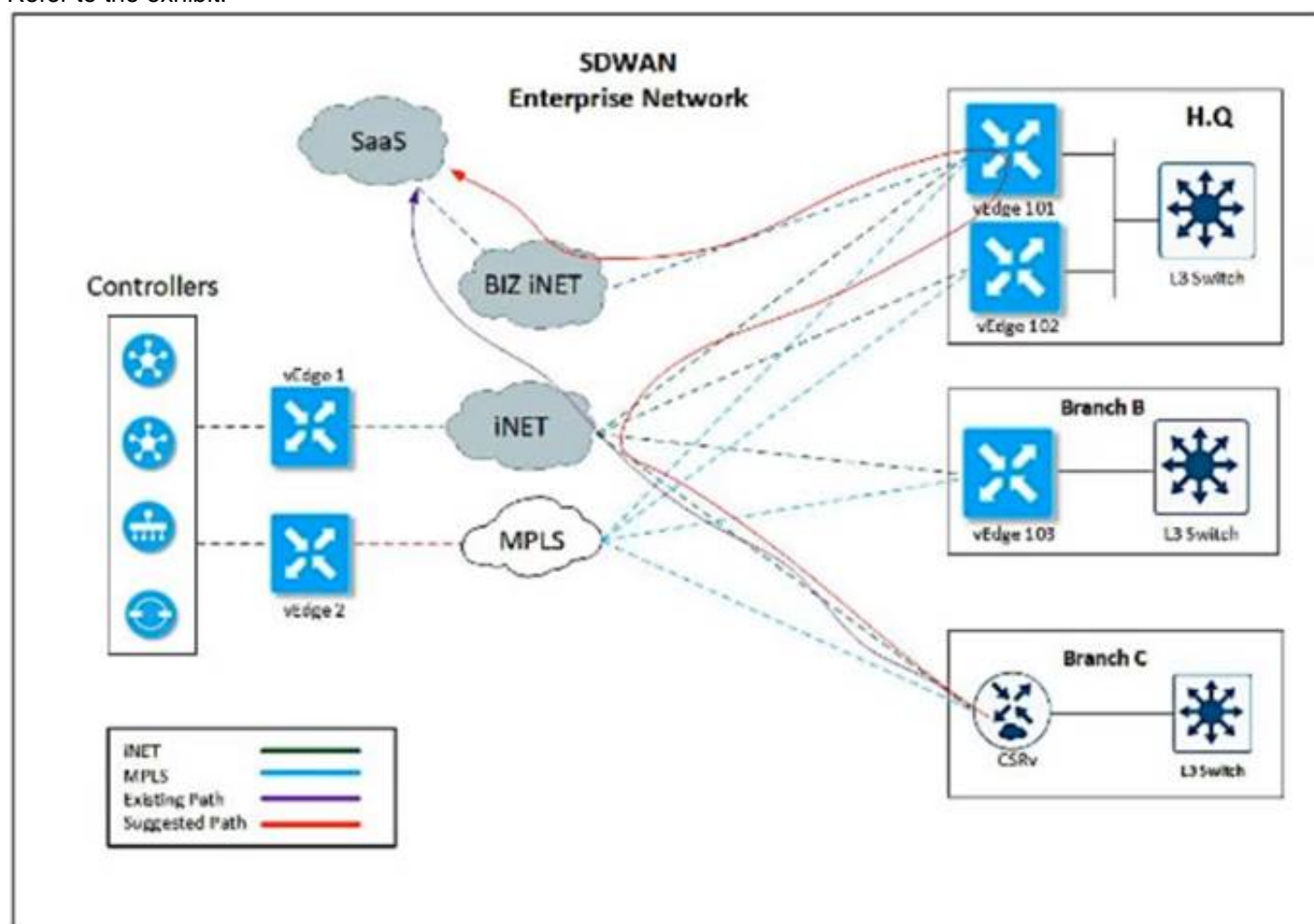
In a customer retail network with multiple data centers, what does the network administrator use to create a regional hub topology?

- 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 427

Refer to the exhibit.



An enterprise decides to use the Cisco SD-WAN Cloud onRamp for SaaS feature and utilize H.Q site Biz iNET to reach SaaS Cloud for branch C. currently reaching SaaS Cloud directly. Which role must be assigned to devices at both sites in vManage Cloud Express for this solution to work?

- A. H.Q to be added as Gateway and Branch as DIA.
- B. Branch to be added as Client Sites and H.Q as DIA.
- C. Branch to be added as DIA and H.Q as Client Site.
- D. H.Q to be added as Gateway and Branch as Client Site.

Answer: B

NEW QUESTION 428

Which component is responsible for routing protocols such as BGP and OSPF in a Cisco SD-WAN solution?

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

Answer: D

Explanation:

WAN Edge router - This device, available as either a hardware appliance or software-based router, sits at a physical site or in the cloud and provides secure data plane connectivity among the sites over one or more WAN transports. It is responsible for traffic forwarding, security, encryption, quality of service (QoS), routing protocols such as Border Gateway Protocol (BGP) and Open Shortest Path First (OSPF), and more.

