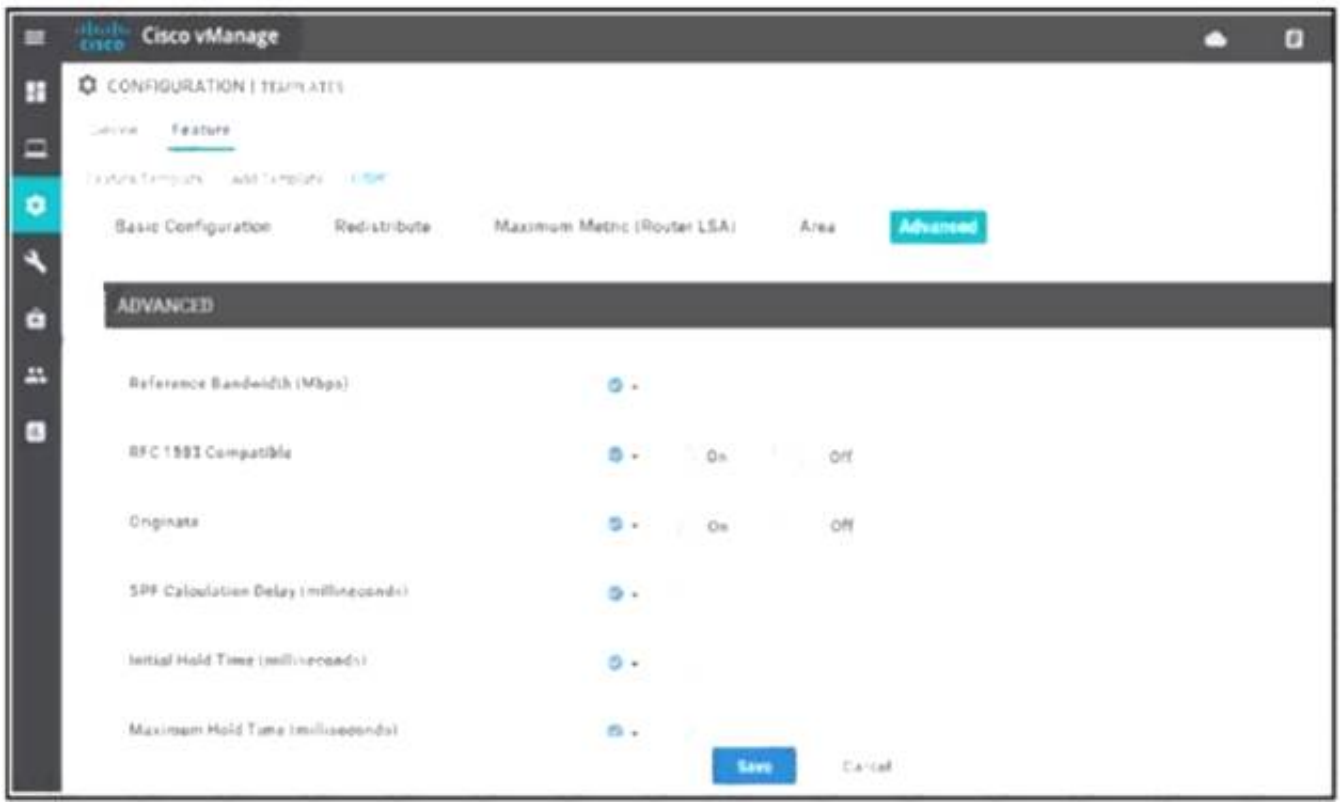
Cisco

Exam Questions 300-415

Implementing Cisco SD-WAN Solutions (ENSDWI)

NEW QUESTION 1
Refer to the exhibit.

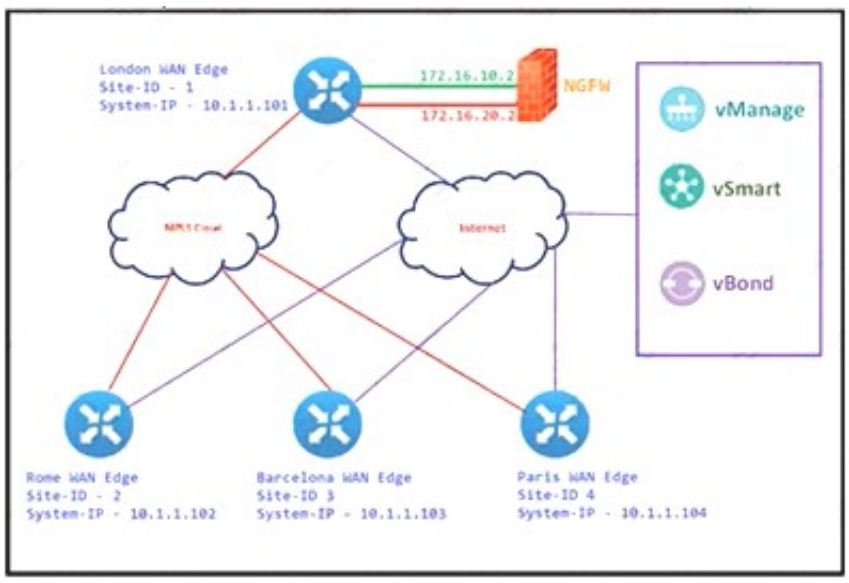


A network administrator is configuring OSPF advanced configuration pararmeters from a template using the vManager GUI for a branch WAN Edge router to calculate the cost of summary routes to an ASBR. Which action achieves this configuration?

A. Disable RFC 1583 Compatiblt
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 v/ants 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 Sen/ice 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 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

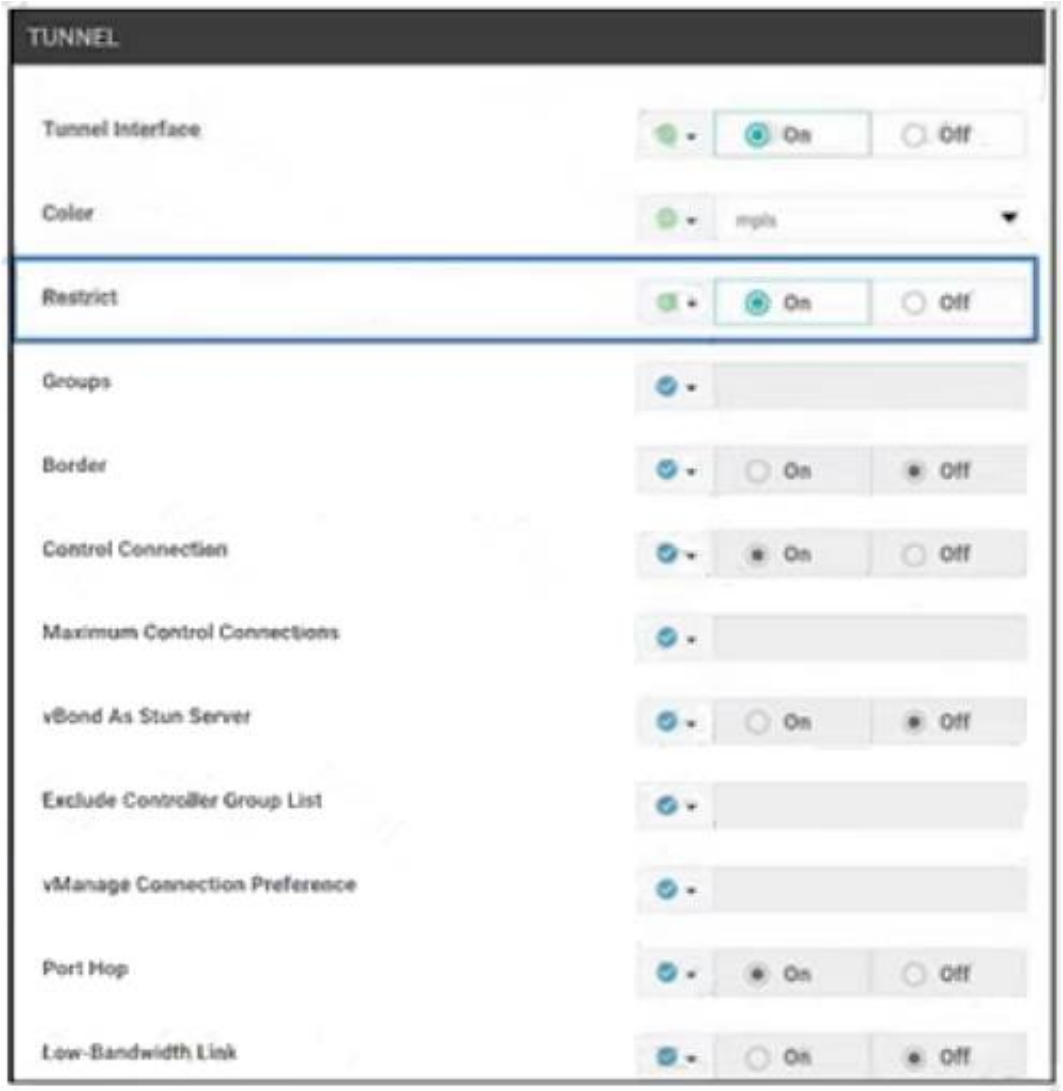
Answer: A

Explanation:

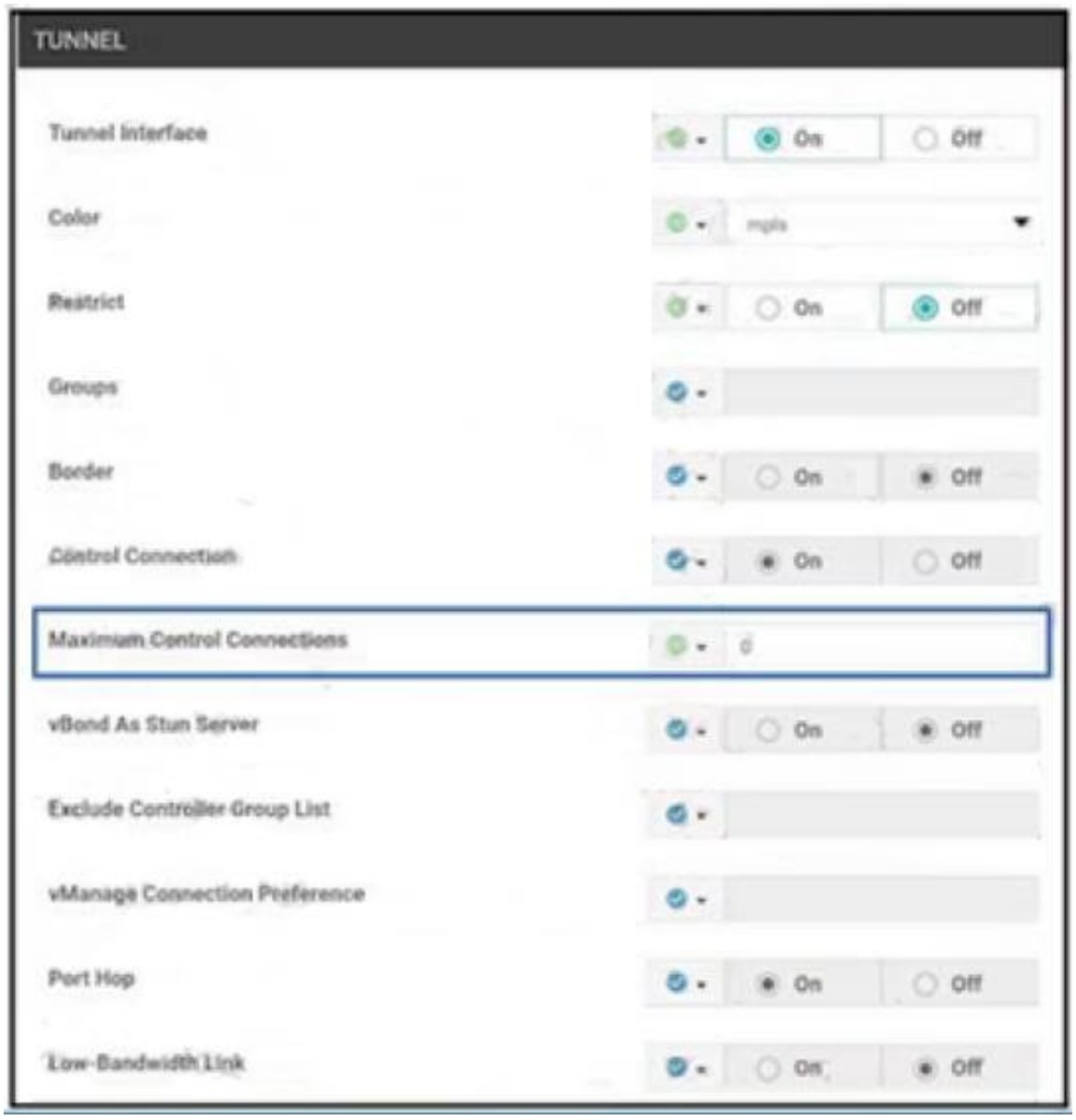
vSmart controllers are the centralized brain of the solution; they implement policies and connectivity between SD-WAN branches. The centralized policy engine in Cisco vSmart controllers provides policy constructs to manipulate routing information, access control, segmentation, extranets, and service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

NEW QUESTION 4
Company E wants to deploy Cisco SD-WAN with controllers in AWS The company's existing WAN is on private MPLS without Internet access to controllers m AWS An Internet circuit is added to a site in addition to the existing MPLS circuit. Which interface template establishes BFD neighbors over both transports?
A)

B)



C)
Miss
D)



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

Answer: A

NEW QUESTION 5
Refer to the exhibit, which configuration configures IPsec tunnels in active and standby?

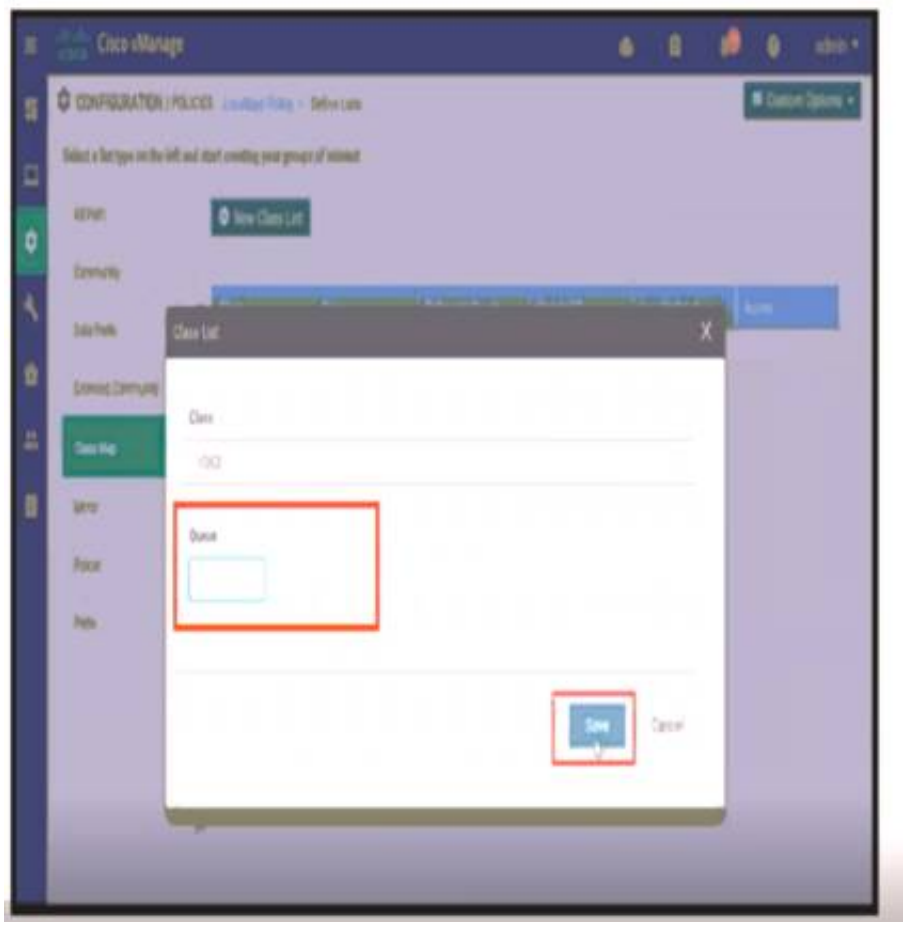
```
from-vsmart data-policy_1_ServiceIsertionIPSec
direction from-service
vpn-list 1
        sequence 1
        match destination-ip 64.102.6.247/32
        action accept
        set
        service netsvc1
        service local
        default-action accept
```

```
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 6
Refer to the exhibit.

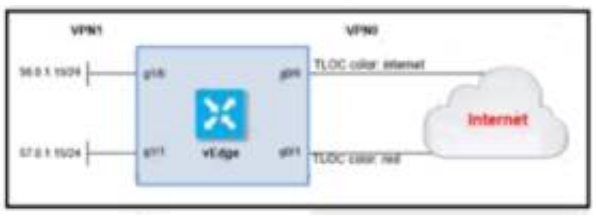


A network administrator is setting the queueing value for voice traffic for one of the WAN Edge routers using vManager GUI. Which queue value must be set to accomplish this task?

A. 1
B. 2
C. 3

Answer: A

NEW QUESTION 7
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 busts 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 8

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

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

Answer: A

Explanation:

Display all available vEdge routers in the overlay network.

```
GET https://{vmanage-ip-address}/dataservice/system/device/vedges
```

NEW QUESTION 9
What is the minimum Red Hat Enterprise Linux operating system requirement for a Cisco SD-WAN controller deployment via KVM?

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

Answer: D

NEW QUESTION 10
A network administrator configures SNMFV3 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

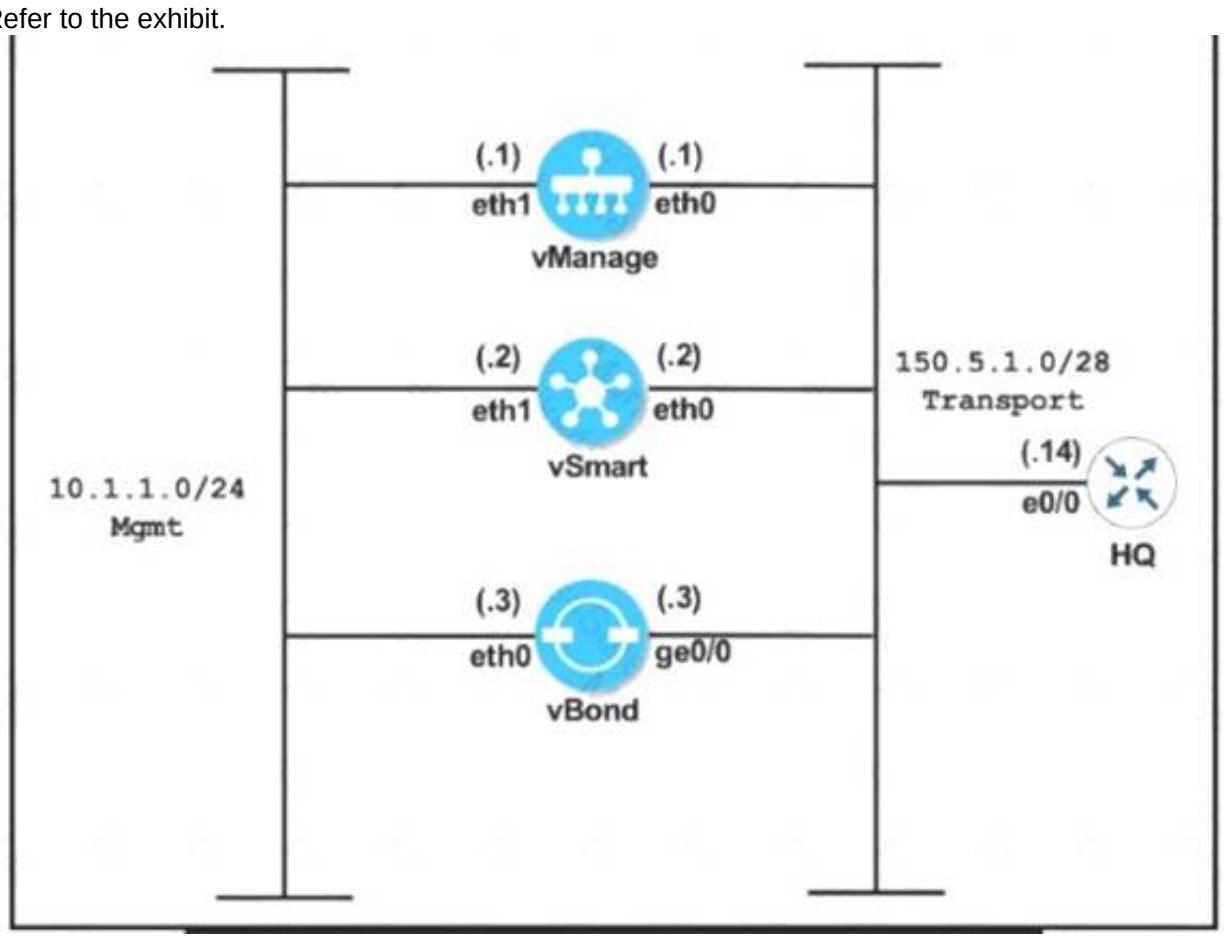
Answer: C

NEW QUESTION 10
Which type of certificate is installed on vManage for a user to access vManage via a web browser?

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

Answer: B

NEW QUESTION 15
Refer to the exhibit.



