



Cisco

Exam Questions 300-415

Implementing Cisco SD-WAN Solutions (ENSDWI)

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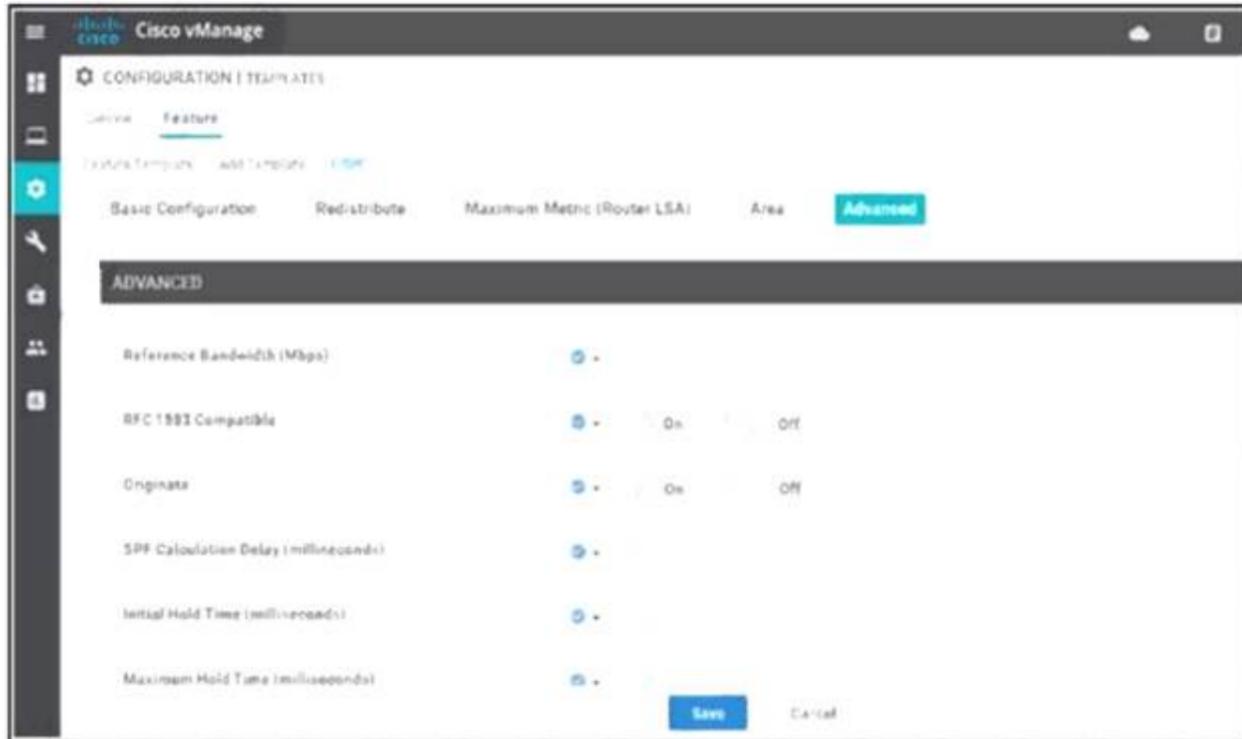
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NEW QUESTION 1

Refer to the exhibit.



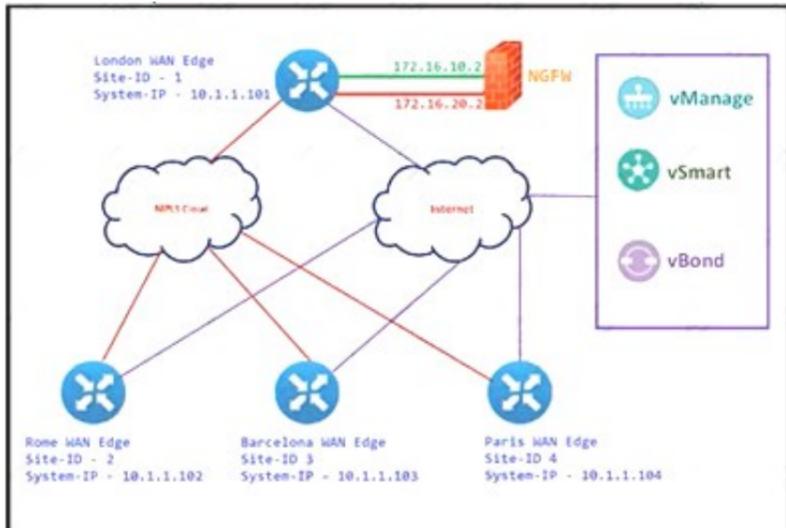
A network administrator is configuring OSPF advanced configuration parameters from a template using the vManager GUI for a branch WAN Edge router to calculate the cost of summary routes to an ASBR. Which action achieves this configuration?

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

Answer: C

NEW QUESTION 2

Refer to the exhibit.



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

- A)
- ```

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

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

```

B)

```

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

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

```

C)

```

○ ROME WAN Edge
 service FW address 10.1.1.101

PARIS WAN Edge
 service FW address 10.1.1.101

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

```

D)

```

○ ROME WAN Edge
 service FW address 10.1.1.101

PARIS WAN Edge
 service FW address 10.1.1.101

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

```

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

**Answer: A**

### NEW QUESTION 3

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)

CONFIGURATION | POLICIES [Localized Policy](#) > Route Policy

**+ Add Route Policy** (Add and Configure a Route Policy)

B)

CONFIGURATION | POLICIES [Centralized Policy](#) > Application Aware Routing Policy

Choose a tab and add Traffic rules under the selected type

Application Aware Routing Traffic Data Cflowd

**+ Add Policy** (Create an application-aware routing policy)

C)

CONFIGURATION | POLICIES [Localized Policy](#) > Forwarding Class/QoS

Add and Configure a QoS Map

QoS Map Policy Rewrite

**+ Add QoS Map** (Add and Configure QoS Map)

D)

CONFIGURATION | POLICIES [Localized Policy](#) > Access Control List Policy

**+ Add Access Control List Policy** **+ Add Device Access Policy**

E)

CONFIGURATION | POLICIES [Centralized Policy](#) > Data Policy

Choose a tab and add Traffic rules under the selected type

Application Aware Routing Traffic Data Cflowd

**+ Add Policy** (Create a data policy)

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

Answer: AC

**NEW QUESTION 4**

An engineer is configuring a centralized policy to influence network route advertisement. Which controller delivers this policy to the fabric?

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

Answer: A

**Explanation:**

vSmart controllers are the centralized brain of the solution; they implement policies and connectivity between SD-WAN branches. The centralized policy engine in Cisco vSmart controllers provides policy constructs to manipulate routing information, access control, segmentation, extranets, and service chaining.

**NEW QUESTION 5**

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

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

**Answer:** AC

**NEW QUESTION 6**

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 7**

Refer to the exhibit, which configuration configures IPsec tunnels in active and standby?

```

from-vsmart data-policy_1_ServiceInsertionIPSec
direction from-service
vpn-list 1
 sequence 1
 match destination-ip 64.102.6.247/32
 action accept
 set
 service netsvc1
 service local
 default-action accept

```

- vpn 1  
 service netsvc1 interface ipsec1 ipsec2  
  
 vpn-list 1  
   count ServicePsec1\_275676046  
 from-vsmart lists vpn-list 1  
 vpn 1
- vpn 0  
 service netsvc1 interface ipsec1 ipsec2  
  
 from-vsmart lists vpn-list 0  
 vpn 0
- vpn 1  
 service netsvc1 interface ipsec1 ipsec2  
  
 from-vsmart lists vpn-list 1  
 vpn 1
- vpn 0  
 service netsvc1 interface ipsec1 ipsec2  
  
 vpn-list 1  
   count ServicePsec1\_275676046  
 from-vsmart lists vpn-list 0  
 vpn 0

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

**Answer:** C

**NEW QUESTION 8**

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 9

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

- A. CSR is the WAN Edge device that is supported in the Microsoft cloud
- B. The Microsoft underlay cloud fabric performs the management function.
- C. There must be three subnets in VNet: management, public, and services.
- D. One public subnet is required in VNet
- E. The Microsoft underlay cloud fabric performs all of the routing functions for WAN Edge.
- F. Public and services subnets are required in VNet
- G. The Microsoft underlay cloud fabric performs the management function.

**Answer:** D

#### NEW QUESTION 10

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

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

**Answer:** CD

#### Explanation:

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

#### NEW QUESTION 10

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

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

**Answer:** AE

#### NEW QUESTION 14

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 19

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 24

What are the two protocols redistributed into OMP? (Choose two.)

- A. OSPF
- B. RIP
- C. LDP
- D. RSVP
- E. EIGRP

**Answer:** AE

#### Explanation:

## Supported Protocols

This section explains the protocols supported for unicast routing.

- [OMP Routing Protocol](#)
- [BGP and OSPF Routing Protocols](#)
- [OSPFv3](#)
- [EIGRP](#)

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

### NEW QUESTION 28

Which policy configuration must be used to classify traffic as it enters the branch WAN Edge router to be put into the desired output queue?

A)

**Policy**

```
class-map
class p1 queue 2
```

B)

```
qos-map Q_Map
qos-scheduler p1
```

C)

**Policy**

```
qos-scheduler QOS
class p1
bandwidth-percent 20
buffer-percent 20
drops red-drop
```

D)

**Policy**

```
access-list QoS
sequence 1
match
destination-ip 10.0.0.0/8
!
action accept
class p1
```

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

**Answer: D**

### NEW QUESTION 29

What are two benefits of installing Cisco SD-WAN controllers on cloud-hosted services? (Choose two.)

- A. utilizes well-known cloud services such as Azure
- B. AWS
- C. and GCP
- D. accelerates Cisco SD-WAN deployment
- E. allows integration of the WAN Edge devices in the cloud
- F. installs the controllers in two cloud regions in a primary and backup setup
- G. automatically implements zone-based firewalling on the controllers

**Answer: BD**

### NEW QUESTION 33

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/cnrxn-cisco-sd-wan-and-umbrella.pdf?la=en>

### NEW QUESTION 36

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

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

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

**Answer:** D

### NEW QUESTION 41

Which component is used for stateful inspection of TCP, UDP, and ICMP flows in Cisco SD-WAN firewall policies?

- A. zones
- B. sites
- C. subnets
- D. interfaces

**Answer:** A

### NEW QUESTION 46

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

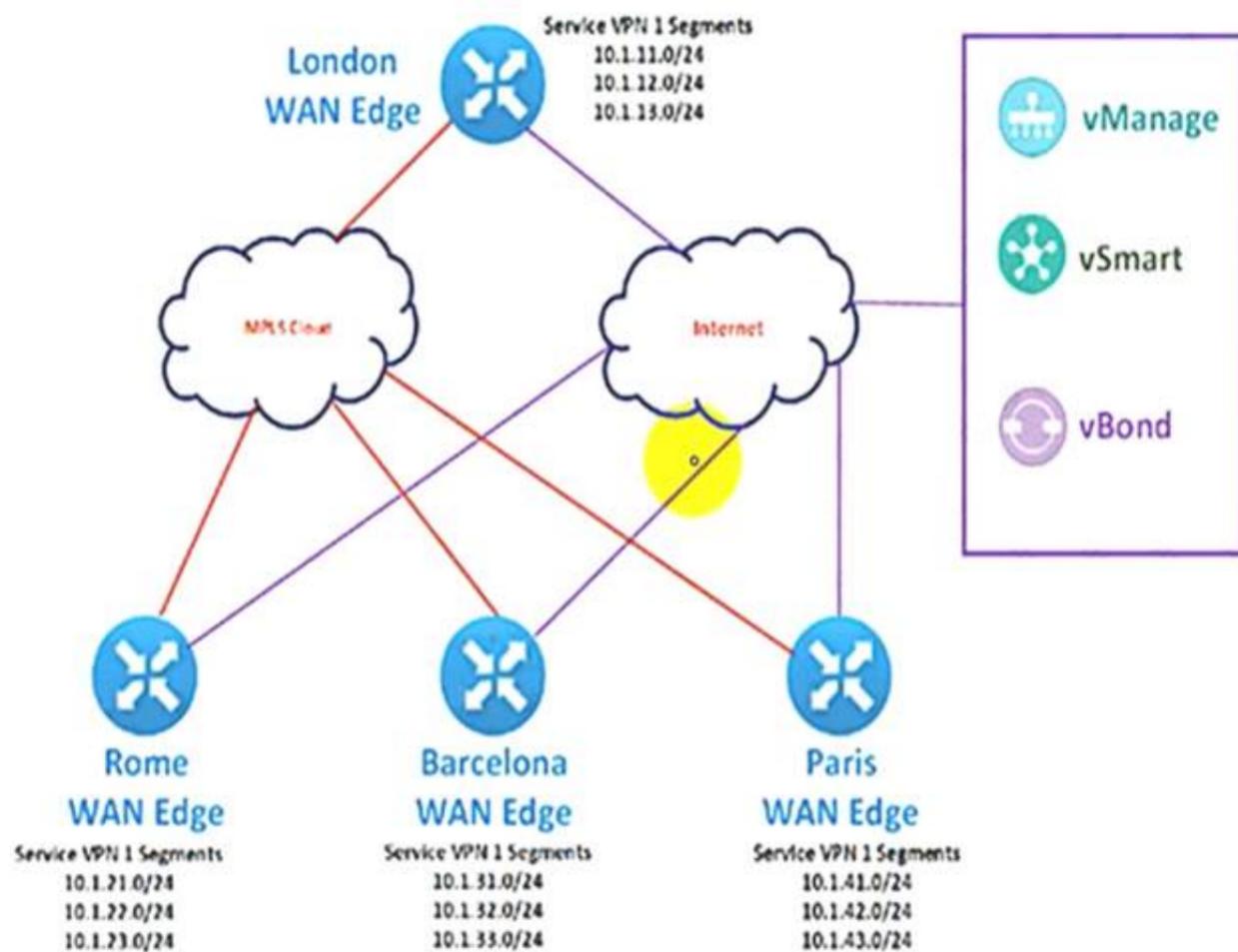
### NEW QUESTION 51

A network administrator configures SNMPv3 on a Cisco WAN Edge router from CLI 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 53**  
 Refer to the exhibit.



The Cisco SD-WAN network is configured with a default full-mesh topology. An engineer wants Paris WAN Edge to use the Internet HOC as the preferred TLOC for MSN Messenger and AOL Messenger traffic. Which policy achieves this goal?