NEW QUESTION 433

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 436

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

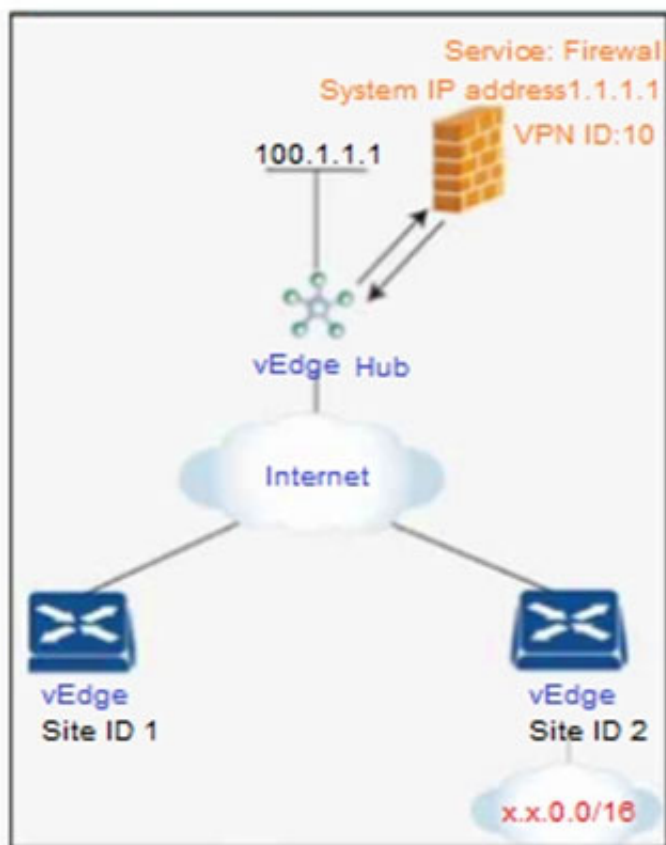
Answer: A

Explanation:

https://www.cisco.com/c/en/us/td/docs/solutions/CVD/SDWAN/Cisco_Cloud_onRamp_for_IaaS_AWS_Versio

NEW QUESTION 440

Refer to the exhibit.



An engineer is configuring service chaining. Which set of configurations is required for all traffic from Site ID 1 going toward Site ID 2 to get filtered through the firewall on the hub site?

A)

```
vpn 20
 service FW address 1.1.1.1
 policy
  lists
   site-list firewall-sites
    site-id 1
  control-policy firewall-service
   sequence 10
    match route
     site-id 2
    action accept
    set service FW vpn 20
  default-action accept
 apply-policy
  site-list firewall-sites control-policy firewall-service out
```

B)

```
vpn 10
service FW address 1.1.1.1
policy
lists
site-list firewall-sites
site-id 1
control-policy firewall-service
sequence 10
match route
site-id 2
action accept
set service FW vpn 10
default-action accept
apply-policy
site-list firewall-sites control-policy firewall-service out
```

C)

```
vpn 10
service FW address 1.1.1.1
policy
lists
site-list firewall-sites
site-id 1
control-policy firewall-service
sequence 10
match route
site-id 2
action accept
set service FW vpn 20
default-action accept
apply-policy
site-list firewall-sites control-policy firewall-service out
```

D)

```
vpn 10
service FW address 1.1.1.2
policy
lists
site-list firewall-sites
site-id 1
control-policy firewall-service
sequence 10
match route
site-id 2
action accept
set service FW vpn 10
default-action accept
apply-policy
site-list firewall-sites control-policy firewall-service out
```

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

Answer: B

Explanation:

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

NEW QUESTION 441

How do WAN Edge devices operate when vSmart is inaccessible or fails to be reached by the WAN Edge?

- A. They cease to forward traffic in the data plane.
- B. They continue operation normally.
- C. They continue to receive reachability updates.
- D. They continue operating normally for a configurable time.

Answer: D

NEW QUESTION 442

Which two mechanisms are used by vManage to ensure that the certificate serial number of the WAN Edge router that is needed to authenticate is listed in the WAN Edge Authorized Serial Number List? (Choose two)

- A. Synchronize to the PnP
- B. Manually upload it to vManage
- C. The devices register to vManage directly as the devices come online
- D. The vManage is shipped with the list
- E. Synchronize to the Smart Account

Answer: BE

NEW QUESTION 444

Which SD-WAN component allows an administrator to manage and store software images for SD-WAN network elements?

- A. vGond controllers
- B. WAN Edge routers
- C. vSman controllers
- D. vManage NMS

Answer: D

NEW QUESTION 447

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 450

Which SD-WAN component detects path performance information in the organization to report the issue to the service provider at site ID:S4288T5E44F04?

- A. vAnalytics
- B. vManage NMS
- C. vBond Orchestrator
- D. Cisco DNA

Answer: B

NEW QUESTION 453

Refer to exhibit. An engineer is troubleshooting tear of control connection even though a valid CertificateSerialNumber is entered. Which two actions resolve Issue? (Choose two)

PEER PEER INSTANCE COLOR	PEER TYPE STATE	PEER PRIVATE PROTOCOL ERROR	PEER SYSTEM IP ERROR	SITE	DOMAIN PUBLIC ID COUNT	DOMAIN ID DOWNTIME	PRIVATE IP	LOCAL PORT	REMOTE PUBLIC IP	REPEAT PORT	REPEAT REMOTE
0 tear_down	vbond	dtls	0.0.0.0	9	0	0	192.168.0.231	12346	192.168.0.231	12346	default
CRTREJ SER NOERR 2019-06-01T19:06:32+0200											

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

Answer: BC

NEW QUESTION 456

Drag and drop the policies from the left onto the correct policy types on the right.