```
vManage

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


vBond

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

```
vSmart

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

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

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

Answer: A

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

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

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

NEW QUESTION 17
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 20
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 24
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 27
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 31
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 36
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?

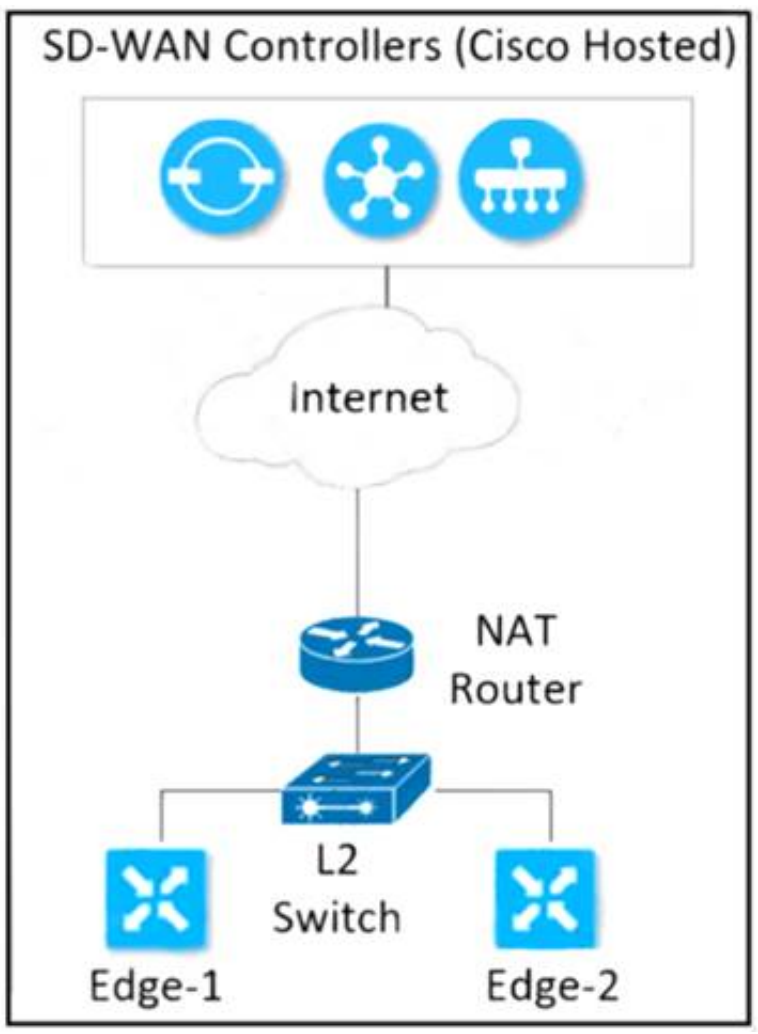
A. DTLS or TLS tunnel with vBond controller and IPsec tunnel with vManage controller.
B. DTLS or TLS tunnel with vBond controller and IPsec tunnel with other WAN Edge routers.
C. DTLS or TLS tunnel with vSmart controller and IPsec tunnel with other Edge routers.
D. DTLS or TLS tunnel with vSmart controller 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 40
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 42
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 43
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 46
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 49
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 53
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 57
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 61
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 63
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 65
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 70
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 71
Refer to the exhibit.

PEER TYPE	PEER PROTOCOL	PEER SYSTEM IP	SITE ID	DOMAIN ID	PEER PRIVATE IP	PEER PRIVATE PORT	PEER PUBLIC IP	PUBLIC PORT	CONTROLLER LOCAL COLOR	GROUP STATE	UPTIME	ID
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 72
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

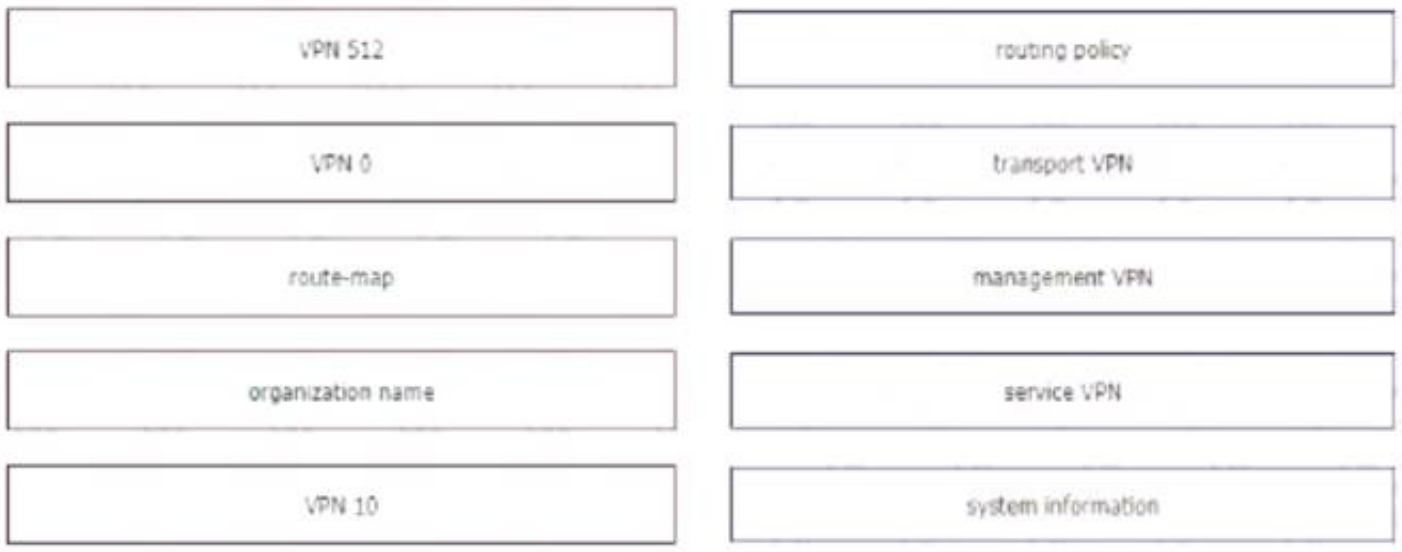
Answer: D

NEW QUESTION 76
Which combination of platforms are managed by vManage?

A. ISR4321, ASR1001, ENCS, lSRv
B. ISR4351, ASR1002HX, vEdge2000, vEdge Cloud
C. ISR4321, ASR1001, Nexus, ENCS
D. lSR435l, ASRl009, vEdge2000, CSR1000v

Answer: A

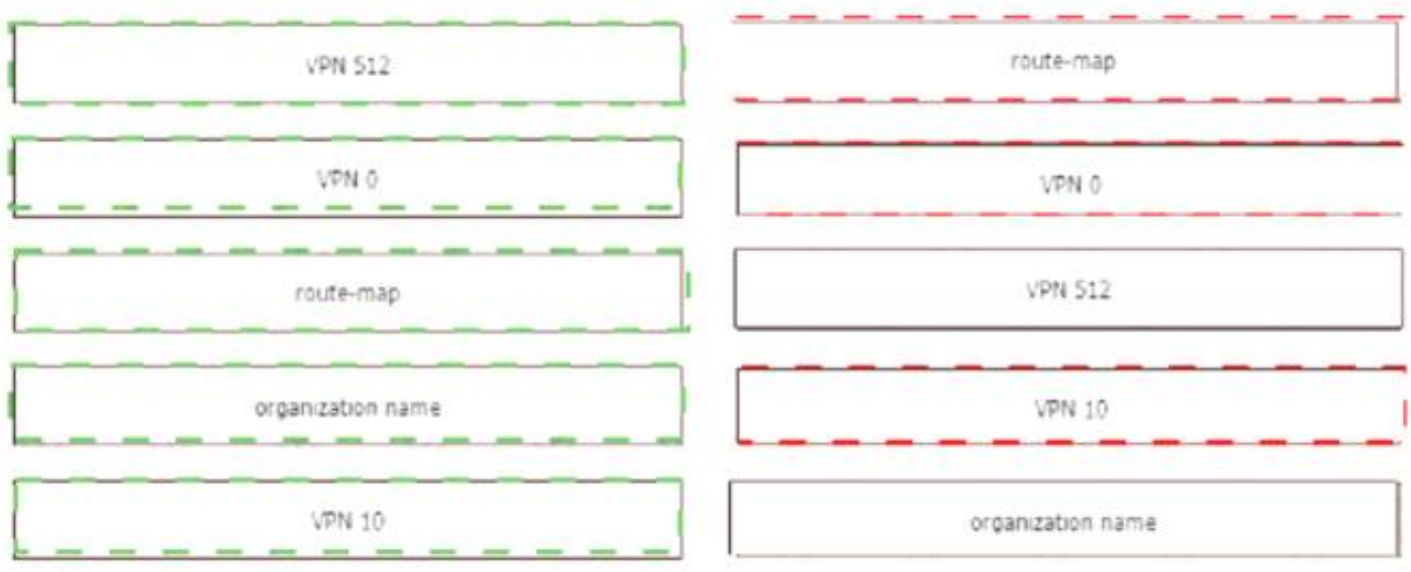
NEW QUESTION 80
Drag and drop the functions from the left onto the correct templates on the right.



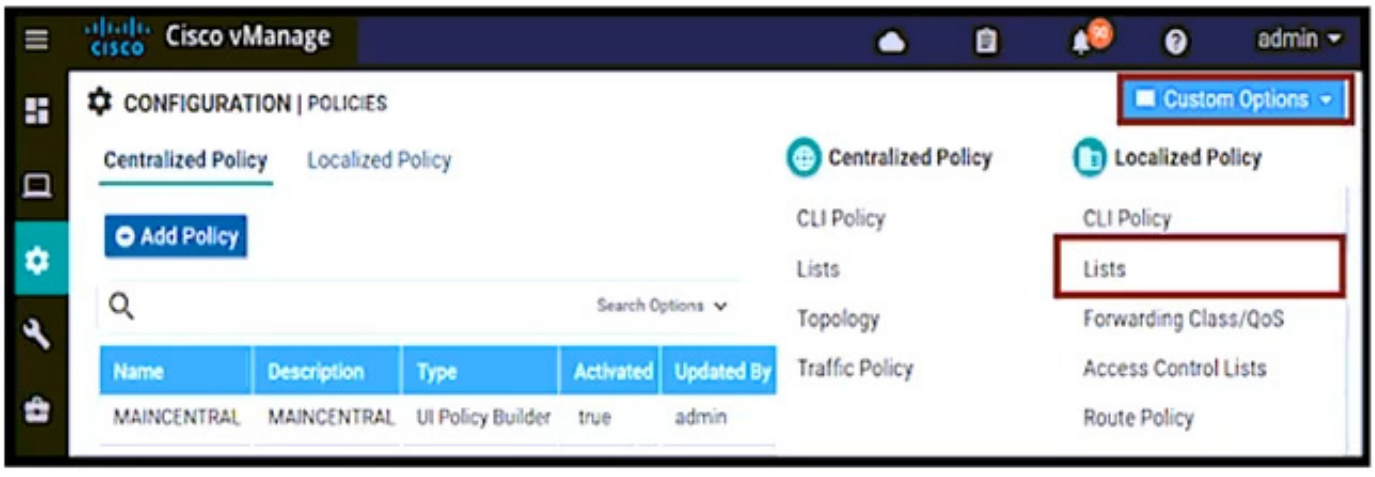
A. Mastered
B. Not Mastered

Answer: A

Explanation:

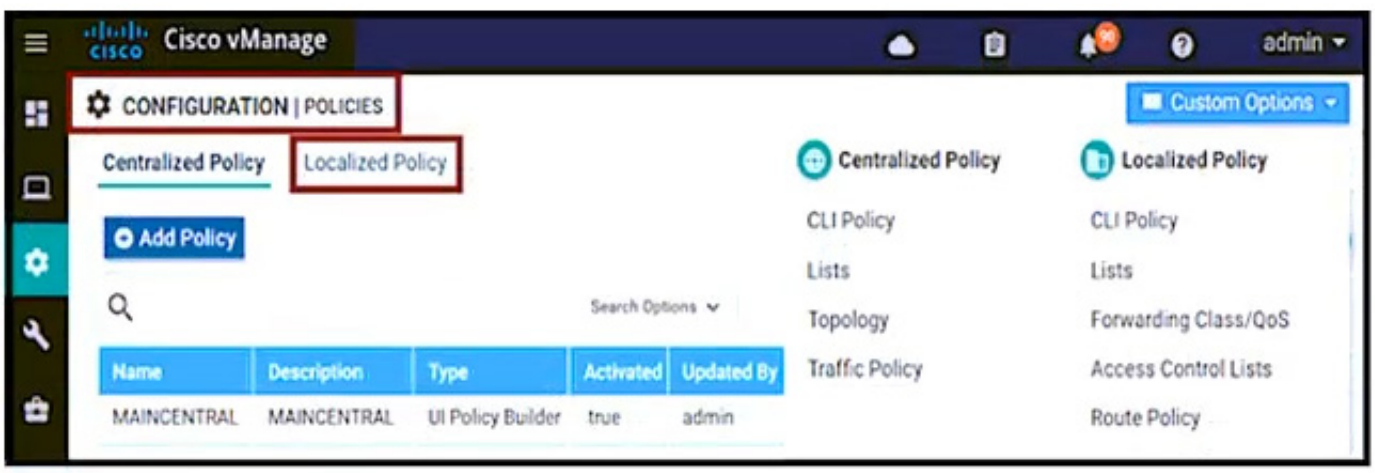


NEW QUESTION 81
Which configuration defines the groups of interest before creation of the access list or route map?
A)

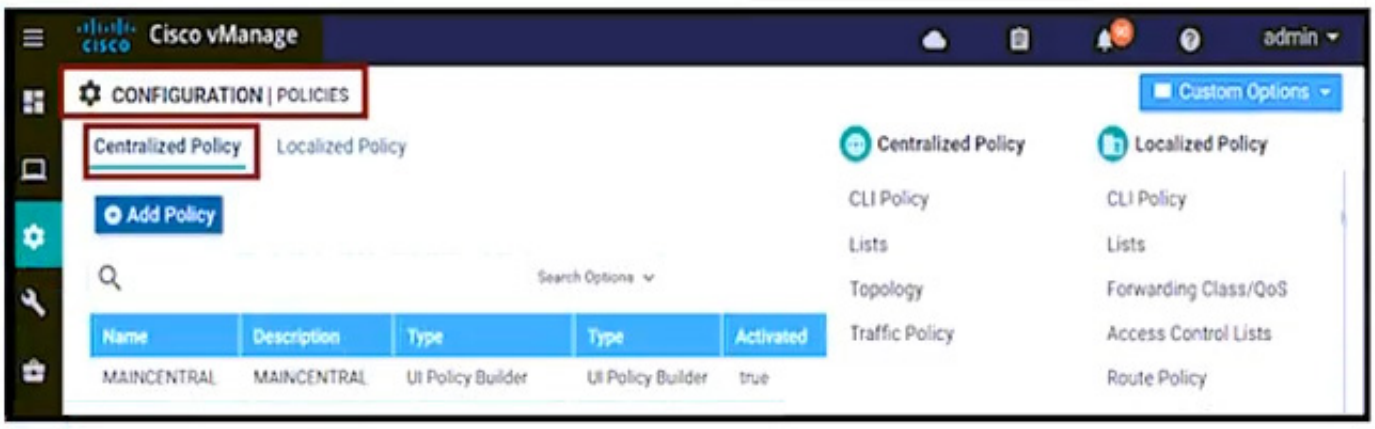


B)

C)



D.



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

Answer: A

NEW QUESTION 86
Refer to the exhibit