A)

B)

C)

D)

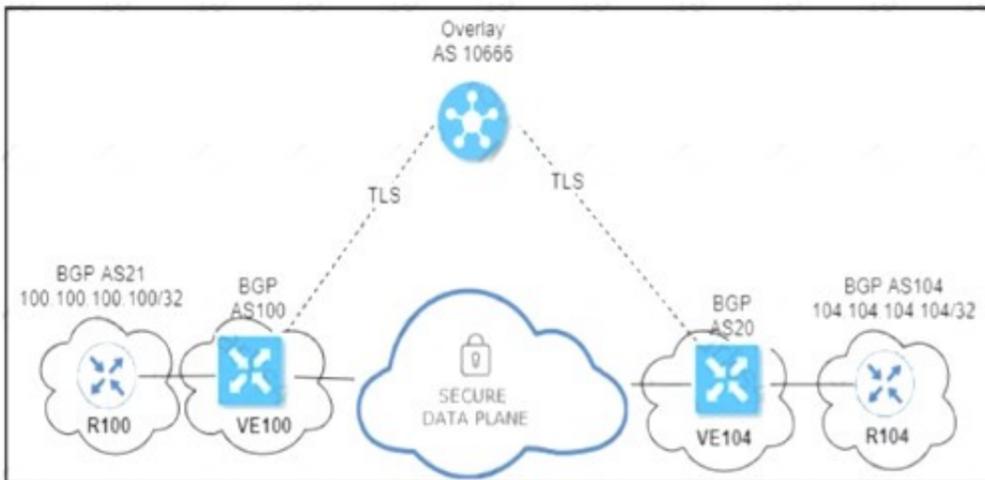


- A. Option A
- B. Option B
- C. Option C
- D. Option D

**Answer:** A

**NEW QUESTION 57**

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

**Answer:** A

**NEW QUESTION 61**

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 66**

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?

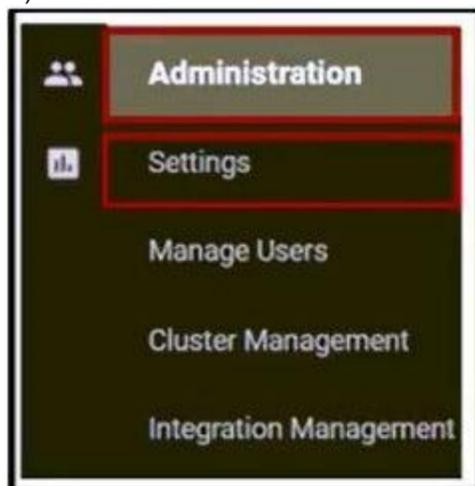
A)



B)



C)



D)



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

**Answer: B**

**NEW QUESTION 71**

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

A)

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

B)

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

C)

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

D)

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

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

**Answer: C**

#### NEW QUESTION 73

Which pathway under Monitor > Network > Select Device is used to verify service insertion configuration?

- A. System Status
- B. Troubleshooting
- C. Real Time
- D. Events

**Answer: B**

#### NEW QUESTION 74

Which routing protocol has the highest default administrative distance?

- A. OMP
- B. external EIGRP
- C. IS-IS
- D. IBGP

**Answer:** A

#### NEW QUESTION 78

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 83

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

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

**Answer:** C

#### Explanation:

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

#### NEW QUESTION 86

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

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

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

D)

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

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

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

**Answer:** B

**Explanation:**

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

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

**NEW QUESTION 89**

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 90**

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 95**

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

**NEW QUESTION 98**

What is the default value for the number of paths advertised per prefix in the OMP feature template?

- A. 4
- B. 8
- C. 12
- D. 16

**Answer:** C

**NEW QUESTION 101**

A company deploys a Cisco SD-WAN solution but has an unstable Internet connection. When the link to vSmart comes back up, the WAN Edge router routing table is not refreshed, and some traffic to the destination network is dropped. The headquarters is the hub site, and it continuously adds new sites to the SD-WAN network. An engineer must configure route refresh between WAN Edge and vSmart within 2 minutes. Which configuration meets this requirement?

- omp  
no shutdown  
graceful-restart  
timers  
eor-timer 120
- omp  
no shutdown  
no graceful-restart
- omp  
no shutdown  
graceful-restart  
timers  
holdtime 120
- omp  
no shutdown  
graceful-restart  
timers  
advertisement-interval 120

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

**Answer:** A

**NEW QUESTION 106**

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 107**

Which protocol advertises WAN edge routes on the service side?

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

Answer: B

**NEW QUESTION 110**

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

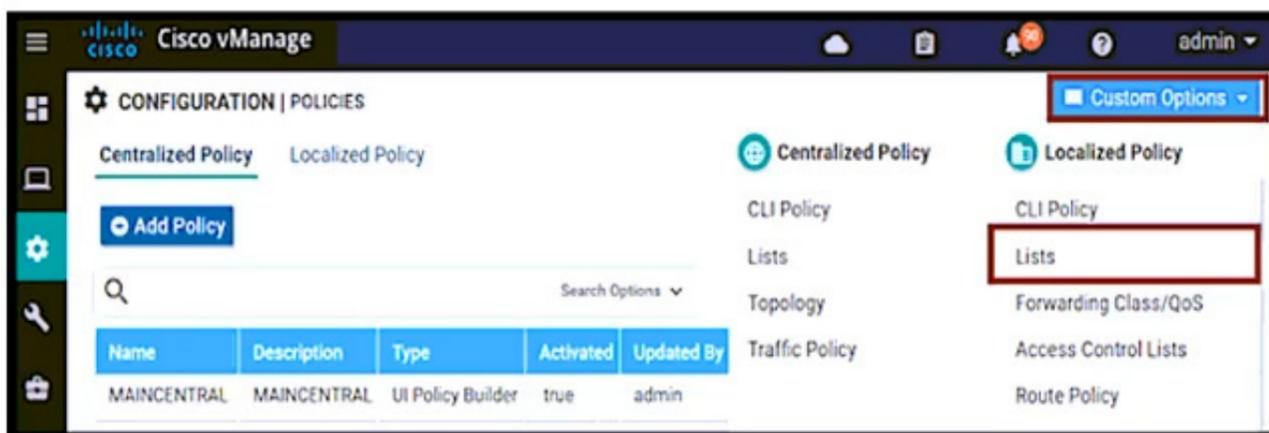
- A. interface IP address
- B. system IP address
- C. public DNS entry
- D. serial and chassis numbers

Answer: D

**NEW QUESTION 115**

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

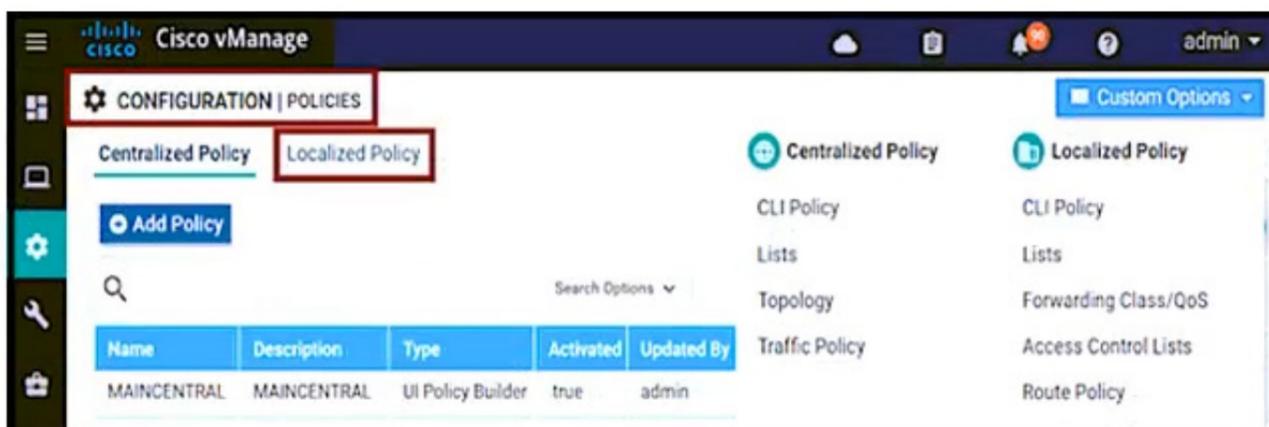
A)



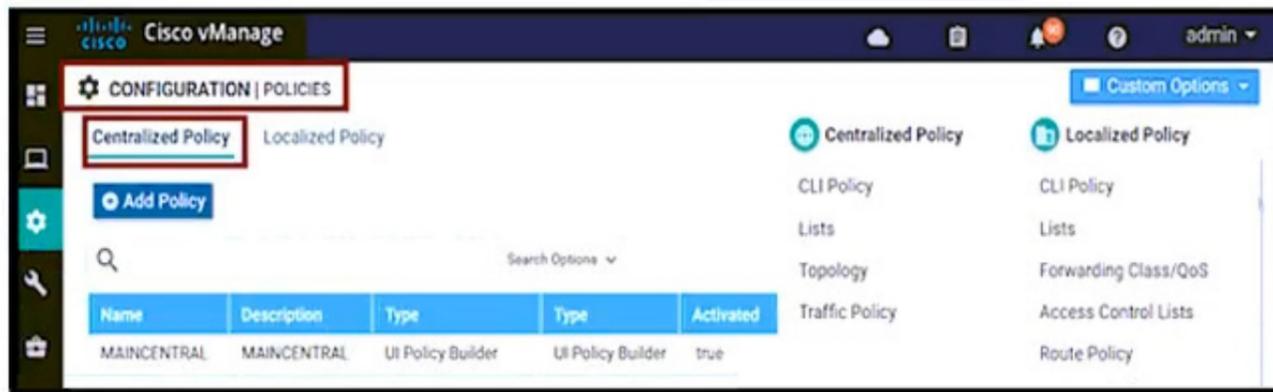
B)



C)



D.



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

**Answer:** A

**NEW QUESTION 116**

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 119**

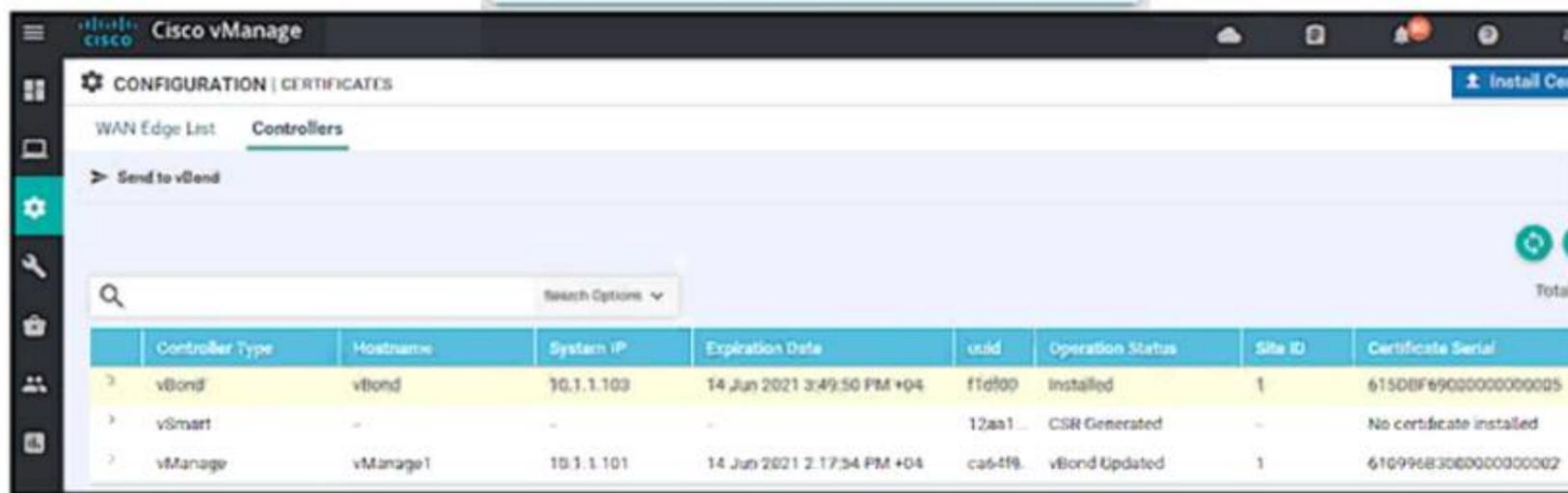
An engineer is troubleshooting a certificate issue on vEdge. Which command is used to verify the validity of the certificates?

- A. show control local-properties
- B. show control summary
- C. show certificate installed
- D. show certificate status

**Answer:** A

**NEW QUESTION 122**

Refer to the exhibit



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

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

**Answer:** CD

**NEW QUESTION 126**

Refer to the exhibit.

| LOCAL         | PEER<br>REMOTE | PEER<br>REPEAT | PEER    | SITE  | DOMAIN                   | PEER       | PEER<br>PRIVATE | PEER      | PEER<br>PUBLIC |
|---------------|----------------|----------------|---------|-------|--------------------------|------------|-----------------|-----------|----------------|
| INSTANCE TYPE | PROTOCOL       | SYSTEM IP      | IP      | ID    | ID                       | PRIVATE IP | PORT            | PUBLIC IP | PORT           |
| REMOTE COLOR  | STATE          | ERROR          | ERROR   | COUNT | DOWNTIME                 |            |                 |           |                |
| 0             | vsmart         | tls            | 1.1.1.3 | 100   | 1                        | 100.1.1.3  | 23456           | 100.1.1.3 | 23456          |
| default       | trying         | DCONFAIL       | 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 128**

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 133**

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 135**

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

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

**Answer: C**

**NEW QUESTION 140**

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 142**

Which storage format is used when vManage is deployed as a virtual machine on a KVM hypervisor?

- A. .iso
- B. .qcow2
- C. .ova
- D. .tgz

**Answer: B**

#### NEW QUESTION 146

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 147

What is a default protocol for control plane connection?