strict hub-and-spoke topology

perform shaping on traffic

service firewall insertion

prefer voice and video via MPLS link

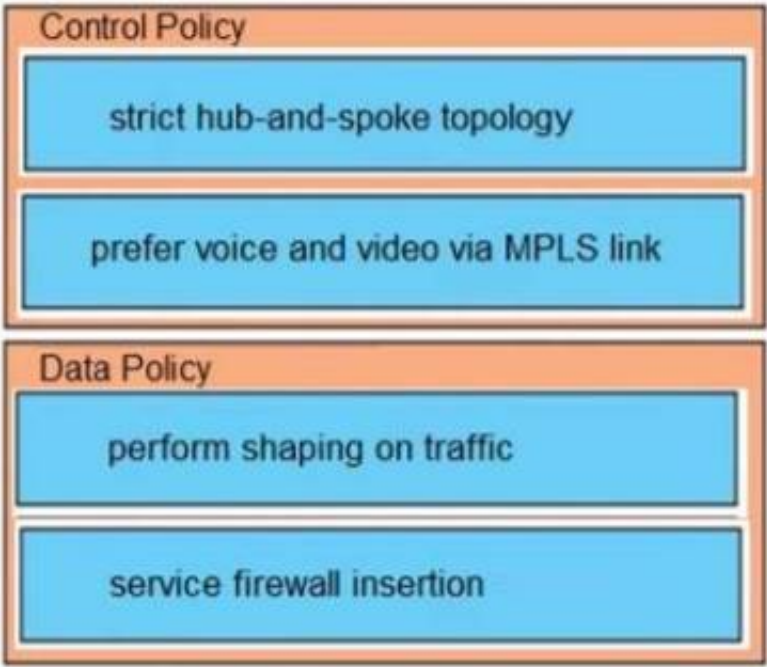
Control Policy

Data Policy

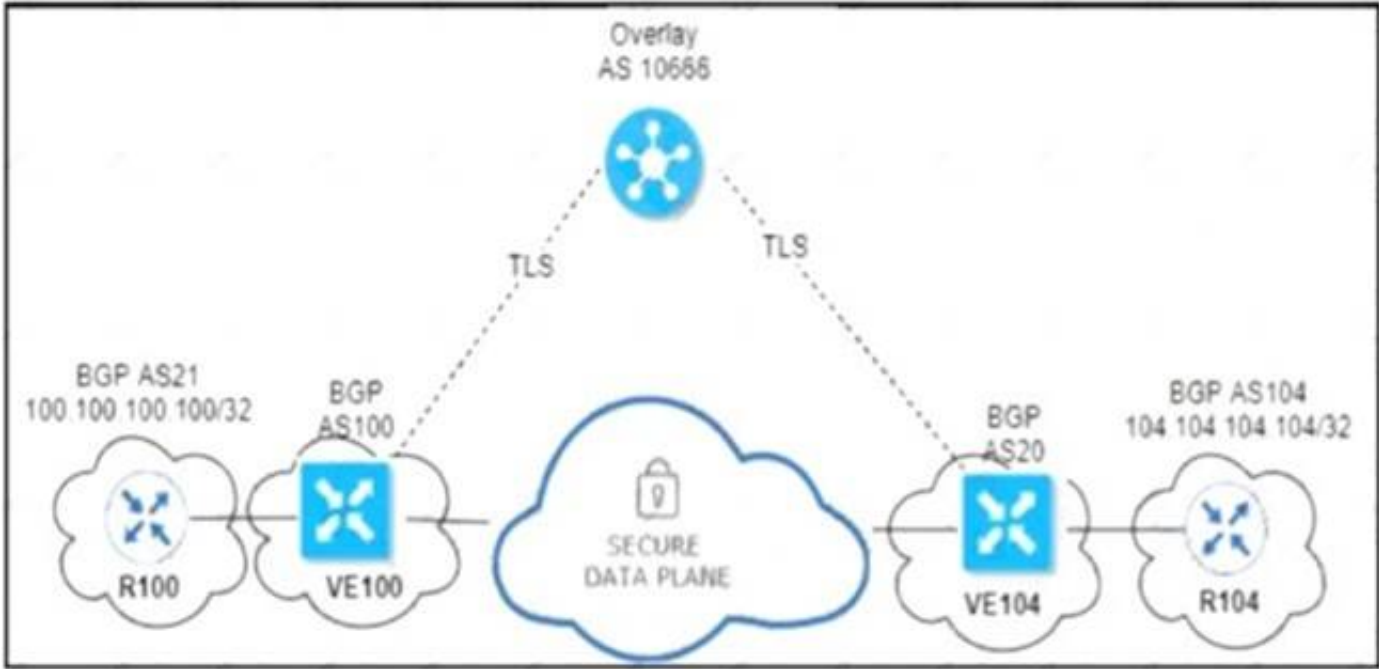
- A. Mastered
- B. Not Mastered

Answer: A

Explanation:



NEW QUESTION 457
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 460

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 464

Refer to the exhibit

PEER PRIVATE IP	PEER PRIVATE PORT	PEER PUBLIC IP	PEER PUBLIC PORT	REMOTE COLOR	STATE	LOCAL ERROR
10.0.2.73	23456	10.0.2.73	23456	default	trying	DCONFALL