```
vManage# show certificate installed

Server certificate
------------------

Certificate:
    Data:
        Version: 1 (0x0)
        Serial Number:
            d0:d1:f0:e0:63:52:c9:3a
    Signature Algorithm: sha256WithRSAEncryption
        Issuer: C=UK, ST=ENG, L=London, O=ABC, CN=SDWAN.lab
        Validity
            Not Before: Jul 30 19:42:30 2020 GMT
            Not After : Jul 30 19:42:30 2021 GMT
        Subject: C=US, ST=California, L=San Jose, OU=ABC,
O=vIPtela Inc, CN=vmanage-6842d5cf-ce74-41a0-9ff5-
10e810f9ddab-0.vm
        Subject Public Key Info:
            Public Key Algorithm: rsaEncryption
                Public-Key: (2048 bit)
```

A small company was acquired by a large organization As a result, the new organization decided to update information on their Enterprise RootCA and generated a new certificate using openssl Which configuration updates the new certificate and issues an alert in vManage Monitor | Events Dashboard?

A)

Step1: Generate the RootCA Certificate

```
openssl x509 -req -in vmanage_csr \
    -CA ROOTCA.pem -CAkey ROOTCA.key -CAcreateserial \
    -out vmanage.crt -days 365 -sha256
```

Step2: Install the RootCA Certificate

vManage > Administration > Settings > Controller Certificate Authorization > Enterprise Root Certificate

B)

Step1: Generate the RootCA Certificate

```
openssl x509 -req -in vmanage_csr \
    -CA ROOTCA.pem -CAkey ROOTCA.key -CAcreateserial \
    -out vmanage.crt -days 365 -sha256
```

Step2: Install the RootCA Certificate

vManage > Administration > Settings > Controller Certificate Authorization > Symantec Automated (Recommended)

C)

Step1: Generate the RootCA Certificate

```
vManage:~$openssl req -x509 -new -nodes -key ROOTCA.key -
sha256 -days 2000 \
    -subj "/C=UK/ST=ENG/L=London/O=XYZ/CN= SDWAN.lab " \
    -out ROOTCA.pem
```

Step2: Install the RootCA Certificate

vManage > Administration > Settings > Controller Certificate Authorization > Enterprise Root Certificate

D)

Step1: Generate the RootCA Certificate

```
vManage#openssl req -x509 -new -nodes -key ROOTCA.key -sha256
-days 2000 \
    -subj "/C=UK/ST=ENG/L=London/O=ABC/CN= SDWAN.lab " \
    -out ROOTCA.pem
```

Step2: Install the RootCA Certificate

vManage > Administration > Settings > Controller Certificate Authorization > Symantec Automated (Recommended)

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

Answer: C

Explanation:

7. Generate Root CA certificate named **rootca.pem** and sign it with **rootca.key** that was generated on the previous step.

```
vmanage:~/web$ openssl req -x509 -new -nodes -key rootca.key -sha256 -days 4000 -out rootca.pem
```

NEW QUESTION 89
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 93
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 97
An engineer must configure two branch WAN Edge devices where an Internet connection is available and the controllers are in the headquarters. The requirement is to have IPsec VPN tunnels established between the same colors. Which configuration meets the requirement on both WAN Edge devices?

WAN Edge 1

```
vpn 0
 interface ge0/0
  ip address 10.0.0.1/24
  ipv6 dhcp-client
  tunnel-interface
   color biz-internet restrict
   encapsulation ipsec
```

WAN Edge 2

```
vpn 0
 interface ge0/0
  ip address 10.0.0.2/24
  ipv6 dhcp-client
  tunnel-interface
   color default
   encapsulation ipsec
```

WAN Edge 1

```
vpn 0
 interface ge0/0
  ip address 10.0.0.1/24
  ipv6 dhcp-client
  tunnel-interface
   color default
   encapsulation ipsec
```

WAN Edge 2

```
vpn 0
 interface ge0/0
  ip address 10.0.0.2/24
  ipv6 dhcp-client
  tunnel-interface
   color default
   encapsulation ipsec
```

WAN Edge 1

```
vpn 0
 interface ge0/0
  ip address 10.0.0.1/24
  ipv6 dhcp-client
  tunnel-interface
   color public-internet restrict
   encapsulation ipsec
```

WAN Edge 2

```
vpn 0
 interface ge0/0
  ip address 10.0.0.2/24
  ipv6 dhcp-client
  tunnel-interface
   color gold restrict
   encapsulation ipsec
```

WAN Edge 1

```
vpn 0
 interface ge0/0
  ip address 10.0.0.1/24
  ipv6 dhcp-client
  tunnel-interface
   color gold restrict
   encapsulation ipsec
```

WAN Edge 2