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

**Answer:** D

#### NEW QUESTION 148

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 151

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 153

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

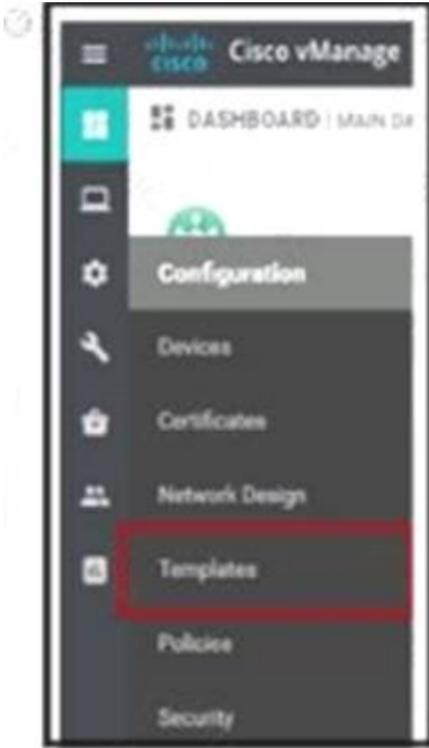
- A. certificates, organization name and serial number of the device
- B. organization name serial number and system IP of the device
- C. certificates, organization name, and vBond domain
- D. certificates, system IP, and vBond domain

**Answer:** A

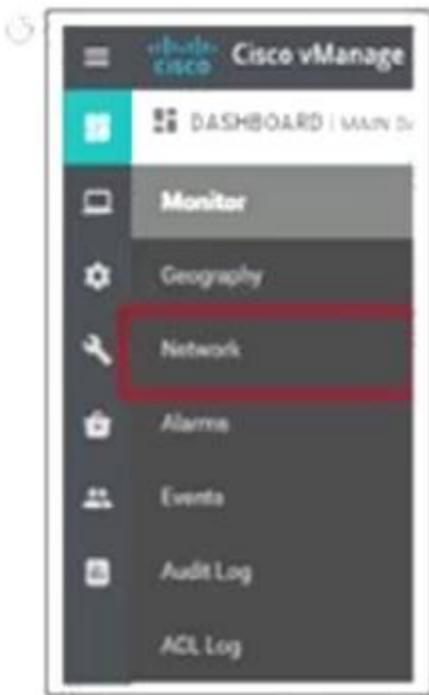
#### NEW QUESTION 155

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

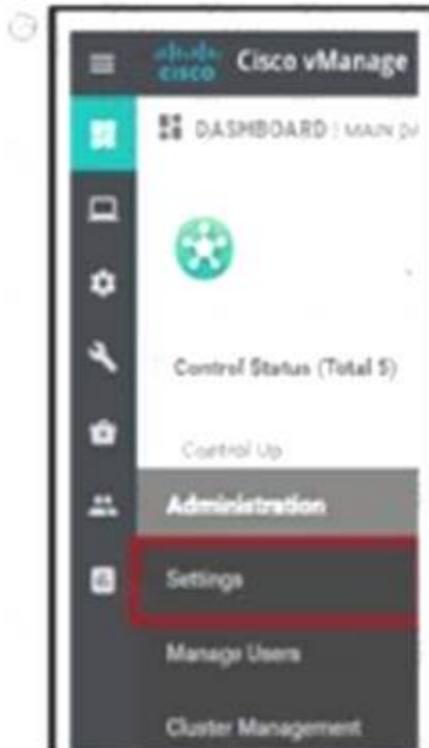
A)



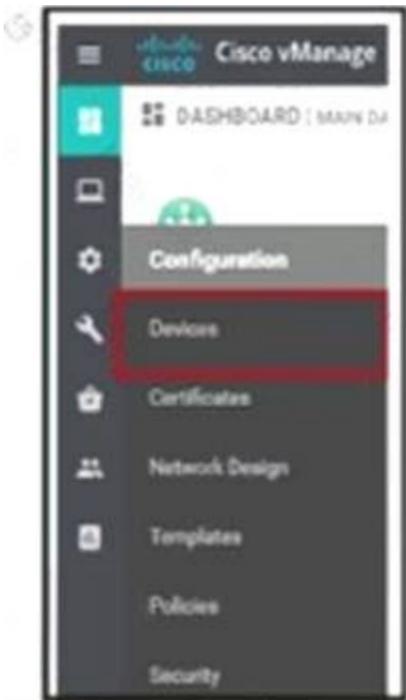
B)



C)



D)



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

**Answer: D**

**Explanation:**

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

**NEW QUESTION 158**

Which plane builds and maintains the network topology and makes decisions on traffic flows?

- A. orchestration
- B. management
- C. control
- D. data

**Answer: C**

**NEW QUESTION 163**

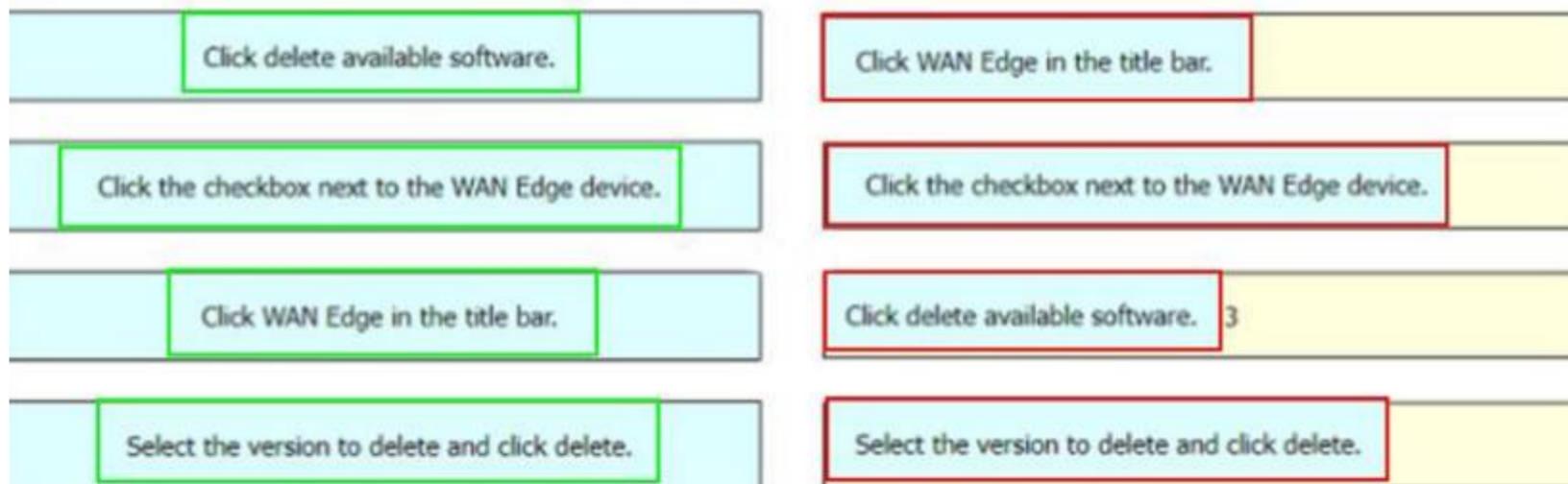
Drag and drop the steps from the left into the order on the right to delete a software image for a WAN Edge router starting with Maintenance > Software Upgrade > Device list on vManage.

|                                                 |        |
|-------------------------------------------------|--------|
| 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:**



**NEW QUESTION 165**

What is the threshold to generate a warning alert about CPU or memory usage on a WAN Edge router?

- A. 70 to 85 percent
- B. 70 to 90 percent
- C. 75 to 85 percent
- D. 75 to 90 percent

**Answer: C**

**NEW QUESTION 169**

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

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

**Answer: B**

**Explanation:**

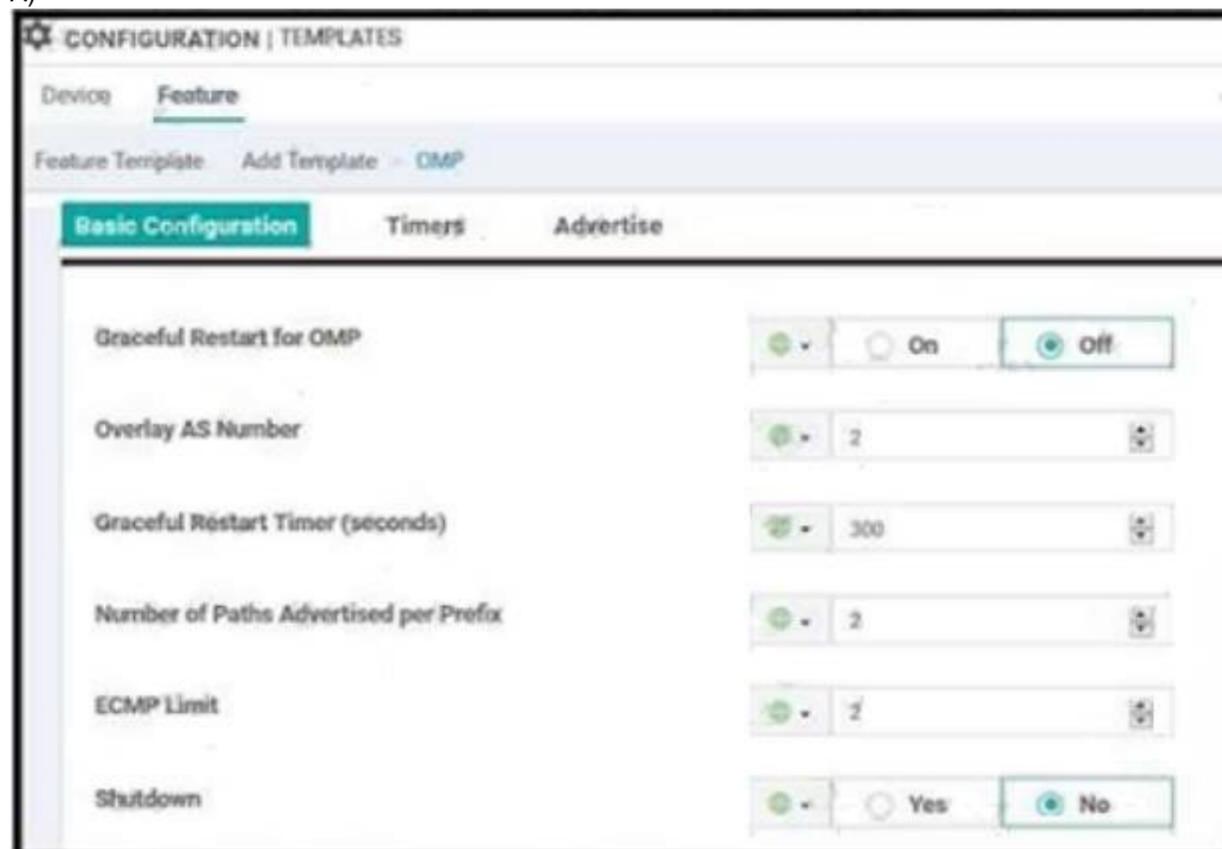
In the Add Tenant window:

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

**NEW QUESTION 171**

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)



B)

Feature Template Add Template OMP

**Basic Configuration** Timers Advertise

Graceful Restart for OMP  On  Off

Overlay AS Number

Graceful Restart Timer (seconds)

Number of Paths Advertised per Prefix

ECMP Limit

Shutdown  Yes  No

CONFIGURATION | TEMPLATES

Device Feature

Feature Template Add Template OMP

**Basic Configuration** Timers Advertise

Graceful Restart for OMP  On  Off

Overlay AS Number

Graceful Restart Timer (seconds)

Number of Paths Advertised per Prefix

ECMP Limit

Shutdown  Yes  No

CONFIGURATION | TEMPLATES

Device Feature

Feature Template Add Template OMP

**Basic Configuration** Timers Advertise

Graceful Restart for OMP  On  Off

Overlay AS Number

Graceful Restart Timer (seconds)

Number of Paths Advertised per Prefix

ECMP Limit

Shutdown  Yes  No

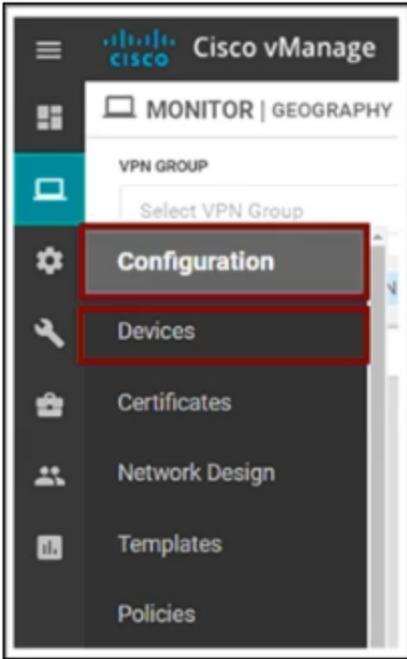
- A. Option A
- B. Option B
- C. Option C
- D. Option D

Answer: D

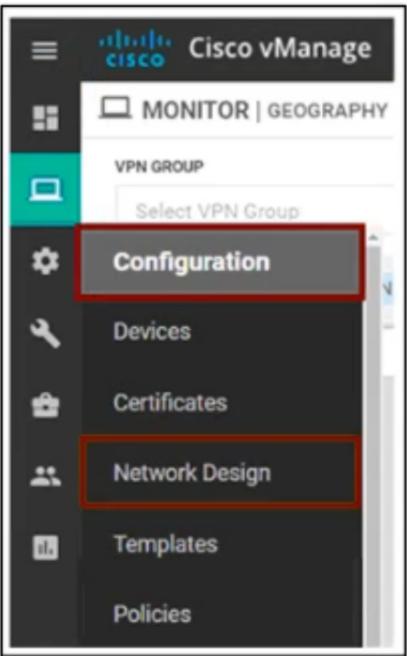
**NEW QUESTION 175**

The Cisco SD-WAN engineer is configuring service chaining for a next-generation firewall located at the headquarters. Which configuration creates the service?

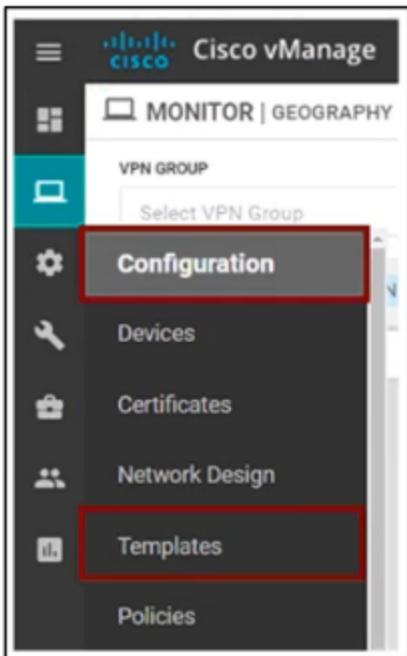
A)



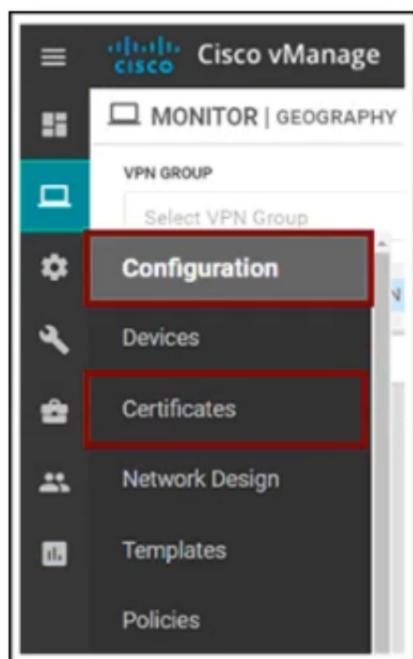
B)



C)



D)



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

**Answer:** C

**NEW QUESTION 180**

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 184**

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 185**

Which logs verify when a device was upgraded?

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

**Answer:** A

**NEW QUESTION 187**

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

A)

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

B)

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

C)

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

D)

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

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

**Answer: B**

### NEW QUESTION 188

Which feature template configures OMP?

A)

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

B)

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

C)

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

D)

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

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

**Answer: B**

**NEW QUESTION 190**

How is TLOC defined?

- A. It is represented by a unique identifier to specify a site in as SD-WAN architecture.
- B. It specifies a Cisco SD-WAN overlay in a multitenant vSMART deployment.
- C. It is a unique collection of GRE or iPsec encapsulation, link color, and system IP address.
- D. It is represented by group of QoS policies applied to a WAN Edge router.

**Answer: C**

**NEW QUESTION 193**

Refer to the exhibit.

```

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

```

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

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

**Answer: C**

**NEW QUESTION 197**

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 202**

How should the IP addresses be assigned for all members of a Cisco vManage cluster located in the same data center?