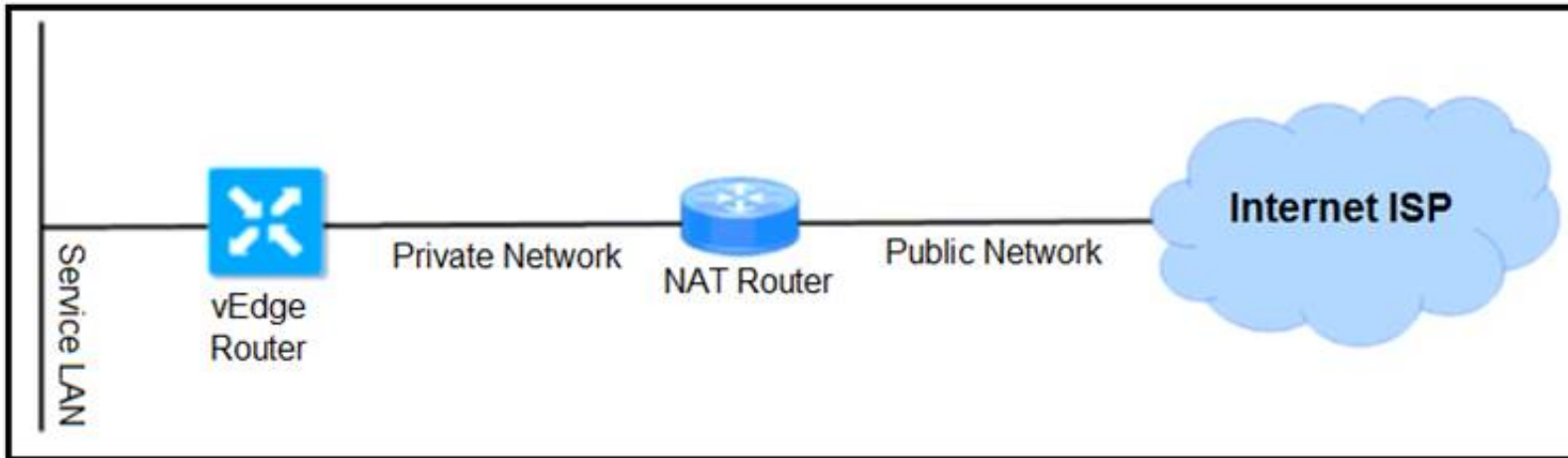
Cisco SD-WAN is deployed with controllers hosted in a data center All branches have WAN Edge devices with dual connections to the data center one via Internet and the other using MPLS Three branches out of 20 have issues with their control connections on MPLS circuit The local error refers to Control 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 468

Refer to the exhibit



Which NAT types must the engineer configure for the vEdge router to bring up the data plane tunnels?

- A. Enable Full Cone NAT on the vEdge interface
- B. Use public color on the TLOC
- C. Use private color on the TLOC
- D. Enable Symmetric MAT on the vEdge interface

Answer: A

NEW QUESTION 473

Which device information is required on PNP/ZTP to support the zero-touch onboarding process?

- A. serial and chassis numbers
- B. interface IP address
- C. public DNS entry
- D. system IP address

Answer: A

Explanation:

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

NEW QUESTION 476

Which OSPF command makes the WAN Edge router a less preferred exit from a site with a dual WAN Edge design?

A)

```

vpn vpn-id
router
ospf
area number
range prefix/length
  
```

B)

```

vpn vpn-id
router
ospf
max-metric
  
```

C)

```

vpn vpn-id
router
ospf
area number
no-summary
  
```

D)

```

vpn vpn-id
router
ospf
area number
nssa
no-summary
  
```

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

Answer: B

NEW QUESTION 480

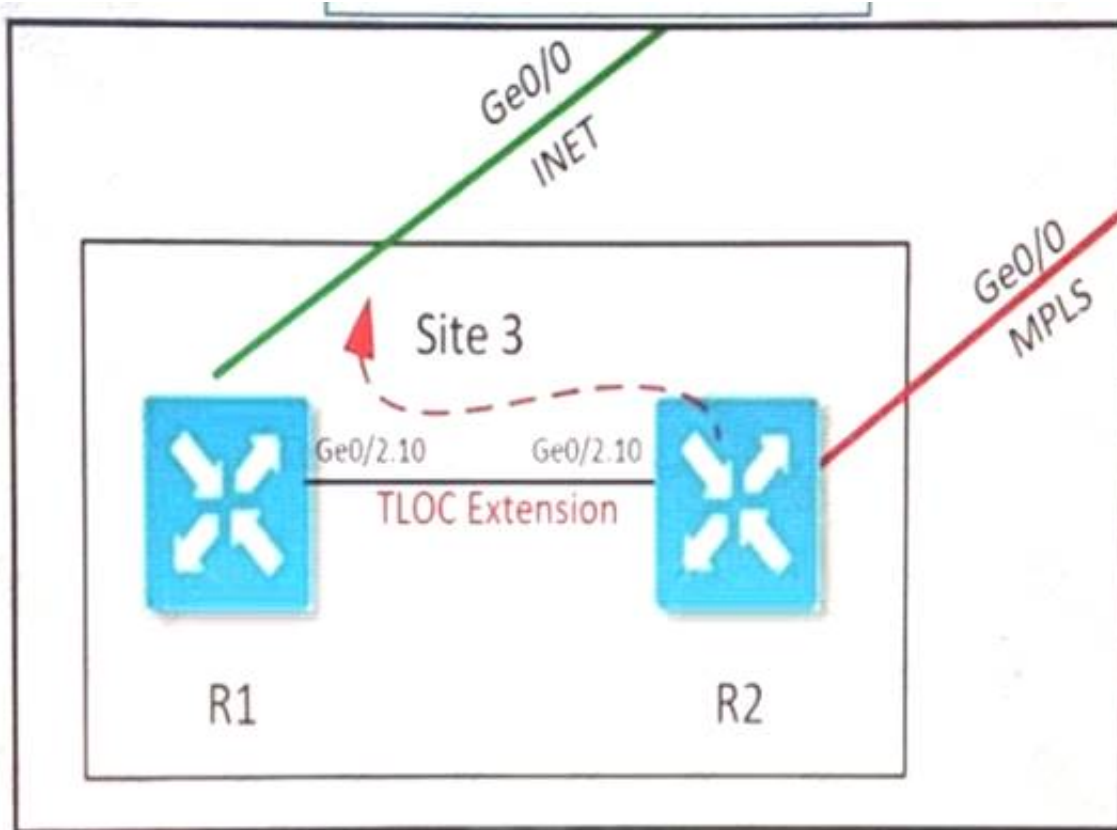
What is the procedure to upgrade all Cisco SD-WAN devices to a recent version?