```
vpn 0
 interface ge0/0
  ip address 10.0.0.2/24
  ipv6 dhcp-client
  tunnel-interface
   color gold restrict
   encapsulation ipsec
```

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

Answer: D

NEW QUESTION 100
An engineer must avoid routing loops on the SD-WAN fabric for routes advertised between data center sites Which BGP loop prevention attribute must be configured on the routers to meet this requirement?

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

Answer: A

NEW QUESTION 104
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 107
Refer to exhibit.

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

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

A. Enter a valid serial number on the controllers for a given device
B. Remove the duplicate IP in the network.

C. Enter a valid product ID (model) on the PNP portal
D. Match the serial number file between the controllers
E. Restore network reachability for the controller

Answer: CD

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

NEW QUESTION 111
What is a default protocol for control plane connection?

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

Answer: D

NEW QUESTION 115
In a Cisco SD-WAN network, which component is responsible for distributing route and policy information via the OMP?

A. vManage
B. vSmart Controler
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 118
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

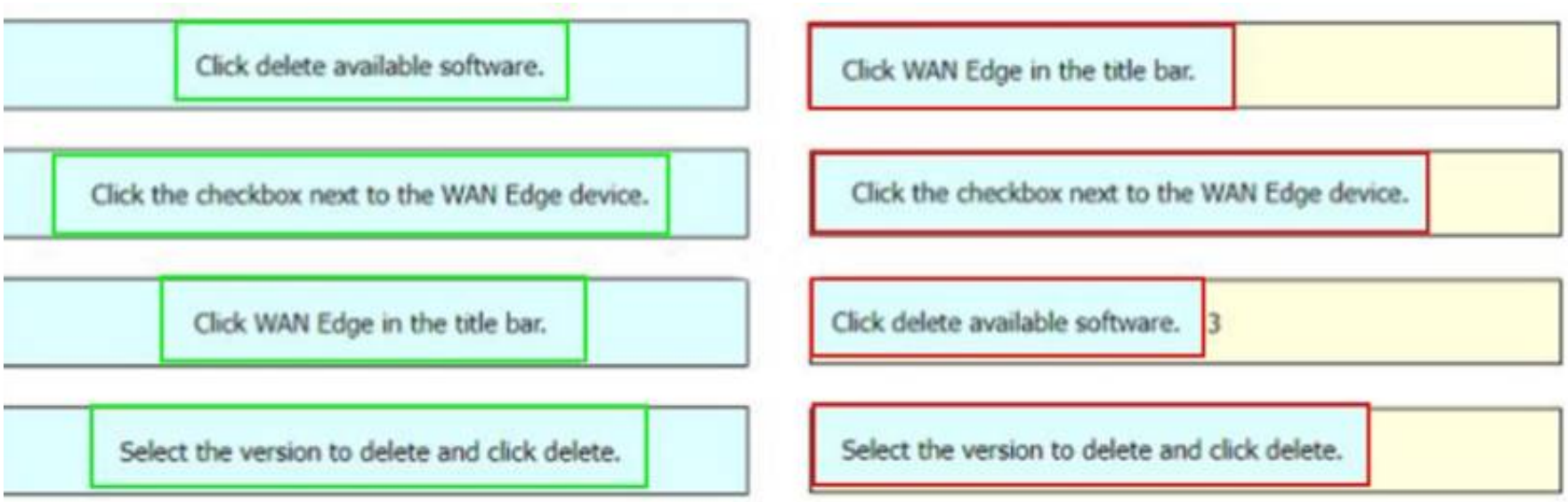
NEW QUESTION 122
Drag and drop the steps from the left Into the order on the right to delete a software image for a WAN Edge router starting with Maintenance > Software Upgrade > Device list on vManage.

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 126
Which policy blocks TLOCs from remotes and allows TLOCs from the data center to form hub-and-spoke peering?

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

Answer: C

Explanation:

Centralized Policy

Centralized policy refers to policy provisioned on Cisco vSmart Controllers, which are the centralized controllers in the Cisco SD-WAN overlay network. Centralized policy comprises two components:

- Control policy, which affects the overlay network–wide routing of traffic
- Data policy, which affects the data traffic flow throughout the VPN segments in the network

NEW QUESTION 129
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:

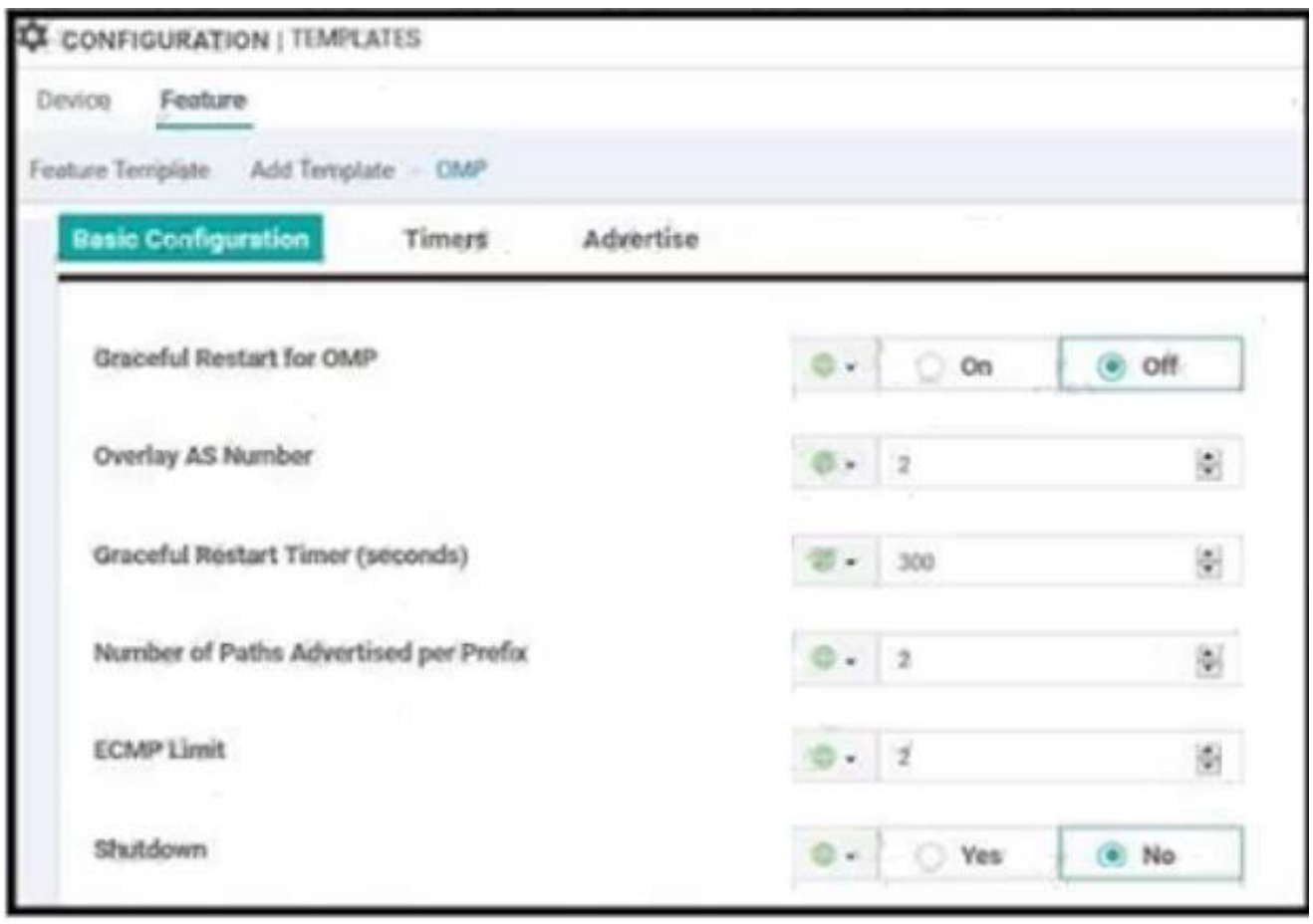
1. Enter a name for the tenant. It can be up to 128 characters and can contain only alphanumeric characters.

NEW QUESTION 132
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?

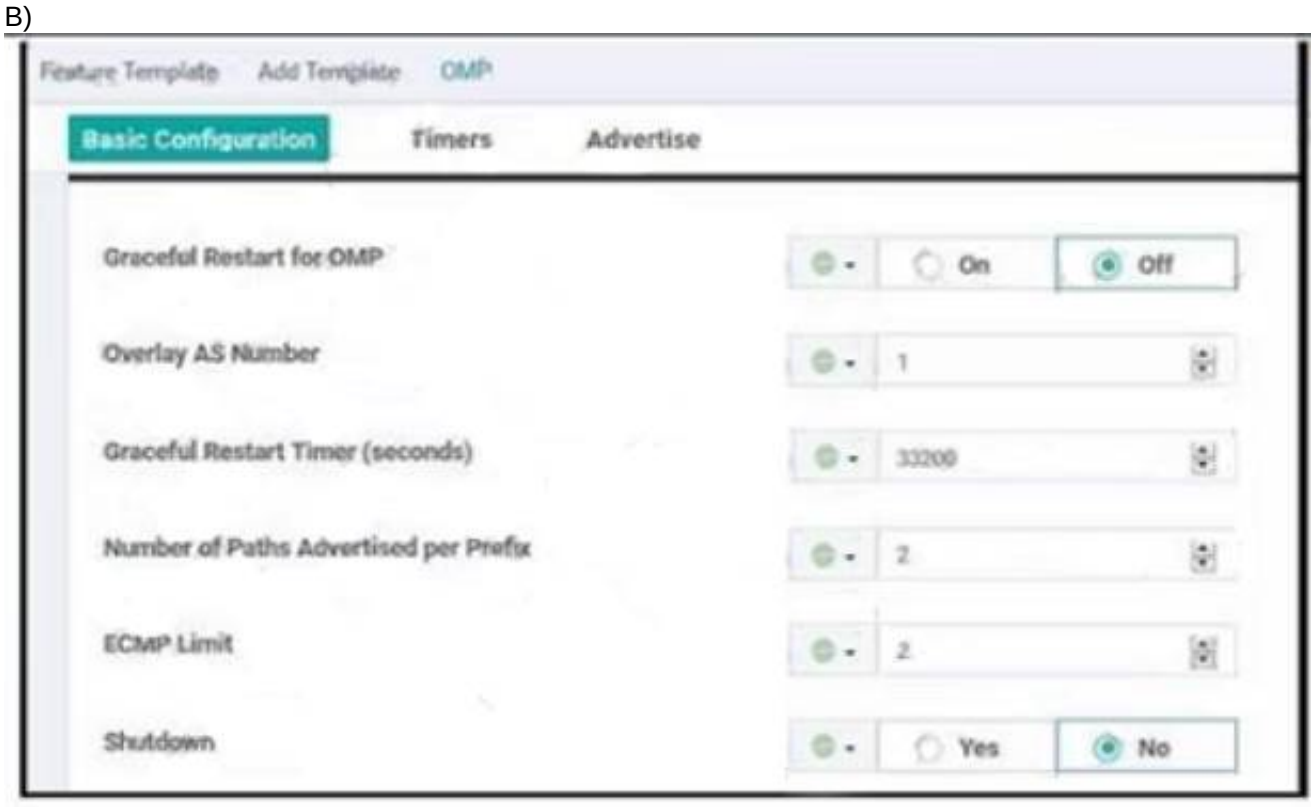
A. 2
B. 4
C. 6
D. 8

Answer: B

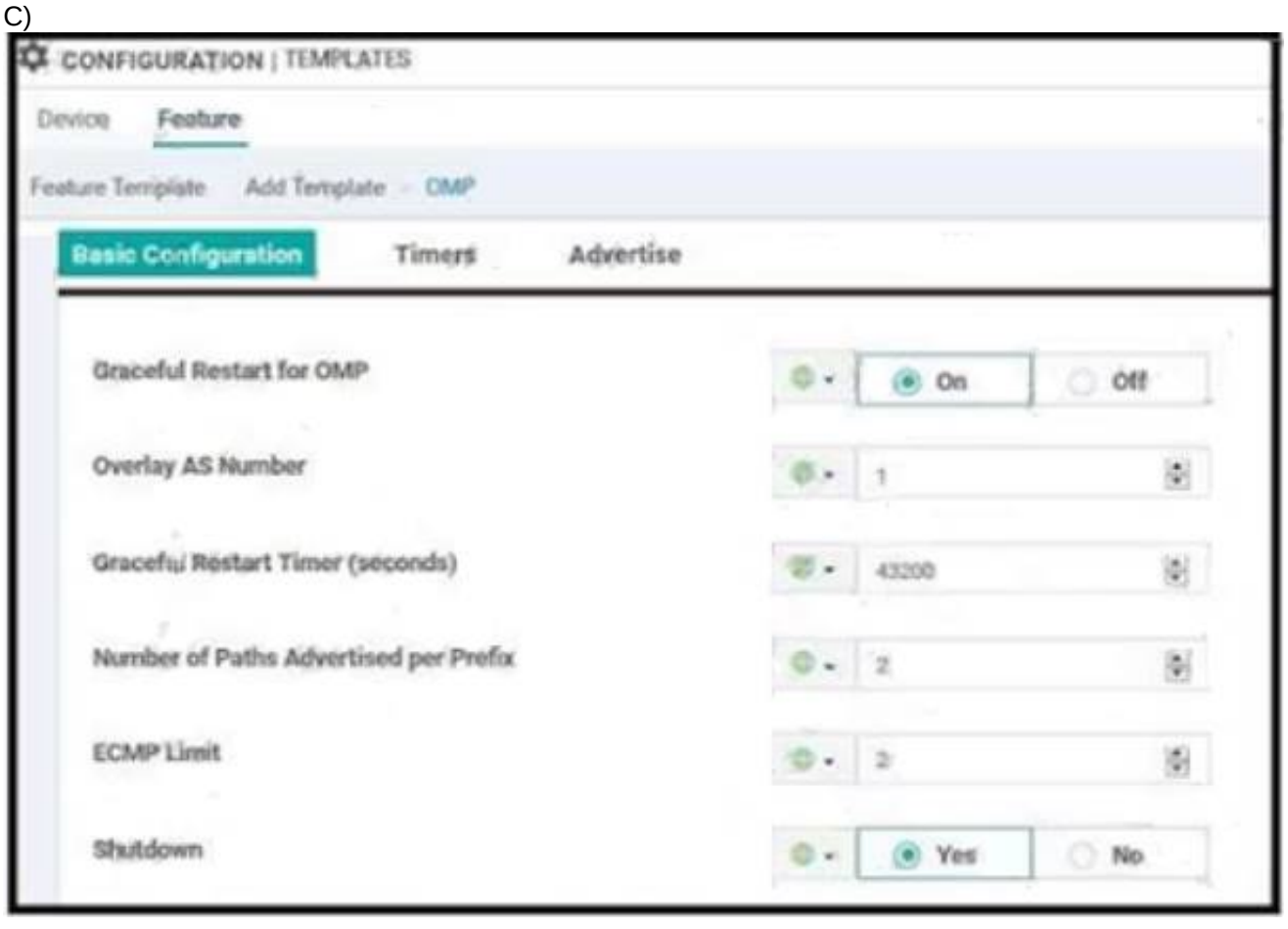
NEW QUESTION 133