- A. in the same subnet
- B. in overlapping IPs
- C. in each controller with a /32 subnet
- D. in different subnets

**Answer: A**

**NEW QUESTION 206**

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 207**

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_vpns
vpn 2-100
!
!
vpn-membership restrict_1
sequence 10
match vpn-list restricted_vpns
action reject
!
!
default-action accept
!
!

```

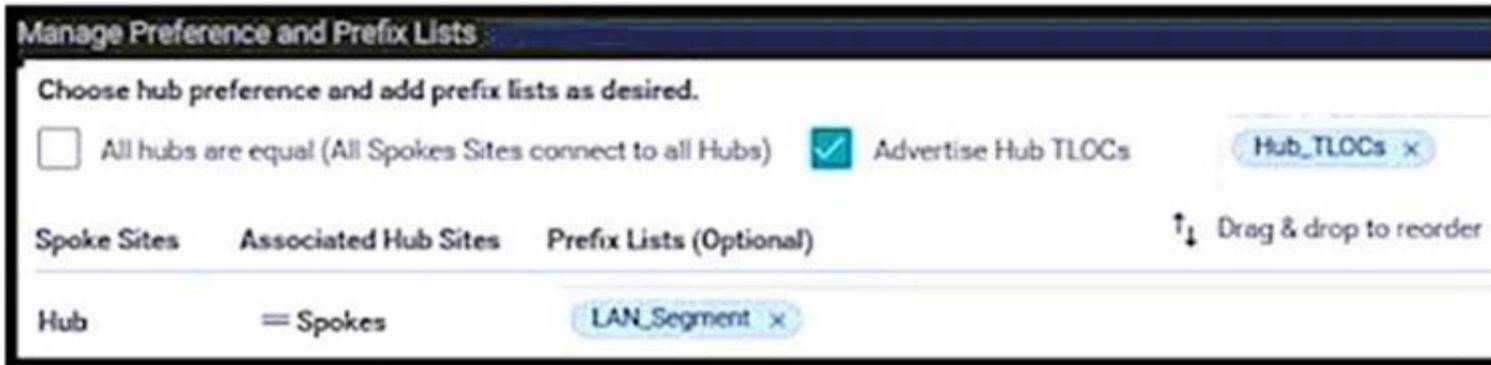
- A. Option A
- B. Option B
- C. Option C
- D. Option D

**Answer: C**

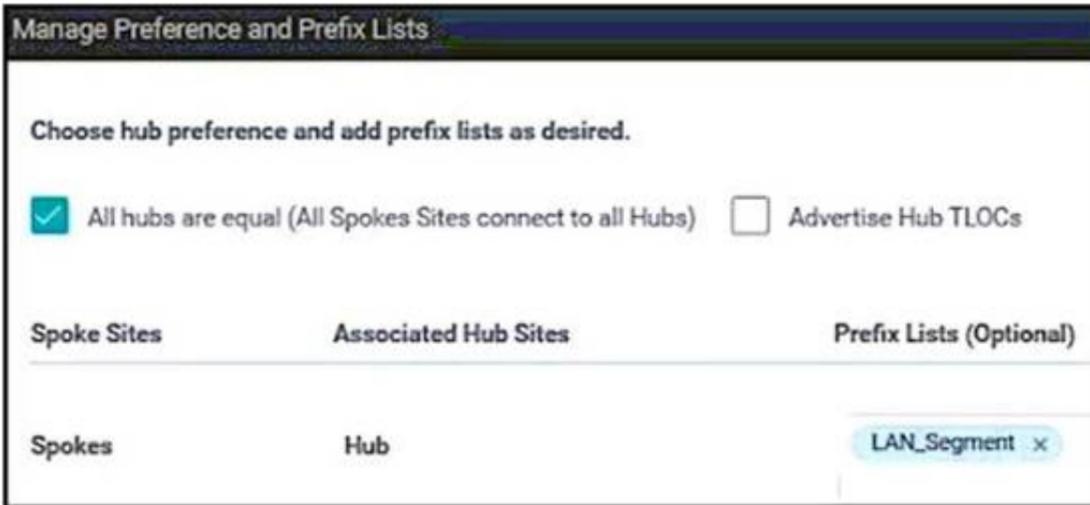
**NEW QUESTION 209**

After deploying Cisco SD-WAN the company realized that by default, all sites built direct IPsec VPN tunnels to each other In their previous topology all spoke sites used the head office as their next hop for the LAN segment that belongs to network 40.0.0.0/16 The company wants to deploy its previous policy, which allows the 40.0.0.0/16 network that originates at the hub to advertise to the spokes. Which configuration meets the requirement'?

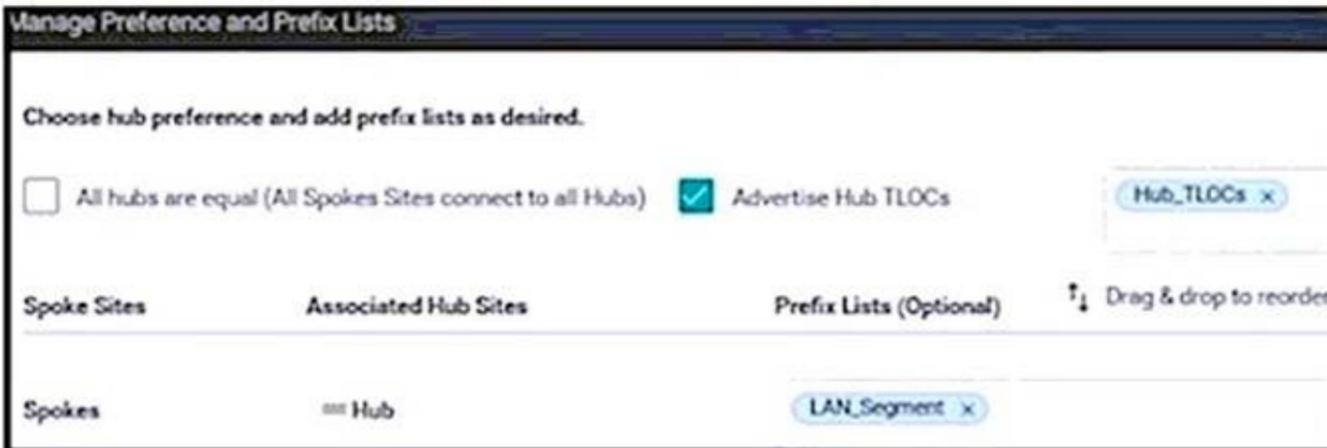
A)



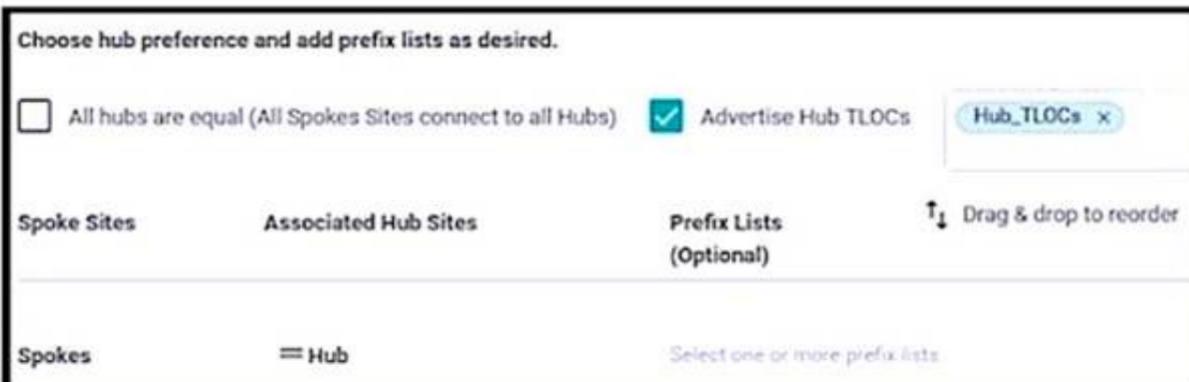
B)



C)



D)



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

Answer: D

**NEW QUESTION 214**

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 216**

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 217**

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

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

**Answer:** B

**Explanation:**

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

**NEW QUESTION 220**

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

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

**Answer:** D

**Explanation:**

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

**NEW QUESTION 222**

Which percentage for total memory or total CPU usage for a device is classified as normal in the WAN Edge Health pane?

- A. more than 80 percent usage
- B. less than 70 percent usage
- C. between 70 to 90 percent usage
- D. more than 90 percent usage

**Answer:** B

**NEW QUESTION 227**

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





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

**Answer:** AB

**Explanation:**

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

**NEW QUESTION 229**

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 230**

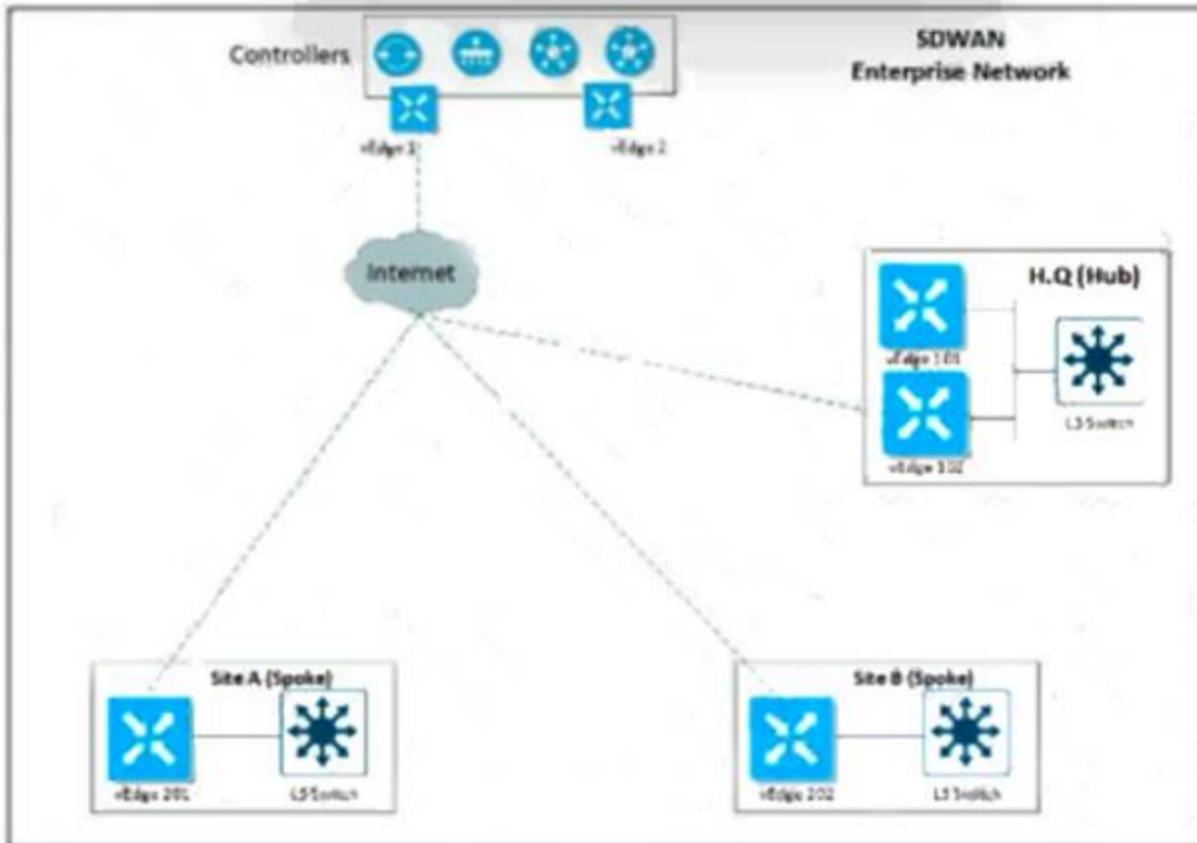
Which type of policy must be applied on a WAN Edge application-aware firewall to control traffic between two or more VPNs?

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

**Answer:** C

**NEW QUESTION 231**

Refer to the exhibit



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

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

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

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

**Answer:** D

**NEW QUESTION 236**

Refer to the exhibit.