- A. The upgrade is performed for a group of WAN Edge devices first to ensure data-plane availability when other controllers are updated.
- B. The upgrade is performed first on vManage, then on WAN Edge devices, then on vBond and finally on vSmart. The reboot must start from WAN Edge devices.
- C. Upgrade and reboot are performed first on vManage then on vBond then on vSmart
- D. and finally on the Cisco WAN Edge devices.
- E. Upgrade and reboot are performed first on vBond
- F. then on vSmart
- G. and finally on the Cisco WAN Edge devices.

Answer: C

NEW QUESTION 485

Refer to the exhibit.



Which configuration extends the INET interface on R1 to be used by R2 for control and data connections?

A)

```
R1
interface ge0/2
 no shutdown
interface ge0/2.10
 ip address 43.43.43 2/30
 tloc-extension ge0/0

R2
interface ge0/2
 no shutdown
interface ge0/2.10
 ip address 43.43.43 1/30
 tloc-extension ge0/0
```

B)

```
R1
interface ge0/2
interface ge0/2.10
 ip address 43.43.43 2/30
 tloc-extension ge0/0
 tunnel-interface
 color public-internet

R2
interface ge0/2
interface ge0/2.10
 ip address 43.43.43 1/30
 tunnel-interface
 color public-internet
```

C)

```
R1
interface ge0/2
mtu 1504
no shutdown
interface ge0/2.10
ip address 43.43.43.2/30
tloc-extension ge0/0

R2
interface ge0/2
mtu 1504
no shutdown
interface ge0/2.10
ip address 43.43.43.1/30
tunnel-interface
color public-internet
```

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

Answer: C

Explanation:

<https://www.ciscolive.com/c/dam/r/ciscolive/us/docs/2018/pdf/BRKRST-2091.pdf>

Subinterfaces require a physical, parent interface to be defined in VPN 0, and also require the subinterface MTU to be four bytes lower than the physical interface due to the 802.1q tag. It is recommended to configure the parent physical interface for an MTU of 1504 to take care of this requirement.

NEW QUESTION 488

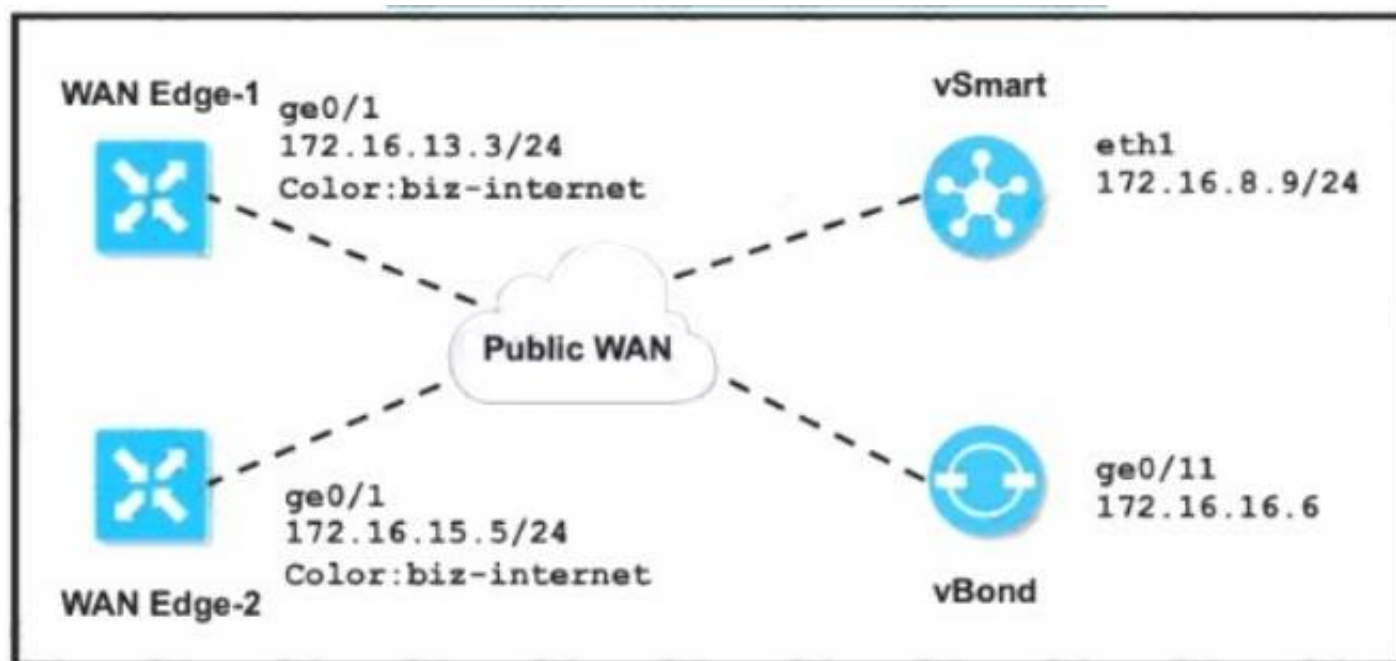
REST applications communicate over HTTP or HTTPS to make calls between network devices. Which two HTTPS standard methods are included? (Choose two.)

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

Answer: BC

NEW QUESTION 492

Refer to the exhibit.