A company must avoid downtime at the remote sites and data plane to continue forwarding traffic between WAN Edge devices if the branch router loses connectivity to its OMP peers Which configuration meets the requirement?
A)


CONFIGURATION | TEMPLATES
Device
Feature
Feature Template
Add Template
OMP
Basic Configuration
Timers
Advertise
Graceful Restart for OMP
On
Off
Overlay AS Number
2
Graceful Restart Timer (seconds)
300
Number of Paths Advertised per Prefix
2
ECMP Limit
2
Shutdown
Yes
No

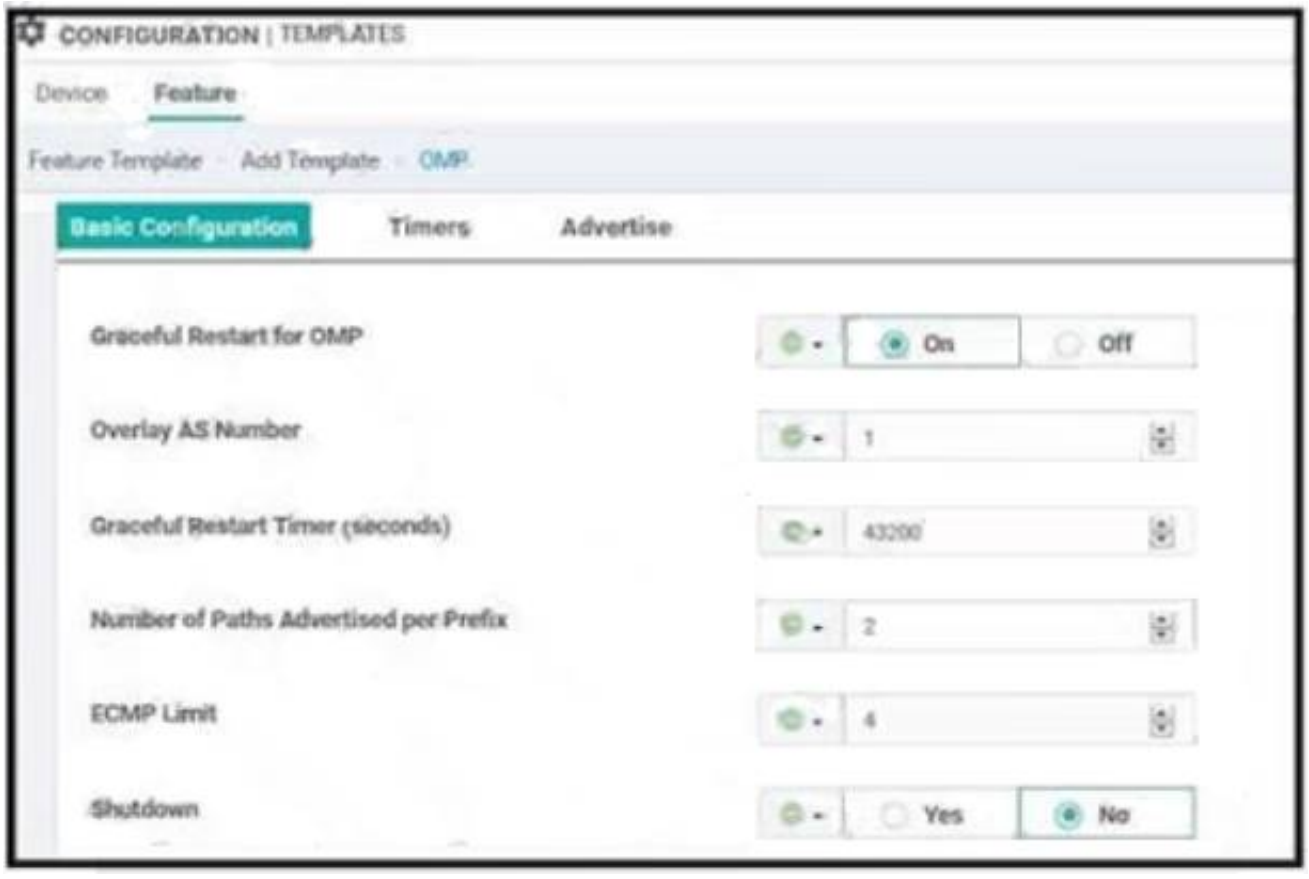
B)


Feature Template
Add Template
OMP
Basic Configuration
Timers
Advertise
Graceful Restart for OMP
On
Off
Overlay AS Number
1
Graceful Restart Timer (seconds)
33200
Number of Paths Advertised per Prefix
2
ECMP Limit
2
Shutdown
Yes
No

C)


CONFIGURATION | TEMPLATES
Device
Feature
Feature Template
Add Template
OMP
Basic Configuration
Timers
Advertise
Graceful Restart for OMP
On
Off
Overlay AS Number
1
Graceful Restart Timer (seconds)
43200
Number of Paths Advertised per Prefix
2
ECMP Limit
2
Shutdown
Yes
No

D)



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

Answer: D

NEW QUESTION 135
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 136
Which platforms are managed by a single vManage dashboard?

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

Answer: C

NEW QUESTION 141
An engineer is troubleshooting a vEdge router and identifies a “DCONFAIL – 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 145
An engineer is configuring a data policy for packets that must be captured through the policy. Which command accomplishes this task?

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

Answer: B

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

NEW QUESTION 146
A customer has MPLS and Internet as the TLOC colors An engineer must configure conlroJIers 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 148
Where on vManage does an engineer find the details of control node failure?

A. Alarms
B. Events
C. Audit log
D. Network

Answer: A

Explanation:
https://www.cisco.com/c/en/us/td/docs/routers/sdwan/vManage_How-Tos/vmanage-howto-book/m-troubleshoot

NEW QUESTION 149
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: • SHA-1 message digest SHA-256 message digest. **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. **Note** MD5 authentication protocol is deprecated for Cisco SD-WAN Release 20.3.2 and later releases.

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

NEW QUESTION 153
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 155
A customer is receiving routes via OMP from vSmart controller for a specific VPN. The customer must provide access to the W2 loopback received via OMP to the OSPF neighbor on the service-side VPN, which configuration fulfils these requirements?

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