```

vEdge-2(config-vpn-0)#interface ge0/2.101
vEdge-2(config-interface)#ip address 10.1.100.0/24
vEdge-2(config-interface)#tloc-extension ge0/0
vEdge-2(config-interface)#mtu 1496
vEdge-2(config-interface)#no shutdown

```

What binding is created using the tloc-extension command?

- A. between ge 0/2.101 of port-type service and ge 0/0 of port-type service
- B. between ge 0/2.101 of port-type transport and ge 0/0 of port-type service
- C. between ge 0/2.101 of port-type service and ge 0/0 of port-type transport
- D. between ge 0/2.101 of port-type transport and ge 0/0 of port-type transport

**Answer:** D

**Explanation:**

**tloc-extension**

Bind this interface, which connects to another vEdge router at the same physical site, to the local router's WAN **transport interface** (on vEdge routers only).

**NEW QUESTION 237**

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

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

Answer: A

#### NEW QUESTION 240

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 241

Which command disables the logging of syslog messages to the local disk?

- A. no system logging disk enable
- B. no system logging disk local
- C. system logging disk disable
- D. system logging server remote

Answer: A

#### NEW QUESTION 245

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 250

Which service VPN must be reachable from all WAN Edge devices and the controllers?

- A. VPN0
- B. VPN10
- C. VPN215
- D. VPN512

Answer: A

#### NEW QUESTION 252

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 256**

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 260**

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 265**

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 270**

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

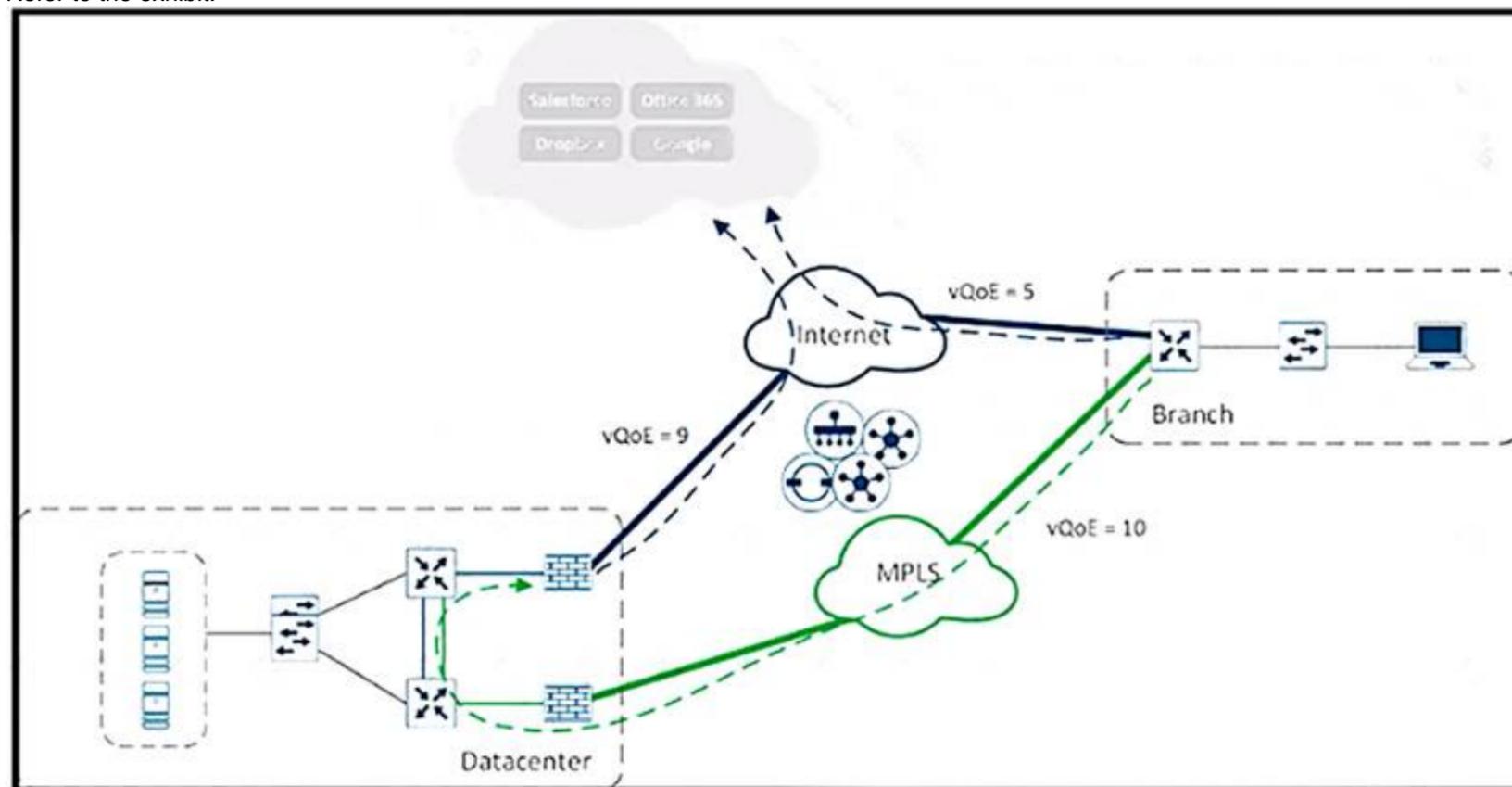
**Answer: A**

**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 273**

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 278**

For data plane resiliency, what does the Cisco SD-WAN software implement?

- A. BFD
- B. establishing affinity between vSmart controllers and WAN Edge routers
- C. multiple vBond orchestrators
- D. OMP

**Answer: A**

**Explanation:**

**NEW QUESTION 280**

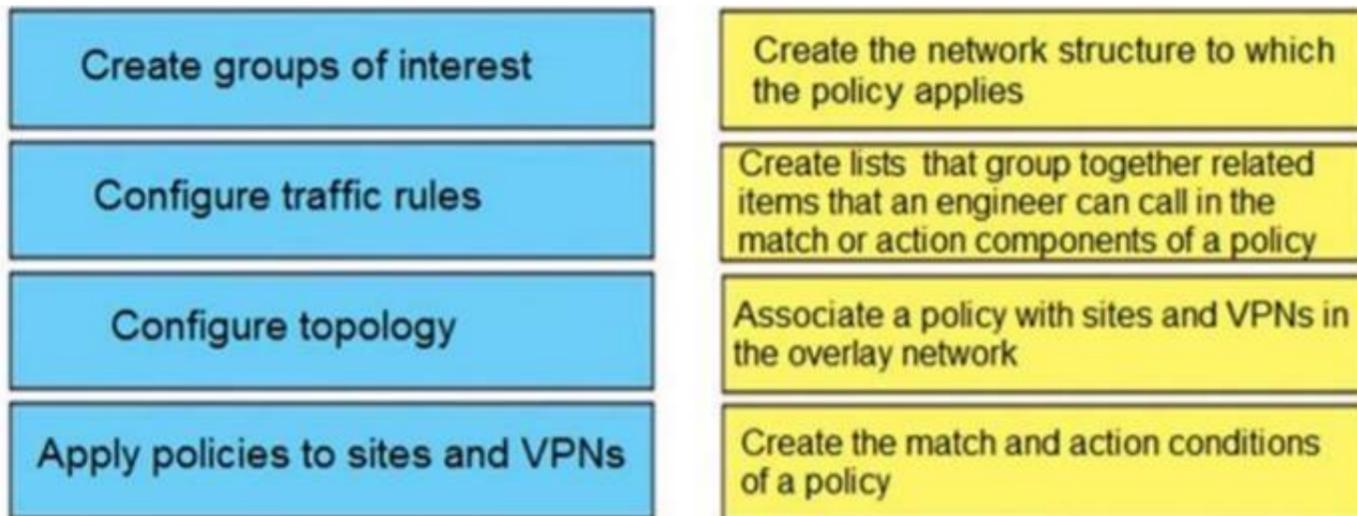
Which Cisco SD-WAN WAN Edge platform supports LTE and Wi-Fi?

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

**Answer: D**

**NEW QUESTION 285**

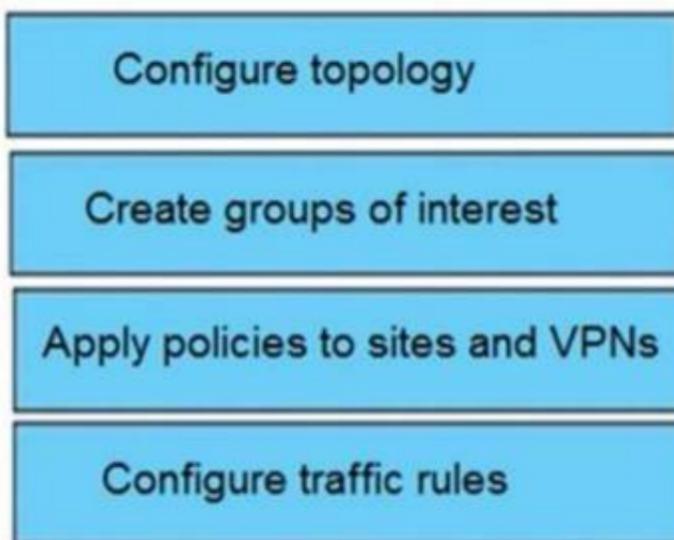
Drag and drop the vManage policy configuration procedures from the left onto the correct definitions on the right.



- A. Mastered
- B. Not Mastered

**Answer:** A

**Explanation:**



**NEW QUESTION 288**

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 293**

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 296**

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 301**

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 306**

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

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

**Answer: C**

**NEW QUESTION 309**

Which VPN must be present on at least one interface to install Cisco vManage and integrate it with WAN Edge devices in an overlay network site ID:S4307T7E78F29?

- A. VPN 512
- B. any VPN number selected
- C. services VPN range 0-511
- D. VPNO

**Answer: D**

**NEW QUESTION 310**

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

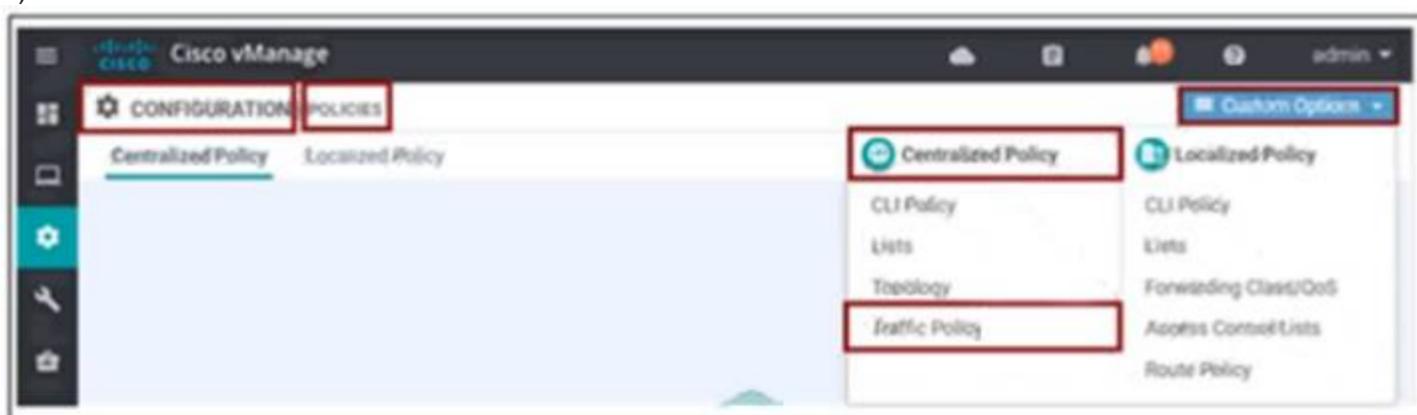
- A. The upgrade button is greyed out
- B. The upgrade proceeds with no warning message.
- C. The upgrade fails with a warning message
- D. The upgrade proceeds with a warning message

**Answer: D**

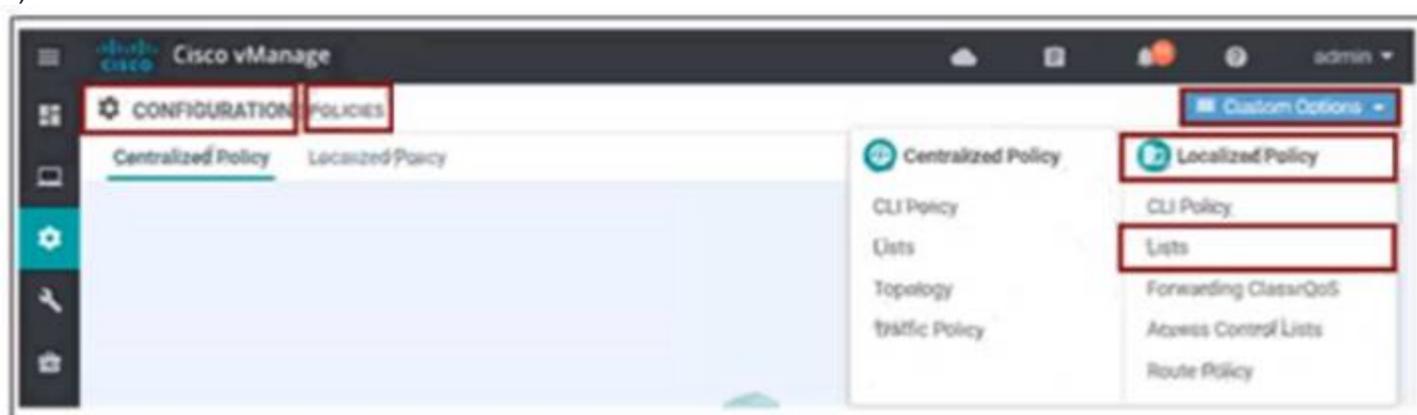
**NEW QUESTION 314**

An engineer must create a QoS policy by creating a class map and assigning it to the LLQ queue on a WAN Edge router Which configuration accomplishes the task?

A)



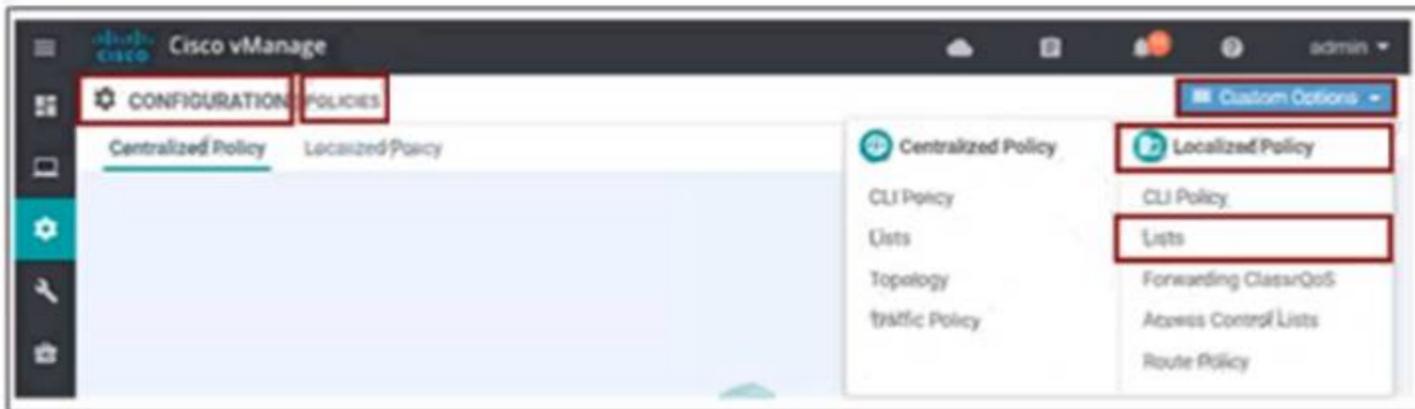
B)



C)



D)



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

Answer: D

**NEW QUESTION 318**

Refer to the exhibit.

| Hostname   | State | System IP | Reachability | Site ID | Device Model | BFD | Control |
|------------|-------|-----------|--------------|---------|--------------|-----|---------|
| BR1-VEGDE1 | ✓     | 10.3.0.1  | reachable    | 300     | vEdge Cloud  | 8   | 5       |

What does the BFD value of 8 represent?

- A. number of BFD sessions
- B. hello timer of BFD session
- C. poll-interval of BFD session.
- D. dead timer of BFD session

Answer: A

**NEW QUESTION 322**

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 324**

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

- A. Remove two node from the three-node vManage duster

- B. Use the cluster conversion utility to convert to standalone vManage
- C. Restore vManage from the backup VM snapshot
- D. Leave the cluster as is and point to one vManage

**Answer:** B

#### NEW QUESTION 325

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 330

How does the replicator role function in Cisco SD-WAN?

- A. WAN Edge devices advertise the rendezvous point to all the receivers through the underlay network.
- B. vSmart Controllers advertise the rendezvous point to all the receivers through the overlay network.
- C. WAN Edge devices advertise the rendezvous point to all receivers through the overlay network.
- D. vSmart Controllers advertise the rendezvous point to all the receivers through the underlay network.

**Answer:** B

#### Explanation:

##### Replicators

For efficient use of WAN bandwidth, strategic Cisco SD-WAN routers can be deployed and configured as replicators throughout the overlay network. Replicators mitigate the requirement for a Cisco SD-WAN router with local sources or the PIM-RP to replicate a multicast stream once for each receiver. As discussed above, replicators advertise themselves, using OMP multicast-autodiscover routes, to the Cisco vSmart Controllers in the overlay network. The controllers then forward the replicator location information to the PIM-enabled Cisco IOS XE SD-WAN routers that are in the same VPN as the replicator.

#### NEW QUESTION 331

Which destination UDP port is used by WAN Edge router to make a DTLS connection with vBond Orchestrator?

- A. 12343
- B. 12345
- C. 12346
- D. 12347

**Answer:** C

#### NEW QUESTION 333

What are two attributes of vRoute? (Choose two)

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

**Answer:** AB

#### NEW QUESTION 334

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

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

**Answer:** D

#### NEW QUESTION 335

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

**NEW QUESTION 338**

An engineer configures policing with a rate of 125 Bps and a burst rate of 8000 bits, as shown here:

```

policy
 policer p1
 rate
 burst
 exceed drop
!
access-list acl1
 sequence 1
 match
 source-ip 2.2.0.0/16
 destination-ip 10.1.1.0/24 100.1.1.0/24
 destination-port 20 30
 protocol 6 17 23
!
 action accept
 policer p1
!
 default-action drop
!
vpn 1
 interface ge0/4
 description Policy ID: B413:A88D:76G7::4
 ip address 10.20.24.15/24
 no shutdown
 access-list acl1 out
!

```

Which configuration completes this task?

- A. Configure 125 for rate and 1000 for burst.
- B. Configure 1000 for rate and 64000 for burst
- C. Configure 125 for rate and 8000 for burst
- D. Configure 1000 for rate and 1000 for burst

**Answer: D**

**NEW QUESTION 341**

Which type of certificate is installed on vManage for a user to access vManage via a web browser?

- A. SD-AVC Certificate
- B. WAN Edge Certificate
- C. Controller Certificate
- D. Web Server Certificate

**Answer: D**

**NEW QUESTION 346**

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

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

**Answer: C**

**NEW QUESTION 351**

Refer to the exhibit.

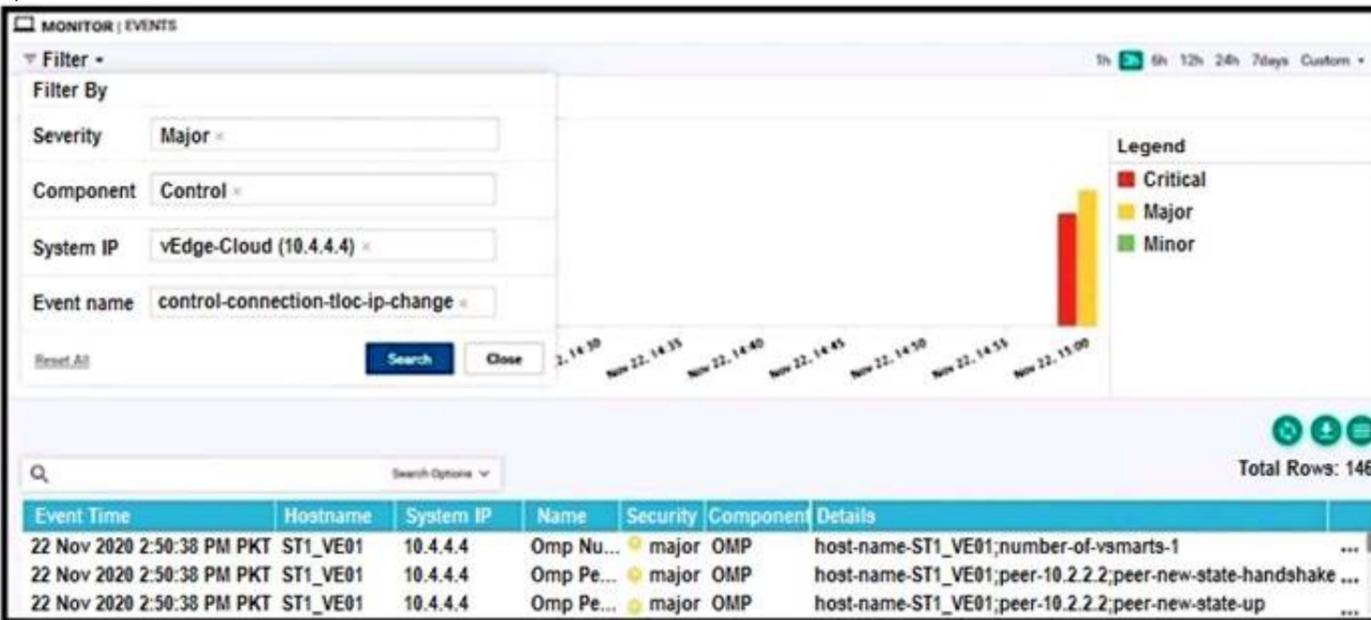
Update Device Template

Variable List (Hover over each field for more information)

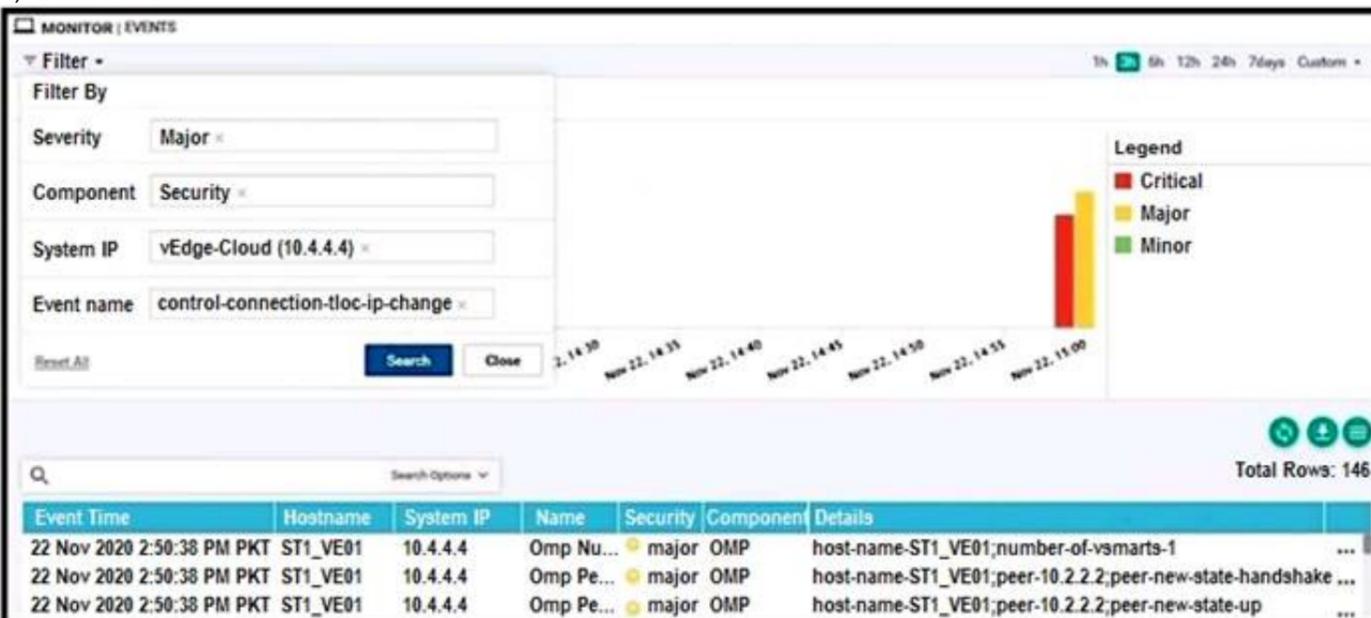
|                               |             |
|-------------------------------|-------------|
| System IP                     | 10.4.4.4    |
| Hostname                      | ST1_VE01    |
| Prefix(vEdge_Default_Gateway) | 0.0.0.0/0   |
| Prefix(Mpls_Default_Gateway)  | 0.0.0.0/0   |
| Address(vEdge_Next_Hop_IP)    | 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?

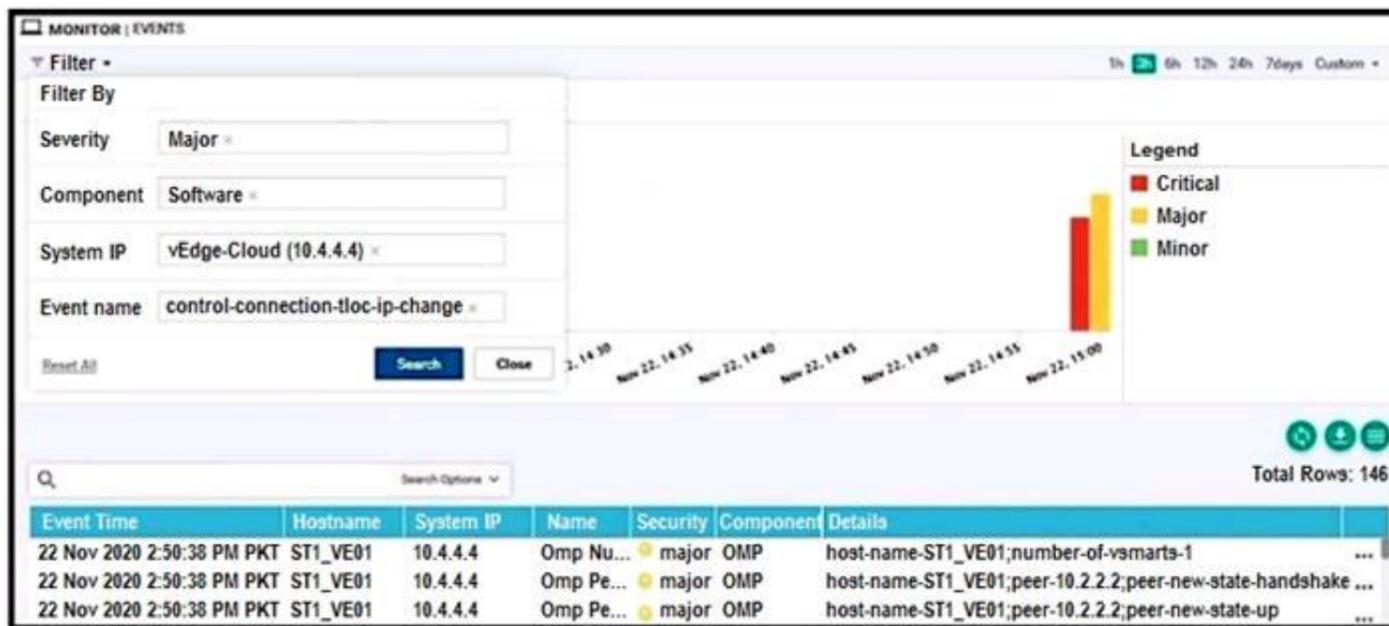
A)



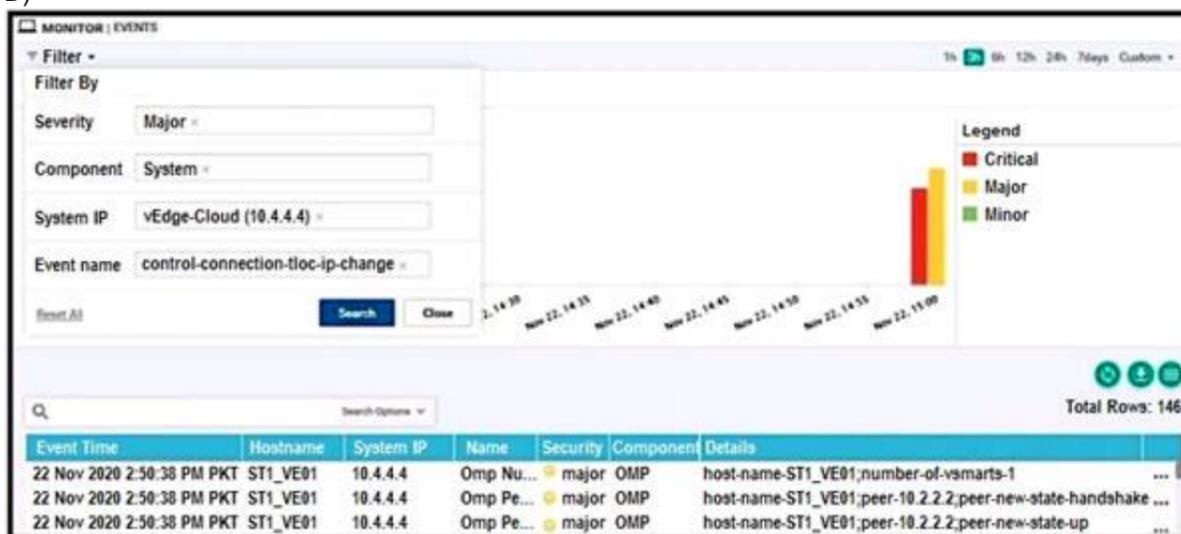
B)



C)



D)



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

Answer: D

**NEW QUESTION 352**

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

poll interval

color

hello interval

PMTU discovery

multiplier

BFD for Transport Tunnel

BFD for Application-Aware Routing

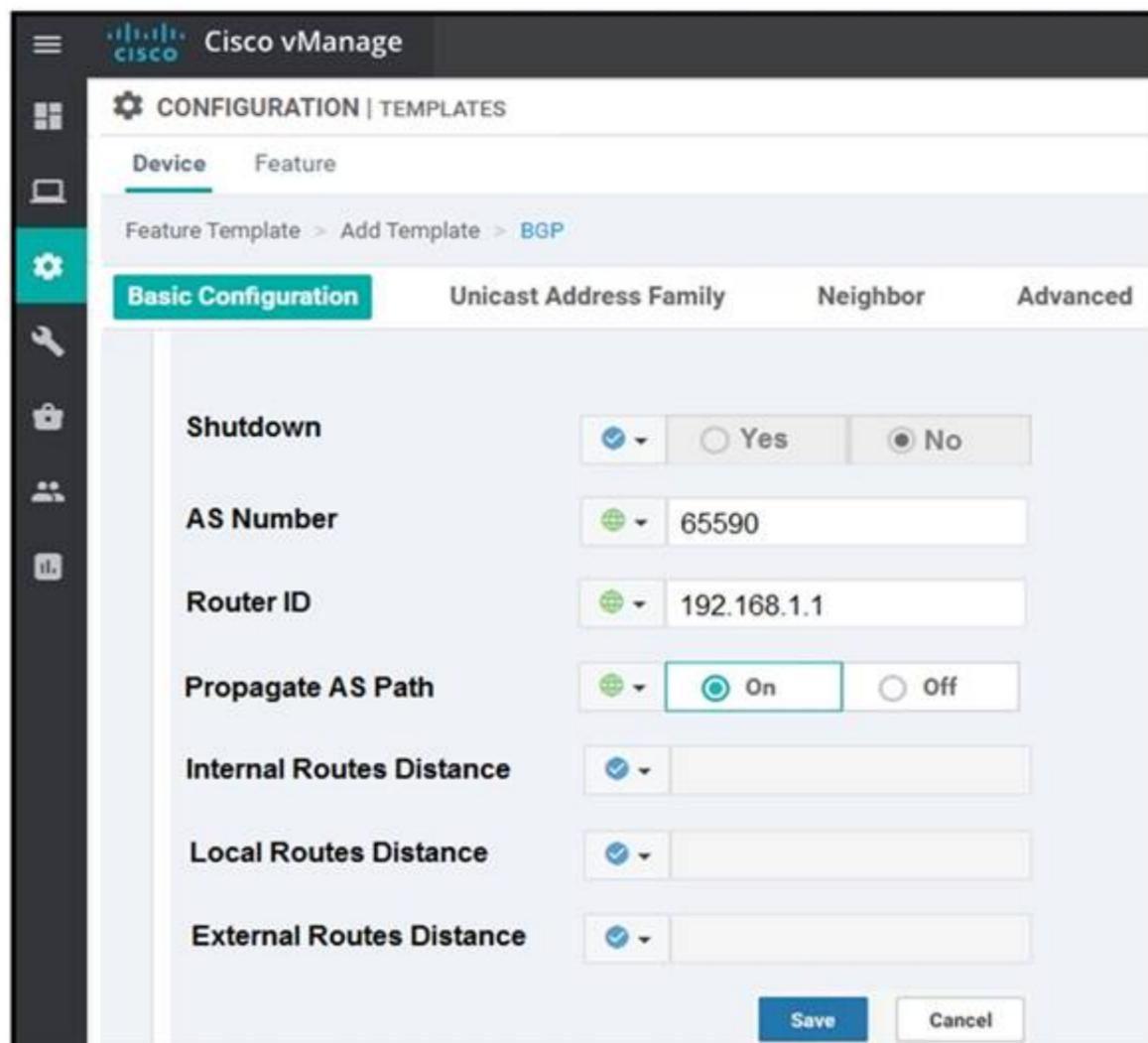
- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

**NEW QUESTION 356**

Refer to the exhibit.



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

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

**Answer: C**

**NEW QUESTION 359**

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

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

**Answer: D**

**Explanation:**

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

**NEW QUESTION 363**

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 367**

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

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

**Answer: B**

**Explanation:**

Data policy influences the flow of data traffic traversing the network

**NEW QUESTION 372**

How are policies deployed on cloud-hosted Cisco SD-WAN controllers?

- A. Policies are created on vSmart and enforced by vSmart
- B. Policies are created on vSmart and enforced by vManage
- C. Policies are created on vManage and enforced by vManage.
- D. Policies are created on vManage and enforced by vSmart

**Answer: A**

**NEW QUESTION 376**

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 379**

Which issue triggers the Cisco Umbrella resolver to forward DNS requests to the intelligent proxy? Which issue triggers the Cisco Umbrella resolver to forward DNS requests to the intelligent proxy?

- A. A domain is nonexistent.
- B. A domain is block-listed.
- C. A domain is locally reachable.
- D. A domain is grey-listed.

**Answer: D**

**NEW QUESTION 381**

Which template configures the out-of-band management VPN?

A)

| Section             | Parameter      | Type            | Variable/value                |
|---------------------|----------------|-----------------|-------------------------------|
| Basic configuration | Shutdown       | Global          | No                            |
|                     | Interface Name | Global          | loopback0                     |
| IPv4 configuration  | IPv4 Address   | Radio button    | Static                        |
|                     | IPv4 Address   | Device Specific | vpn1_lo0_int_ip_addr/maskbits |

B)

| Section                    | Parameter      | Type            | Variable/value                  |
|----------------------------|----------------|-----------------|---------------------------------|
| <b>Basic configuration</b> | Shutdown       | Global          | No                              |
|                            | Interface Name | Device Specific | vpn512_mgt_int_mgmt0_or_gex/x   |
|                            | Description    | Global          | Management Interface            |
| <b>IPv4 configuration</b>  | IPv4 Address   | Radio button    | Static                          |
|                            | IPv4 Address   | Device Specific | vpn512_mgt_int_ip_addr/maskbits |

C)

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

D)

| Section                    | Parameter      | Type            | Variable/value                 |
|----------------------------|----------------|-----------------|--------------------------------|
| <b>Basic configuration</b> | Shutdown       | Device Specific | vpn1_lan_int2_shutdown         |
|                            | Interface Name | Device Specific | vpn1_lan_int2_gex/x            |
| <b>IPv4 configuration</b>  | Description    | Device Specific | vpn1_lan_int2_description      |
|                            | IPv4 Address   | Radio button    | Static                         |
|                            | IPv4 Address   | Device Specific | vpn1_lan_int2_ip_addr/maskbits |

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

**Answer: C**

**NEW QUESTION 383**

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 388**

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 393**

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 398**

Which type of route advertisement of OMP can be verified?

- A. OMP, VP
- B. and origin
- C. Origin, TLOC, and VPN
- D. Origin, TLOC, and service
- E. OMP, TLOC and service

**Answer: D**

**NEW QUESTION 401**

Which action is performed during the onboarding process when a WAN Edge router is connected to ZTP server ztp.viptela.com?

- A. The router is connected to WAN Edge Cloud Center
- B. The router is synced with vSmart Controller via an IPsec tunnel
- C. The router receives its vBond Orchestrator information
- D. The router is connected to vSmart Controller via a DTLSTLS tunnel

**Answer: C**

**NEW QUESTION 404**

A WAN Edge device has several service VPNs with no routing protocol configured in the service VPNs. The device must be configured so that all connected routes are visible in OMP for VPN 10. Which configuration meets the requirement?

A)