The tunnel interface configuration on both WAN Edge routers is:

```
vpn 0
interface ge0/1
tunnel-interface
encapsulation ipsec
color biz-internet
allow-service dhcp
allow-service dns
allow-service icmp
no allow-service sshd
no allow-service ntp
no allow-service stun
!
no shutdown
```

Which configuration for WAN Edge routers will connect to the Internet?

```
vpn 0
interface ge0/1
ip address 172.16.16.5/24
!
ip route 0.0.0.0/0 172.16.13.1

vpn 0
interface ge0/1
ip address 172.16.13.3/24
!
ip route 0.0.0.0/0 172.16.13.1

vpn 0
interface ge0/1
ip address 172.16.13.3/24
!
ip route 0.0.0.0/0 172.16.8.1

vpn 0
interface ge0/1
ip address 172.16.16.5/24
!
ip route 0.0.0.0/0 172.16.8.1
```

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

Answer: B

Explanation:

https://sdwan-docs.cisco.com/Product_Documentation/Software_Features/SD-WAN_Release_16.3/02System_a

NEW QUESTION 497

An engineer must configure a centralized policy on a site in which all HTTP traffic should use the Public Internet circuit if the loss on this circuit is below 10%. otherwise MPLS should be used Which configuration wizard fulfils this requirement?

- A. Create Applications or Groups of Interest > Configure Traffic Rules > Apply Policies to Sites and VPNs
- B. Configure VPN Membership > Apply Policies to Sites and VPNs
- C. Create Applications or Groups of interest > Configure Traffic Data > Apply Policies to Sites and VPNs
- D. Configure Topology > Apply Policies to Sites and VPNs

Answer: A

NEW QUESTION 499

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 500

Which two protocols are supported for software image delivery when images are hosted on a remote server? (Choose two.)

- A. HTTPS
- B. SSL
- C. HTTP
- D. TFTP
- E. FTP

Answer: DE

NEW QUESTION 504

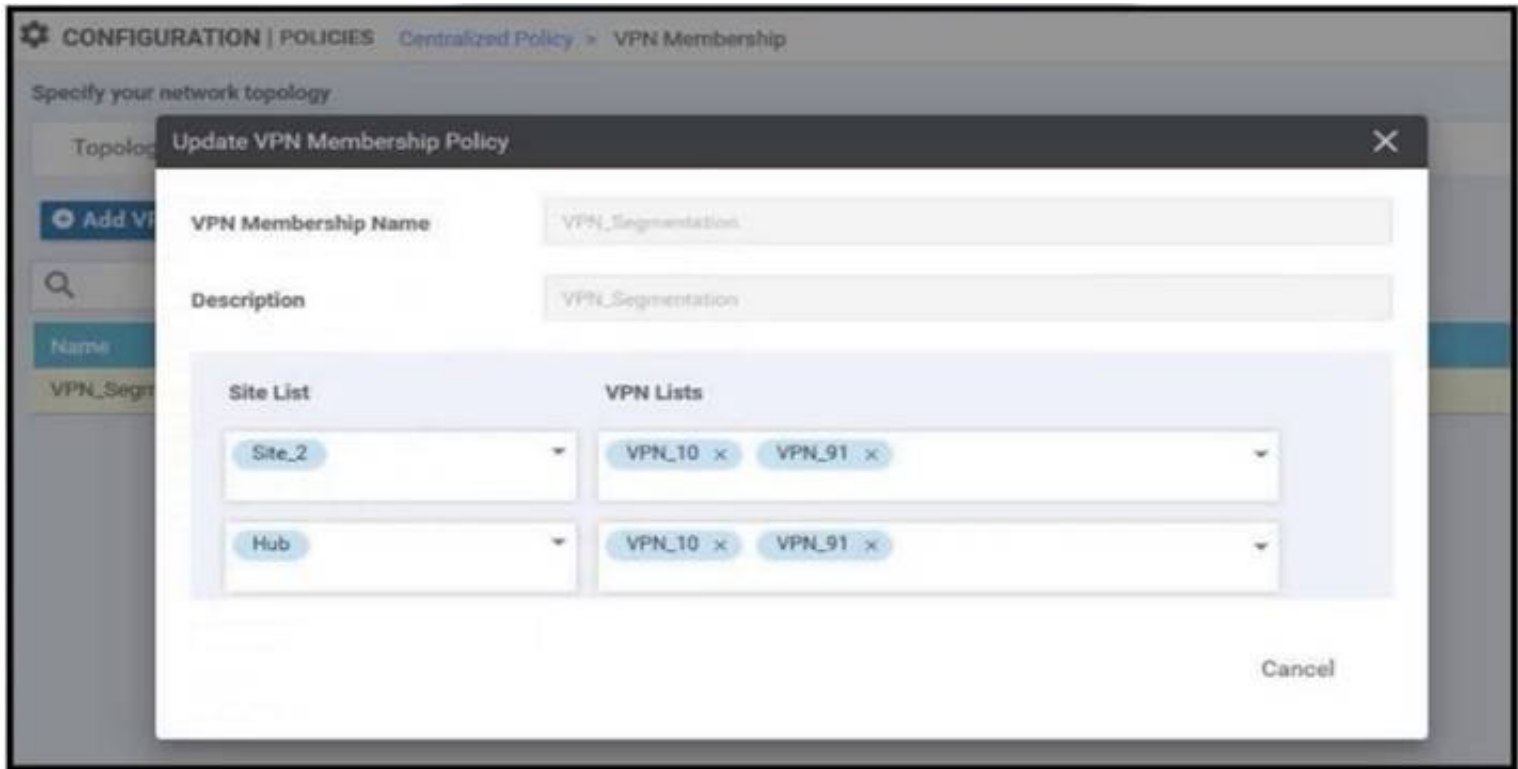
Which SD-WAN component is configured to enforce a policy to redirect branch-to-branch traffic toward a network service such as a firewall or IPS?