```
vpn 0
router
 ospf
  redistribute omp route-policy OSPF_Route_Policy
 area 0
  interface ge0/2
  exit
lists
 prefix-list W2_Loopback
  ip-prefix 10.10.10.5/32
 !
 route-policy OSPF_Route_Policy
 sequence 1
  match
   address W2_Loopback
   metric-type type1
```

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

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

```
    ospf
     redistribute omp route-policy OSPF_Route_Policy
     area 0
      interface ge0/2
      exit
    lists
     prefix-list W2_Loopback
      ip-prefix 10.10.10.5/32
     !
     route-policy OSPF_Route_Policy
     sequence 1
      match
       address W2_Loopback
      !
      action accept
       set
        metric      100
        metric-type type1
```

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

Answer: D

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

NEW QUESTION 160
What is the purpose of ‘’vpn 0’’ in the configuration template when onboarding a WAN edge node?

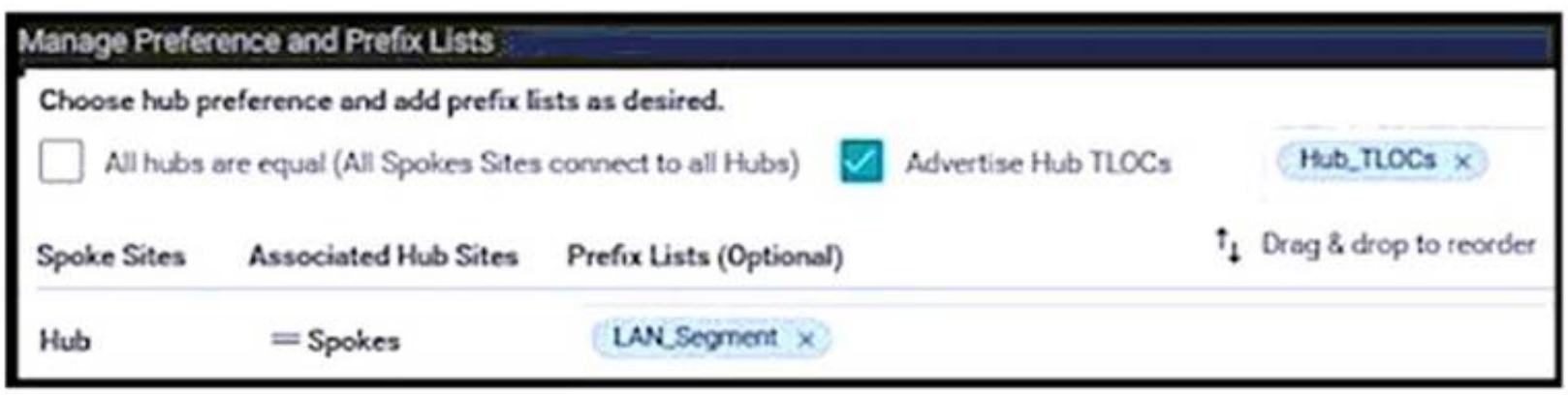
A. It carries control traffic over secure DTLS or TLS connections between vSmart controllers and vEdge routers, and between vSmart and vBond
B. It carries control out-of-band network management traffic among the Viptela devices in the overlay network.
C. It carries control traffic over secure IPsec connections 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

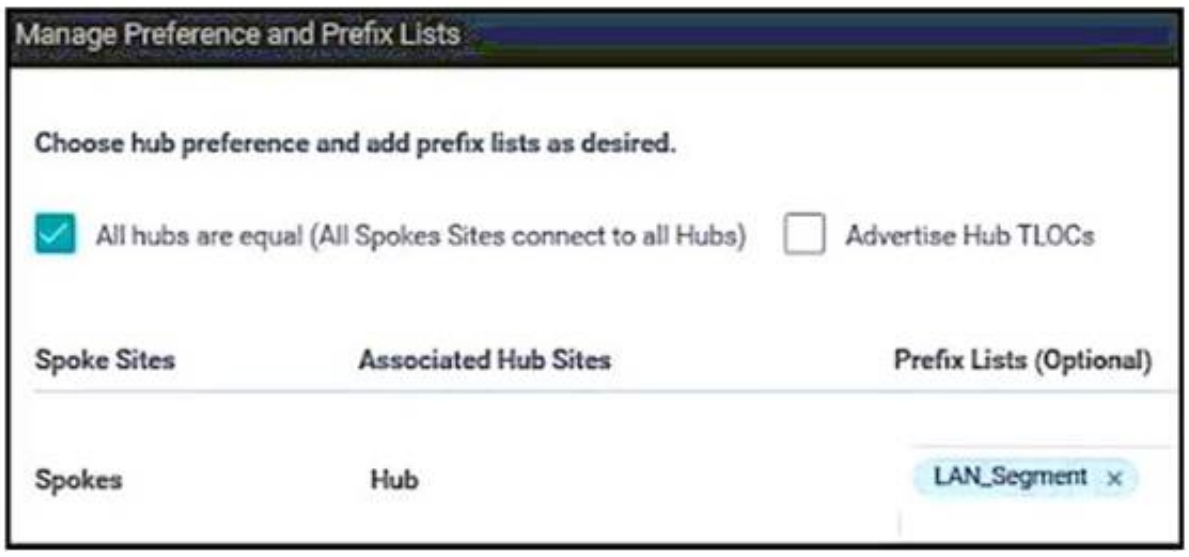
Explanation:

- 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 165
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)

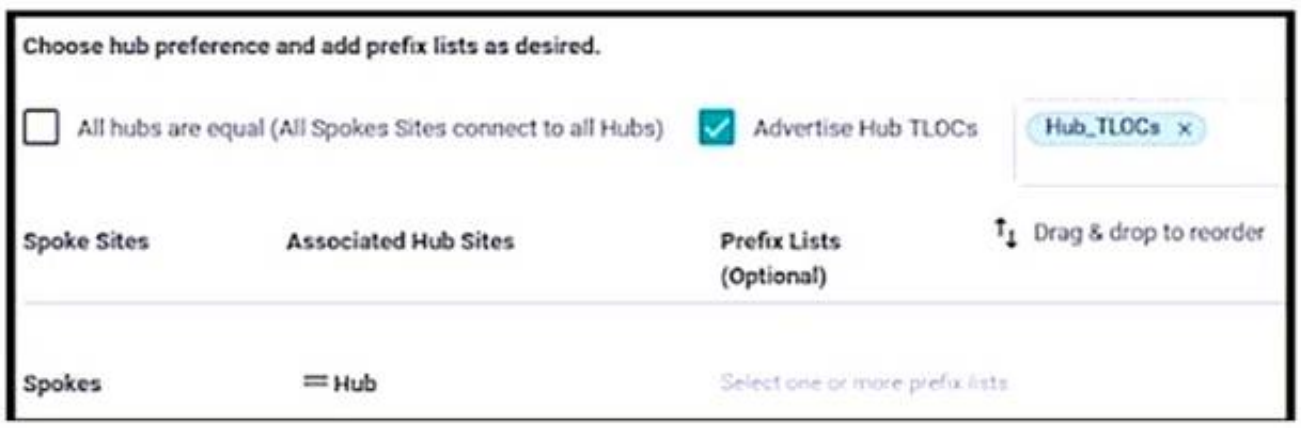


B)



C)

D)



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

Answer: D

NEW QUESTION 167
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 170
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?

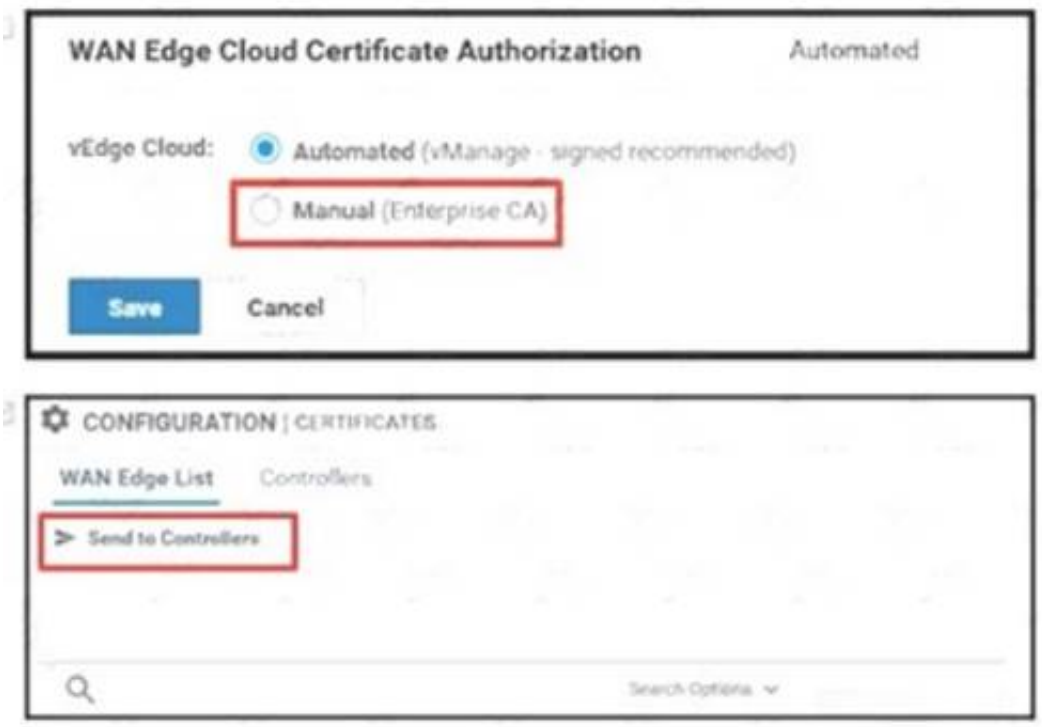
A. Cloud QoS Service side
B. Cloud QoS
C. NetFlow
D. Application

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 172
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

NEW QUESTION 174
Drag and drop the security terminologies from the left onto the PCI-compliant network features and devices on the right.

A. Mastered
B. Not Mastered

Answer: A

Explanation:
Graphical user interface, application Description automatically generated

NEW QUESTION 176
What is an attribute of TLOC'?

A. encryption
B. local preference
C. tag
D. service

Answer: C

NEW QUESTION 177
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_synccdb.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

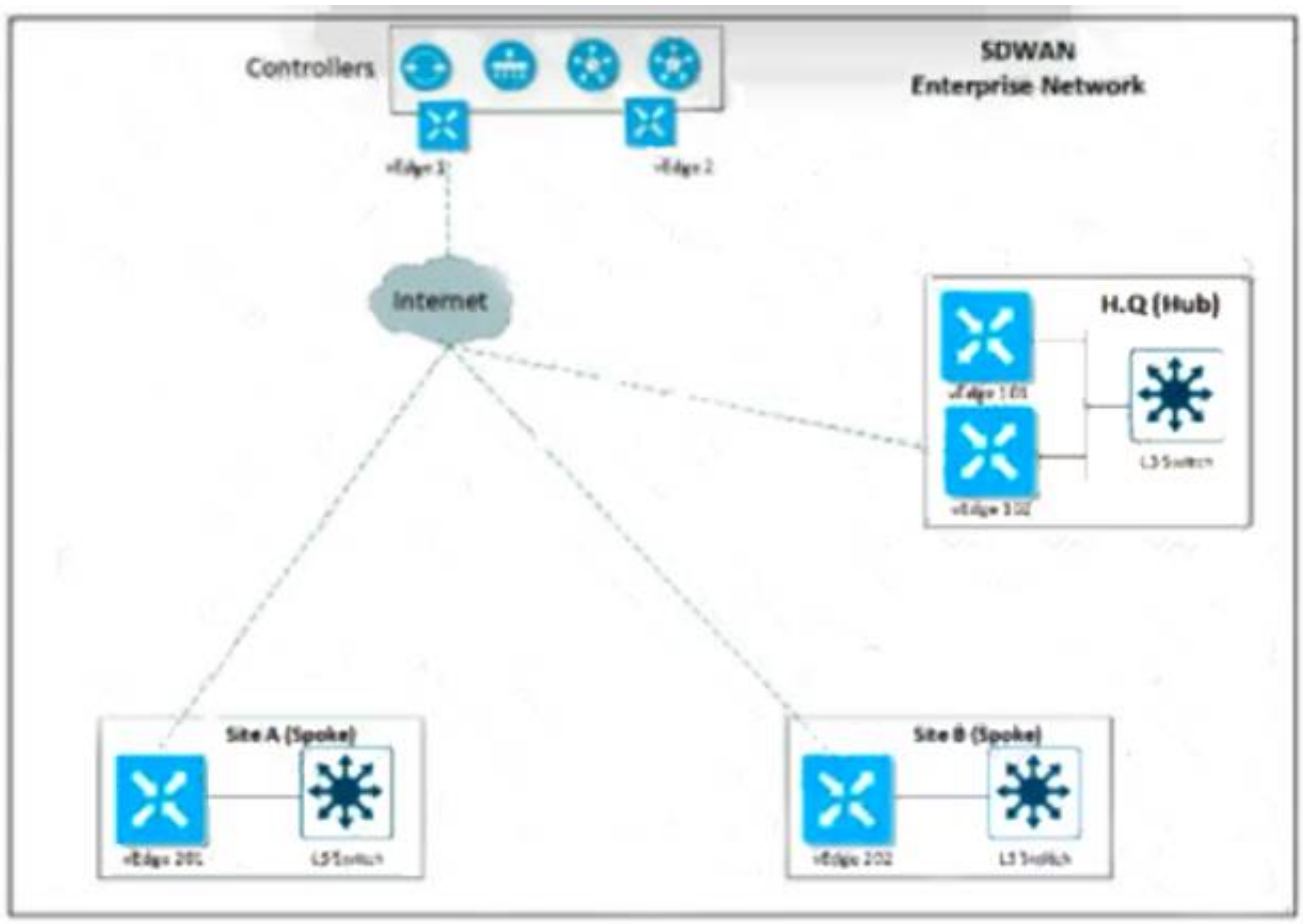
Answer: B

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 logsViptela(config-logs)# audit-disableViptela(config-logs)# netconf-disable
```

NEW QUESTION 178
Refer to the exhibit



An engineer must configure a QoS policy between me hub and site A (spoke) over a standard internet circuit where traffic shaping is adjusted automatically based on evaiiabk» 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 181
Which value is verified in the certificates to confirm the identity of the physical WAN Edge device?