```
vpn 10
 name ***** Service VPN 10 *****
 omp
 redistribute connected
```

B)

```
omp
 no shutdown
 graceful-restart
 advertise connected
```

C)

```
omp
 no shutdown
 graceful-restart
 redistribute connected
```

D)

```
vpn 10
 name ***** Service VPN 10 *****
 omp
 advertise connected
```

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

**Answer: D**

**NEW QUESTION 405**

Drag and drop the definitions from the left to the configuration on the right.

|                                                               |                  |
|---------------------------------------------------------------|------------------|
| matching condition that allows traffic flow between two zones | destination zone |
| grouping of VPNs where the data traffic flows originate       | firewall policy  |
| container that associates forwarding and blocking decisions   | source zone      |
| grouping of VPNs where the data traffic flows terminate       | zone pair        |

- A. Mastered
- B. Not Mastered

**Answer:** A

**Explanation:**

- **Source zone**—A grouping of VPNs where the data traffic flows originate.
- **Destination zone**—A grouping of VPNs where the data traffic flows terminate. A VPN can be part of only one zone
- **Zone-based firewall policy**—A data policy, similar to a localized data policy, that defines the conditions that the data traffic flow from the source zone must match to allow the flow to continue to the destination zone. Zone-based firewalls can match IP prefixes, IP ports, and protocols TCP, UDP, and ICMP. Matching flows can be accepted or dropped, and the packet headers can be logged. Nonmatching flows are dropped by default.
- **Zone pair**—A container that associates a source zone with a destination zone and that applies a zone-based firewall policy to the traffic that flows between zones.

Service Chaining

Traffic Flow Monitoring with Cflow

#### NEW QUESTION 408

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 411

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

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

**Answer:** A

#### NEW QUESTION 415

Which OMP route is selected for equal OMP route preference values on WAN Edge routers?

- A. route with higher TLOC preference value
- B. route with origin type of connected
- C. route with origin type of static
- D. route with lower TLOC preference value

**Answer:** A

#### NEW QUESTION 418

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

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

Answer: A

**NEW QUESTION 420**

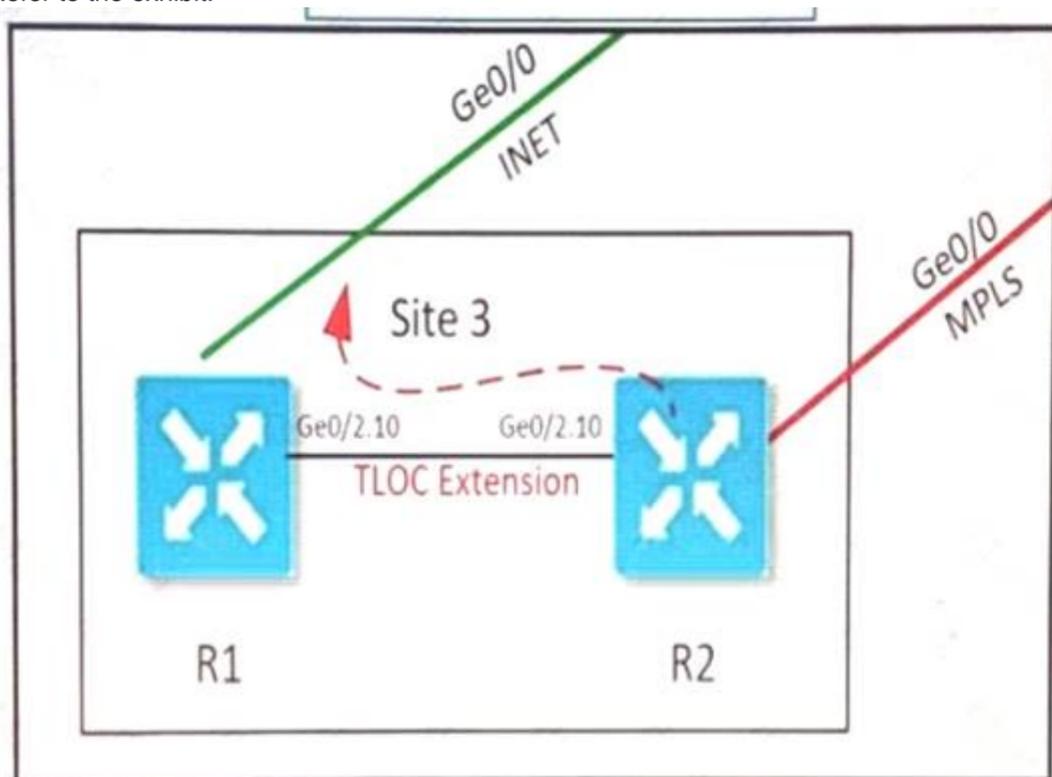
What is the procedure to upgrade all Cisco SD-WAN devices to a recent version?

- 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 and finally on the Cisco WAN Edge devices.
- 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 424**

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 1/30
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**

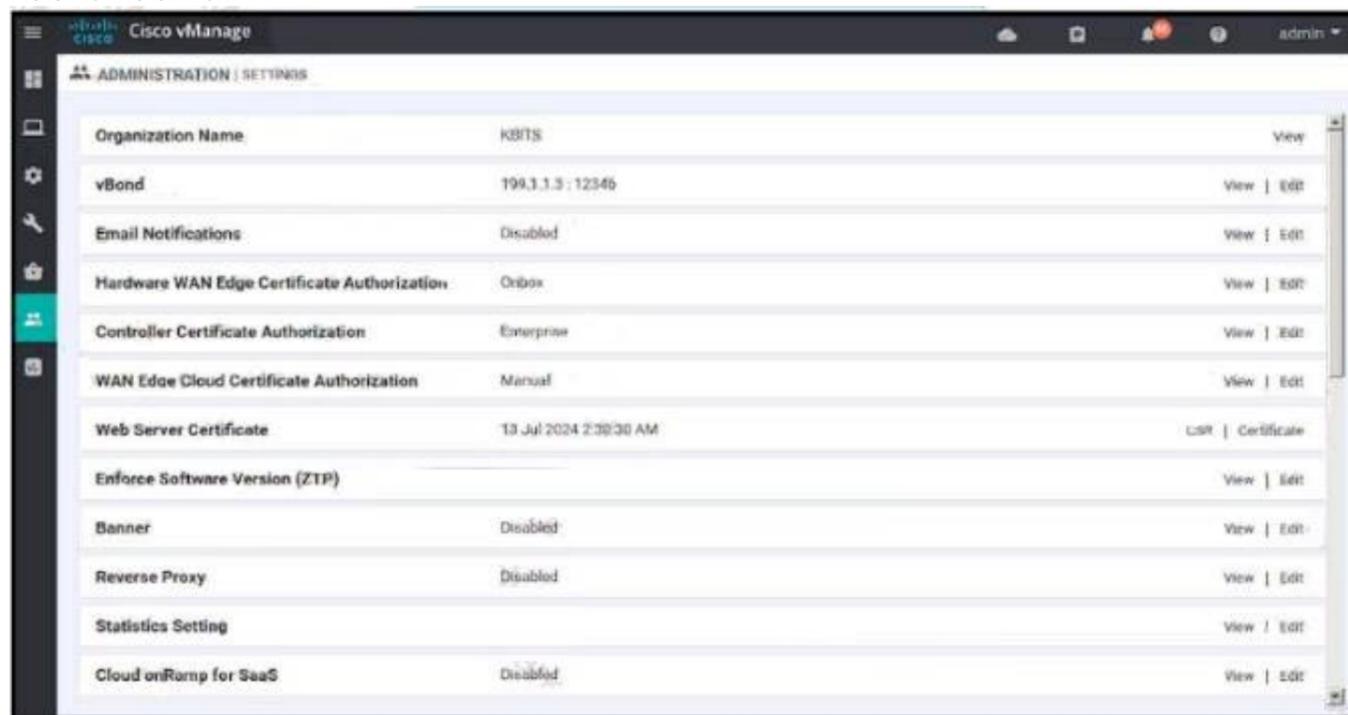
**Explanation:**

<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 427**

Refer to the exhibit.



Which two configurations are needed to get the WAN Edges registered with the controllers when certificates are used? (Choose two)

- A. Generate a CSR manually within vManage server
- B. Generate a CSR manually on the WAN Edge
- C. Request a certificate manually from the Enterprise CA server
- D. Install the certificate received from the CA server manually on the WAN Edge
- E. Install the certificate received from the CA server manually on the vManage

**Answer: AE**

**Explanation:**

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

**NEW QUESTION 429**

Refer to the exhibit.

|                            |                                                                                |                                                               |
|----------------------------|--------------------------------------------------------------------------------|---------------------------------------------------------------|
| Address Family             | <input type="radio"/> IPv4 <input checked="" type="radio"/> IPv6               | <input checked="" type="radio"/> On <input type="radio"/> Off |
| Address Family             | <input type="radio"/> IPv4 <input checked="" type="radio"/> IPv6               | ipv4-unicast <input type="text"/>                             |
| Maximum Number of Prefixes | <input checked="" type="checkbox"/> Unlimited <input type="checkbox"/> Limited | <input type="text"/>                                          |
| Route Policy In            | <input checked="" type="checkbox"/> Match <input type="checkbox"/> No Match    | <input type="radio"/> On <input checked="" type="radio"/> Off |
| Route Policy Out           | <input type="radio"/> IPv4 <input checked="" type="radio"/> IPv6               | <input checked="" type="radio"/> On <input type="radio"/> Off |
| Policy Name                | <input type="radio"/> IPv4 <input checked="" type="radio"/> IPv6               | eBGP_Community_Policy                                         |

The engineer must assign community tags to 3 of its 74 critical server networks as soon as that are advertised to BGP peers. These server networks must not be advertised outside AS. Which configuration fulfill this requirement?

A)  

```

policy
route-policy eBGP_Community_Policy
sequence 1
match
address Community_Prefix
action accept
set
community 999:65000 local-as
default-action reject
lists
prefix-list Community_Prefix
ip-prefix 20.20.20.0/24
ip-prefix 21.21.21.0/24
ip-prefix 22.22.22.0/24

```

B)  

```

policy
route-policy eBGP_Community_Policy
sequence 1
match
address Community_Prefix
action accept
set
community 999:65000 no-export
default-action accept
lists
prefix-list Community_Prefix
ip-prefix 20.20.20.0/24
ip-prefix 21.21.21.0/24
ip-prefix 22.22.22.0/24

```

C)  

```

policy
route-policy eBGP_Community_Policy
sequence 1
match
address Community_Prefix
action accept
set
community 999:65000 local-as
default-action reject
lists
prefix-list Community_Prefix
ip-prefix 20.20.20.0/24
ip-prefix 21.21.21.0/24
ip-prefix 22.22.22.0/24

```

D)  