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

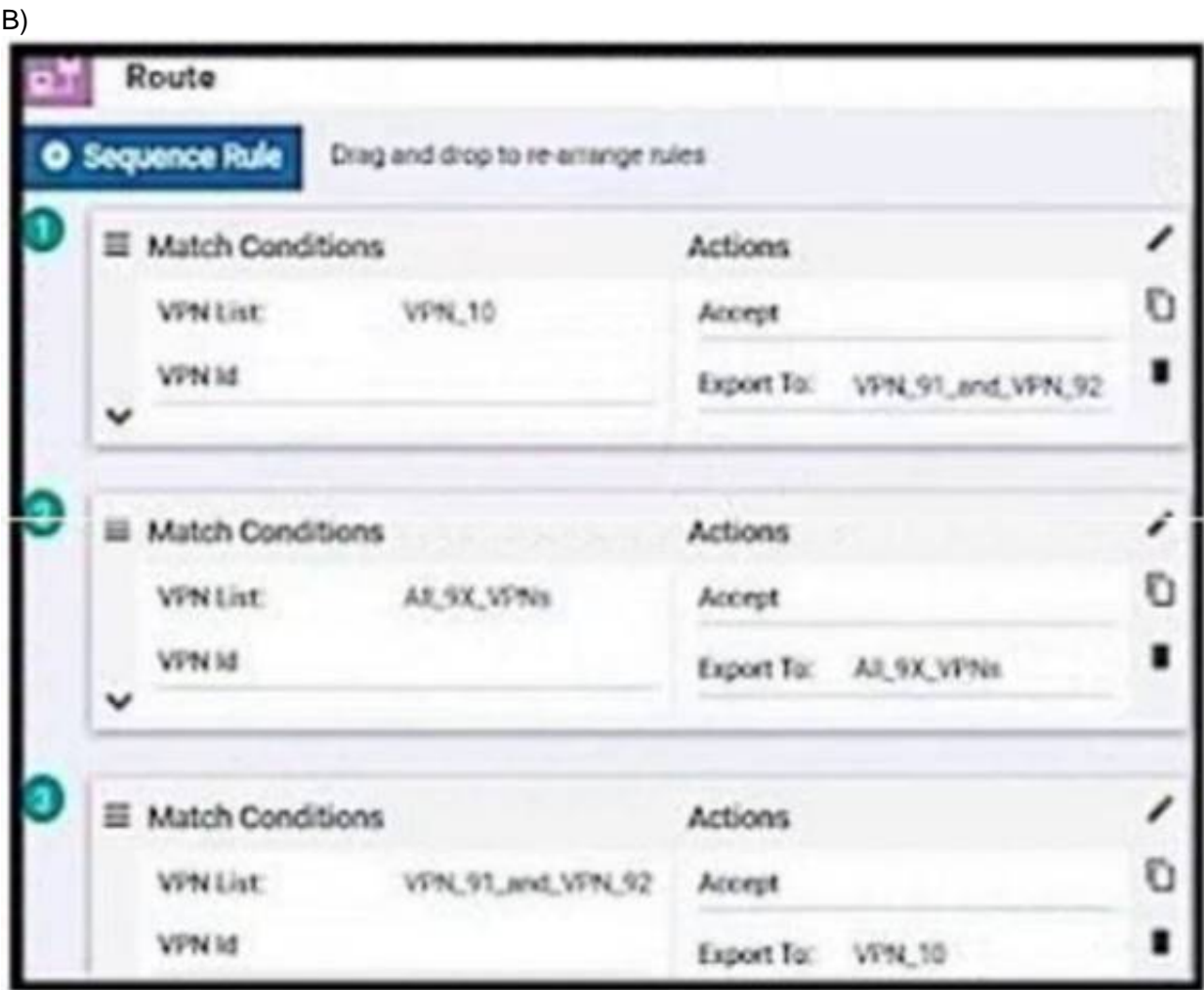
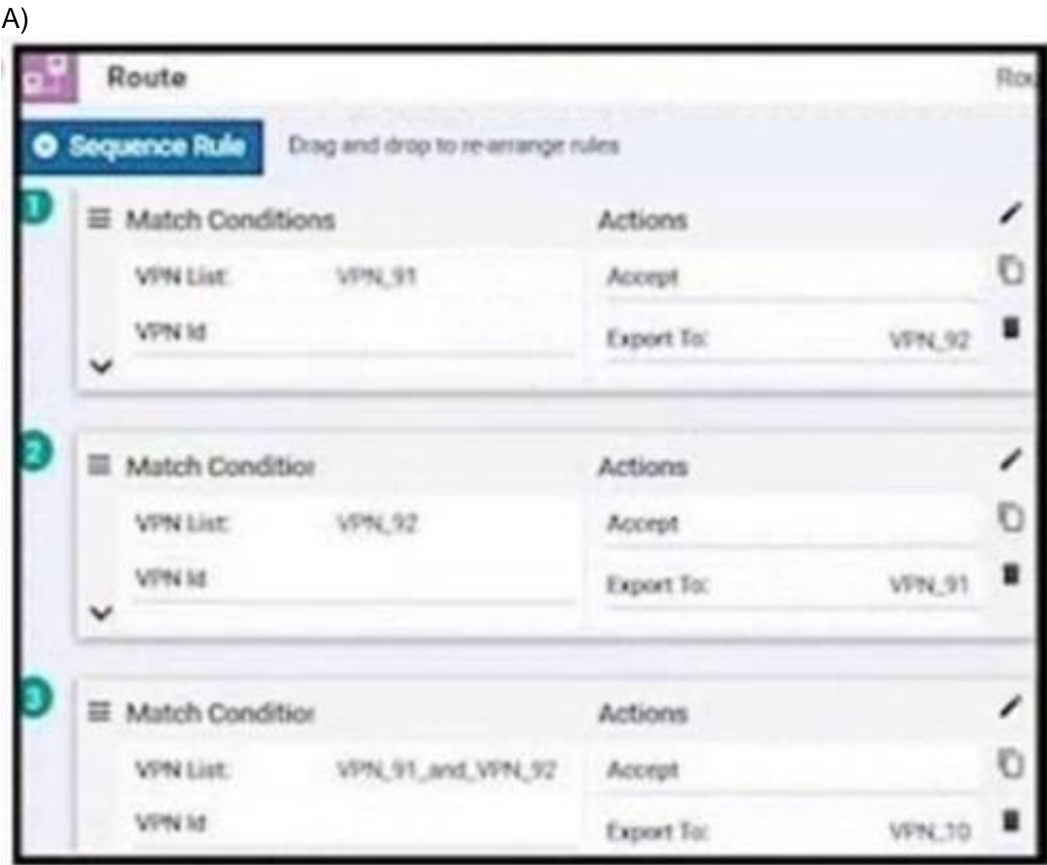
Answer: C