```

policy
route-policy eBGP_Community_Polic
sequence 1
match
address Community_Prefix
action accept
set
community 999:65000 no-export
default-action accept
lists
prefix-list Community_Prefix
ip-prefix 20.20.20.0/24
ip-prefix 21.21.21.0/24
ip-prefix 22.22.22.0/24

```

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

Answer: D

#### NEW QUESTION 432

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

GRE tunnel to another router in the branch?

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

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

**Answer:** C

**Explanation:**

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

### Command Hierarchy

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

### NEW QUESTION 434

In an AWS cloud, which feature provision WAN Edge routers automatically in Cisco SD-WAN?

- A. Cloud app
- B. Cloud OnRamp
- C. vAnalytics
- D. Network Designer

**Answer:** B

**Explanation:**

Cisco SD-WAN **Cloud OnRamp** for IaaS, "Cloud OnRamp" for short, is a Cisco SD-WAN feature that automates provisioning of a Cisco SD-WAN virtual appliance routers (either vEdge Cloud or CSR (Cloud Services Router)) in the AWS cloud, after providing

### NEW QUESTION 438

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 442

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

|         |                                  |
|---------|----------------------------------|
| vSmart  | establishes a secured data plane |
| vManage | first point of authentication    |
| vEdge   | single pane of glass             |
| vBond   | enforces control policies        |

- A. Mastered
- B. Not Mastered

**Answer:** A

**Explanation:**

|         |
|---------|
| vEdge   |
| vBond   |
| vManage |
| vSmart  |

**NEW QUESTION 443**

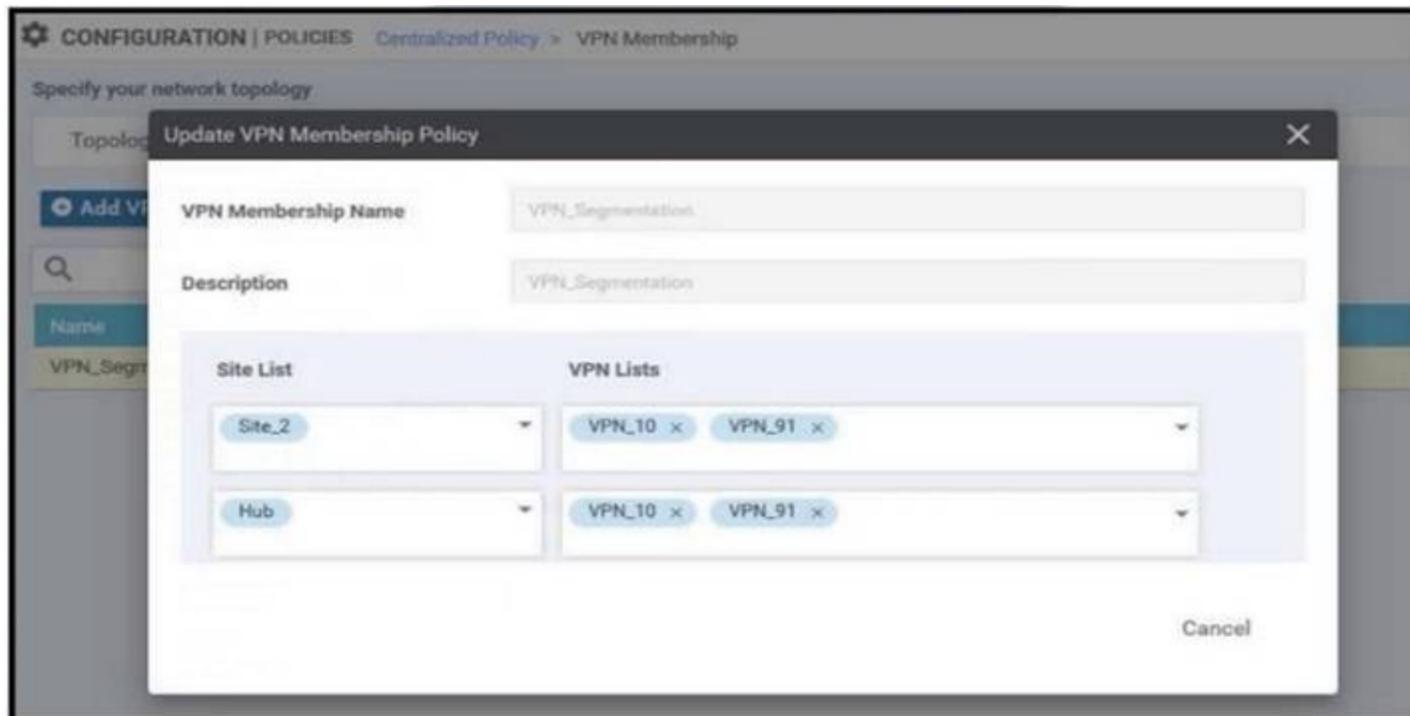
Which SD-WAN component is configured to enforce a policy to redirect branch-to-branch traffic toward a network service such as a firewall or IPS?

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

**Answer:** C

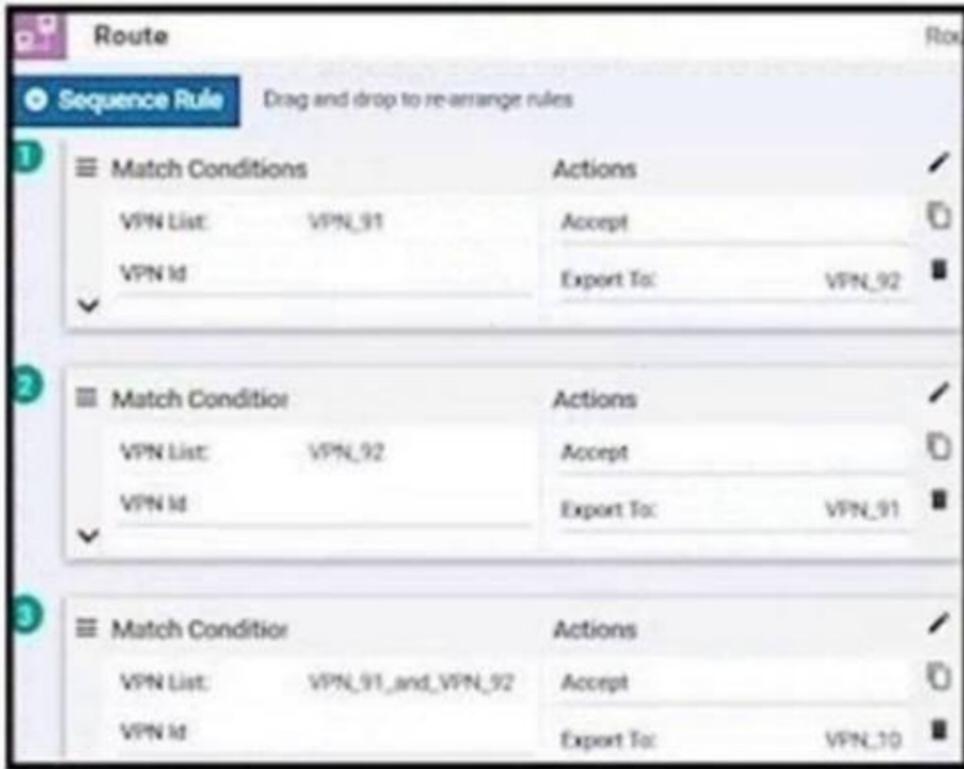
**NEW QUESTION 444**

Refer to the exhibit.

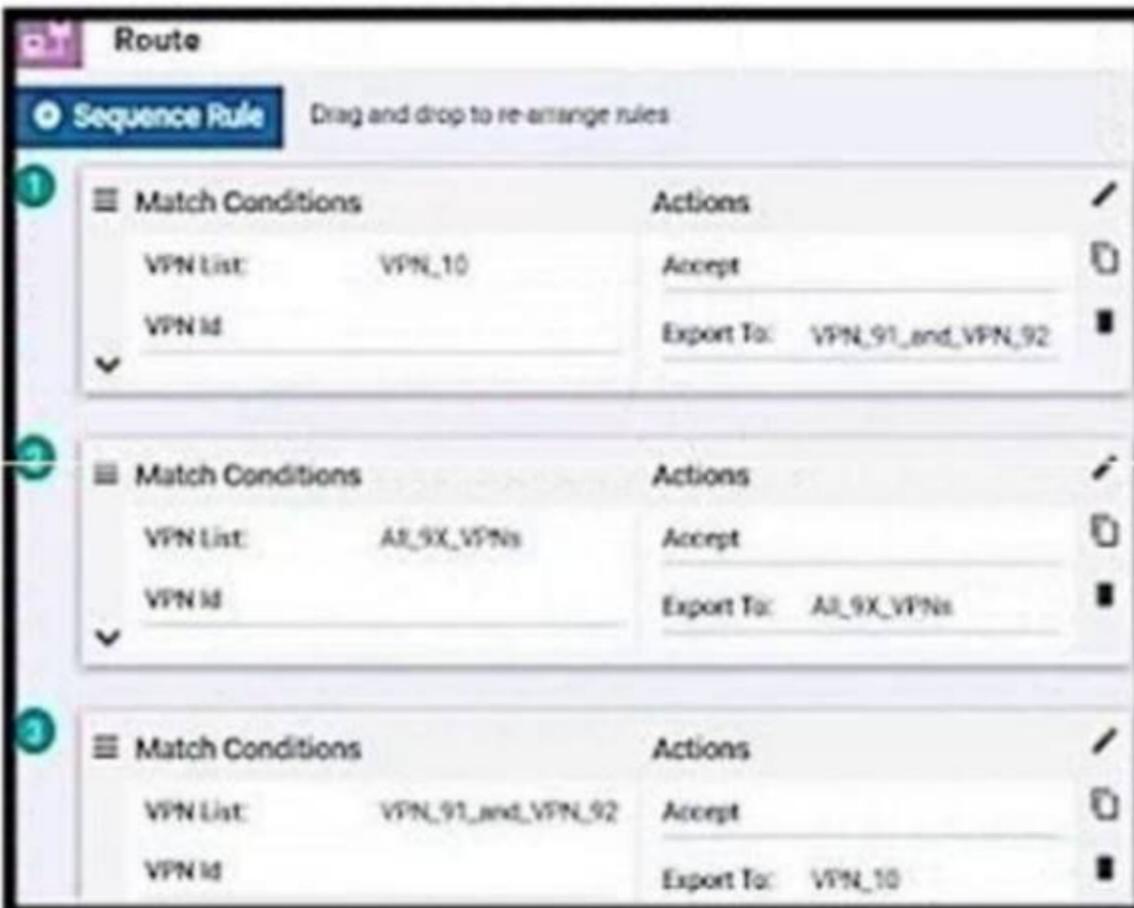


An enterprise has hub and spoke topology where it has several VPNs. An engineer must allow users in VPN91 to reach users in VPN92 and VPN10 to reach VPN91 and VPN92. Which configuration meets these requirements?

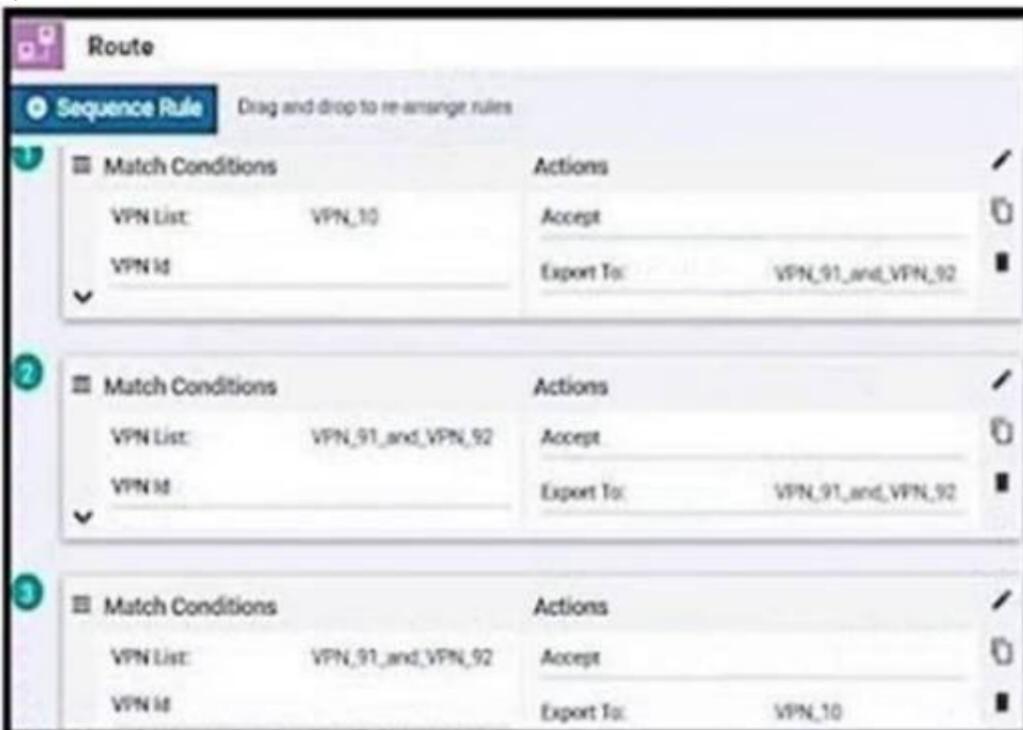
A)



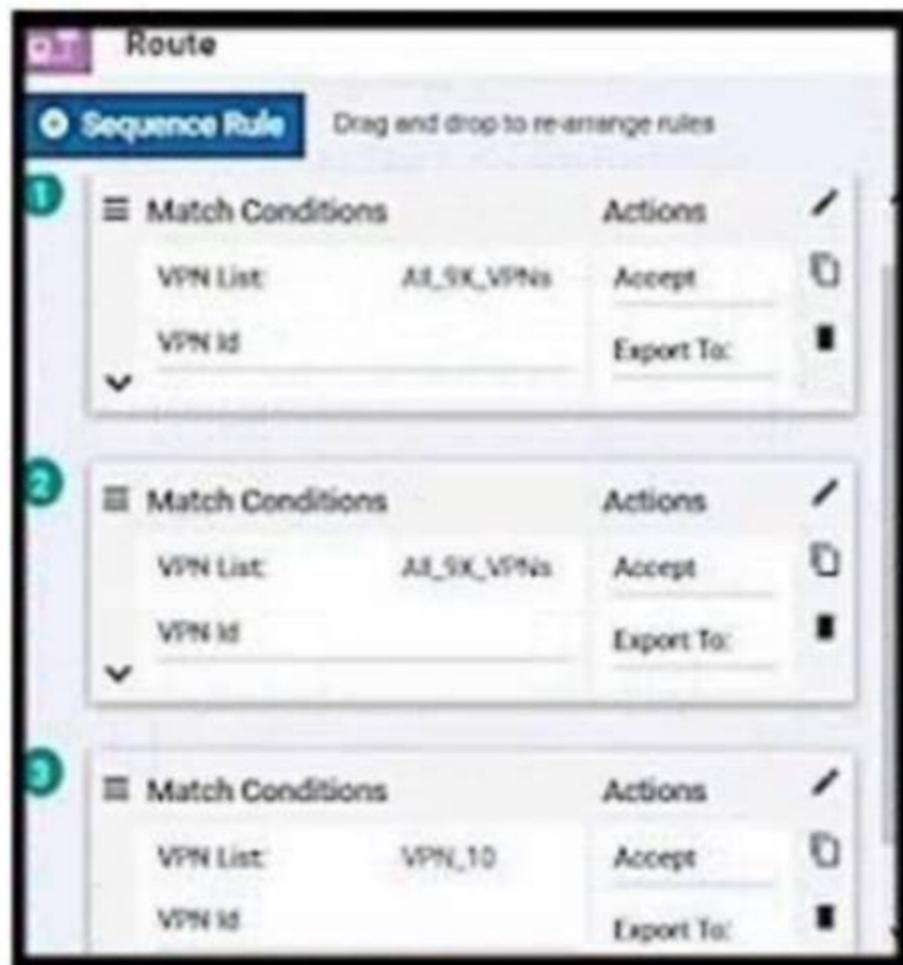
B)



C)



D)



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

**Answer: C**

**NEW QUESTION 446**

What is the order of operations for software upgrades of Cisco SD-WAN nodes'?

- A. vBond vManage vSmart WAN Edge
- B. vManage vBond WAN Edg
- C. vSmart
- D. vManage vSmart, vBond, WAN Edge
- E. vManage vBond vSraart WAN Edge

**Answer: D**

**NEW QUESTION 451**

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