NEW QUESTION 507

Refer to the exhibit.



An enterprise has hub and spoke topology where it has several VPNs. An engineer must allow users in VPN91 to reach users in VPN92 and VPN10 to reach VPN91 and VPN92. Which configuration meets these requirements?



C)



D)



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

Answer: C

NEW QUESTION 508

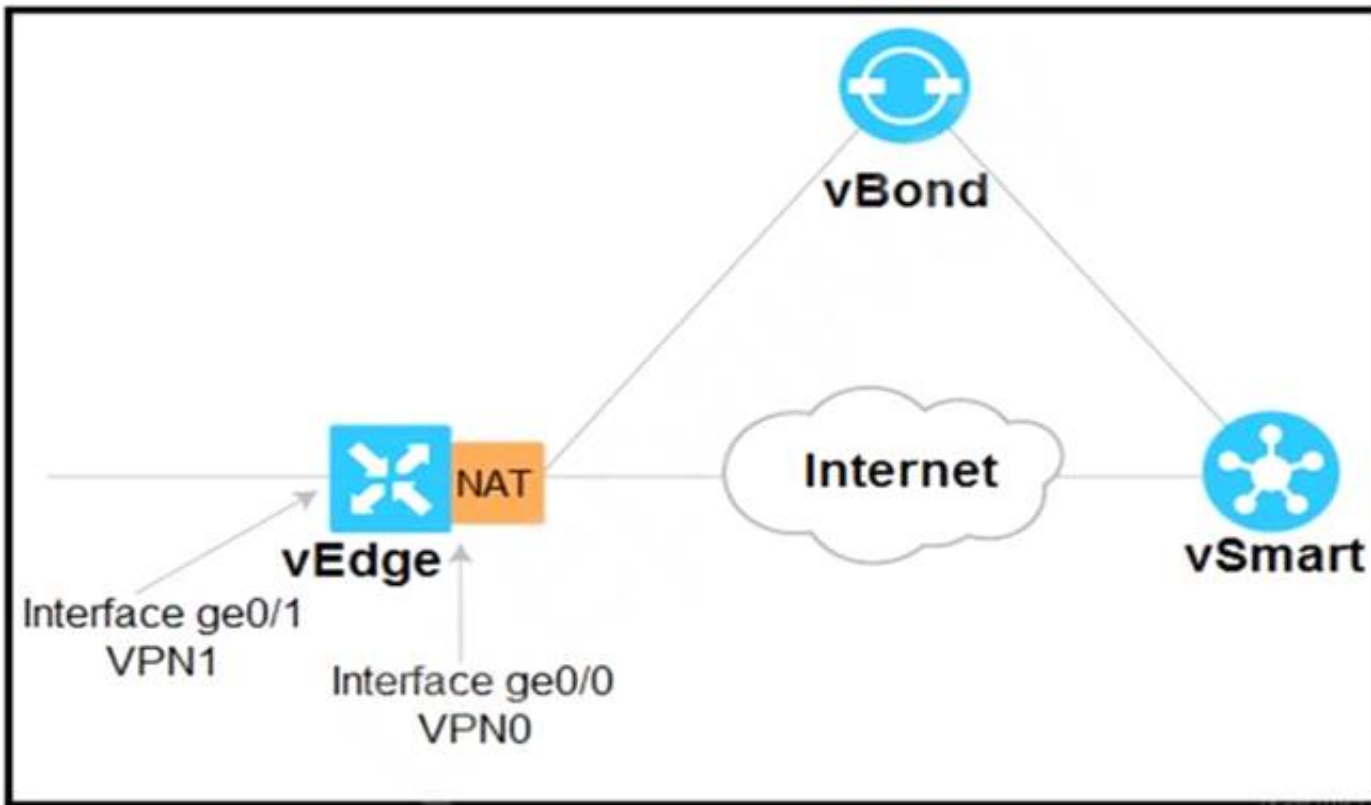
Which type of lists are used to group related items via an application-aware routing policy under the policy lists command hierarchy on vSmart controllers?

- A. data prefix, sh
- B. and VPN
- C. OSCP value, application, and VPN
- D. data prefix, application, and SLA class
- E. DSCP value, site, and VPN

Answer: C

NEW QUESTION 513

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 514

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