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

Answer: A

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

NEW QUESTION 182
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 185
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 187
Drag and drop the actions from the left into the correct sequence on the right to create a data policy to direct traffic to the Internet exit.

A. Mastered
B. Not Mastered

Answer: A

Explanation:
Step 1 – Enable NAT Functionality Step 2 – Create centralized data policy
Step 3 – Identify VPN and match criteria Step 4 – Apply data policy

NEW QUESTION 188
Which type of connection is created between a host VNet and a transit VNet when configuring Cloud OnRamp for IaaS?

A. Azure private endpoint
B. GRE tunnel
C. IPsec tunnel
D. Azure peer link

Answer: C

NEW QUESTION 190
Refer to the exhibit

```
vpn 1
service netsvc1 interface ipsec1

from-vsmart data-policy _1_ServiceIsertionIPSec
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 192
Drag and drop the components from the left onto the corresponding Cisco NFV infrastructure Building Blocks on the right. Not all options are used.

A. Mastered
B. Not Mastered

Answer: A

Explanation:

Cisco NFV Infrastructure Building Blocks

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

NEW QUESTION 194
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 199
Which two REST API functions are performed for Cisco devices in an overlay network? (Choose two)

A. distributing a Snort image among devices
B. attaching a device configuration template
C. managing connections for smart licensing
D. monitoring device certificates
E. querying a device and aggregating statistics

Answer: BD

NEW QUESTION 202
Which protocol is used to measure loss latency, Jitter, and liveliness of the tunnel between WAN Edge router peers?

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

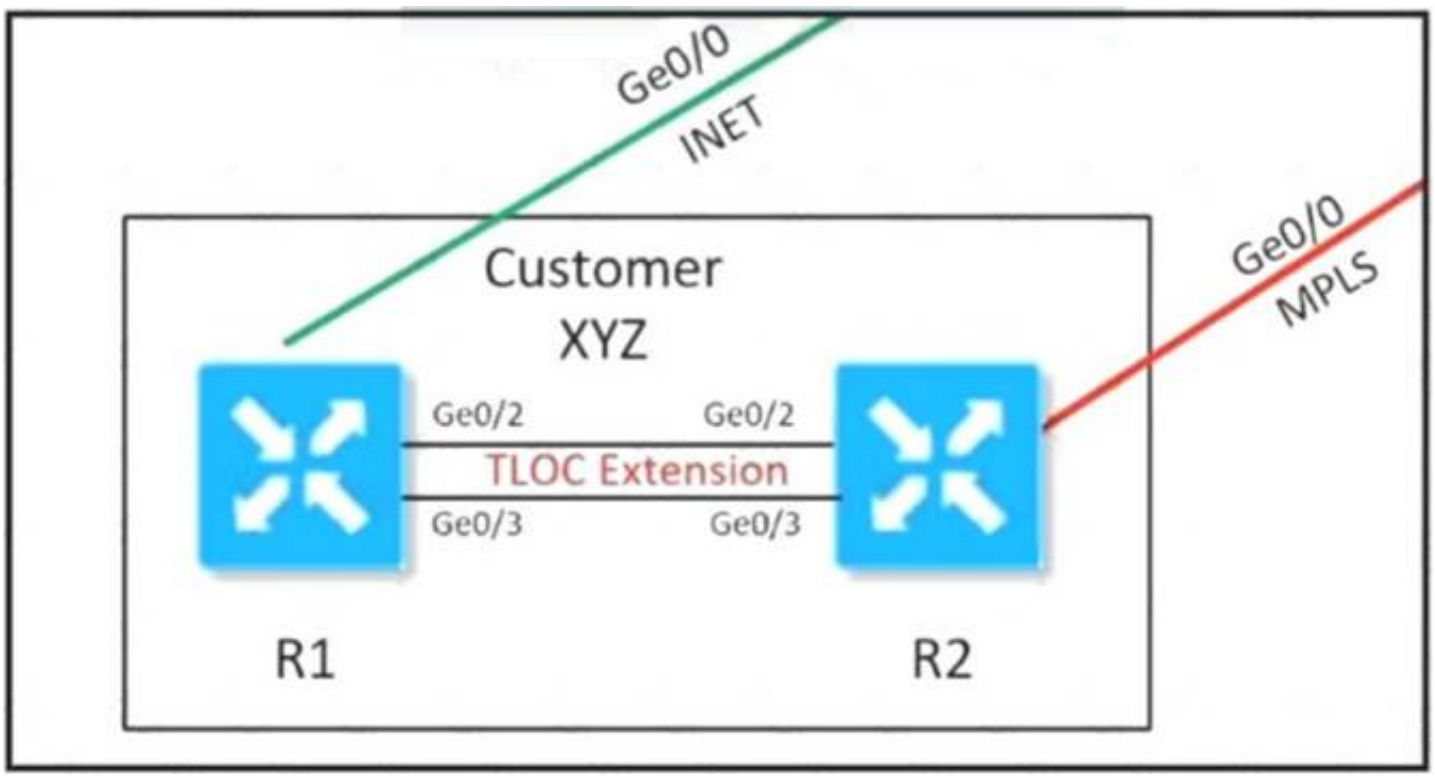
Answer: D

NEW QUESTION 203
WAN Edge routers are configured manually to use UDP port offset to use nondefault offset values when IPsec tunnels are created. What is the offse range?

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

Answer: C

NEW QUESTION 208
Refer to the exhibit.



Customer XYZ cannot provision dual connectivity on both of its routers due to budget constraints but wants to use both R1 and R2 interlaces for users behind them for load balancing toward the hub site. Which configuration achieves this objective?

A.

```
R1
interface ge0/2
 ip address 43.43.43.2/30
 tloc-extension ge0/0

interface ge0/3
 ip address 34.34.34.1/30
 tunnel-interface
  color mpls

R2
interface ge0/2
 ip address 43.43.43.1/30
 tunnel-interface
    color public-internet

interface ge0/3
 ip address 34.34.34.2/30
 tloc-extension ge0/0
```

B.

```
R1
interface ge0/2
 ip address 43.43.43.2/30
 tloc-extension ge0/0

interface ge0/3
 ip address 34.34.34.2/30
 tloc-extension ge0/0

R2
interface ge0/2
   ip address 43.43.43.1/30
 tunnel-interface
    color public-internet

interface ge0/3
 ip address 34.34.34.1/30
```

C.

```
R1
interface ge0/2
 ip address 43.43.43.2/30
 tloc-extension ge0/0

interface ge0/3
   ip address 34.34.34.2/30
 tloc-extension ge0/0

R2
interface ge0/2
 ip address 43.43.43.1/30

interface ge0/3
 ip address 34.34.34.1/30
```

D.

```
R1
interface ge0/2
   ip address 43.43.43.2/30
 tloc-extension ge0/0

interface ge0/3
 ip address 34.34.34.1/30
 tunnel-interface
  color mpls

R2
interface ge0/2
 ip address 43.43.43.1/30
 tunnel-interface
    color public-internet

interface ge0/3
 ip address 34.34.34.2/30
 tloc-extension ge0/2
```

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

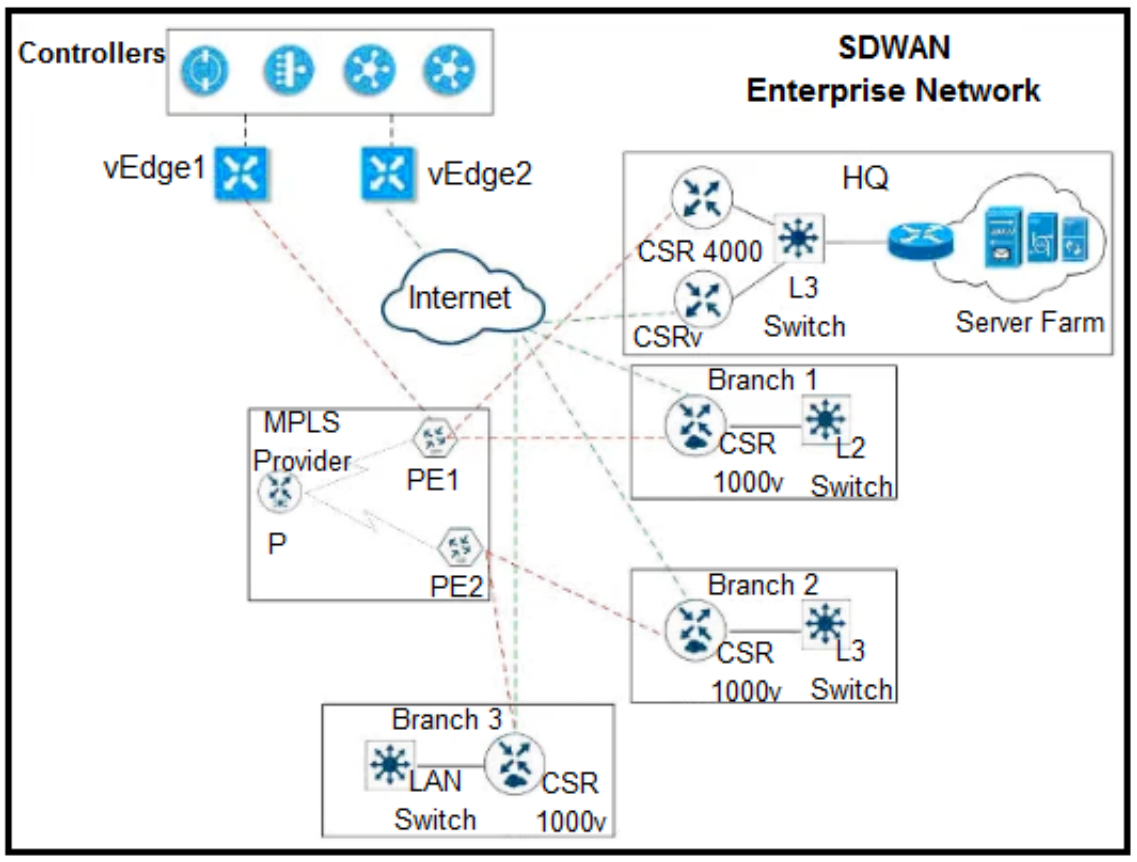
Answer: A

NEW QUESTION 210
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 212
Refer to the exhibit



The network team must configure EIGRP peering at HQ with devices in the service VPN connected to WAN Edge CSRv. CSRv is currently configured with

```
viptela-system:system
 device-model       vedge-cloud
 host-nam                  CSRv
 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
```

Which configuration on the WAN Edge meets the requirement?

Which configuration on the WAN Edge meets the requiremnet

A)

```
vpn 0
 router
  eigrp
   address-family ipv4-unicast
    maximum-path paths 4
    network 10.0.0.0/28
    redistribute omp

interface ge0/0
 description "*** Internet Circuit ***"
 ip address 209.165.200.229/30
 tunnel-interface
  encapsulation ipsec
  color public-internet
  allow-service all

vpn 512
interface eth0
 shutdown
```

B)

```
vpn 0
vpn 1
interface ge0/0
 description "*** Internet Circuit ***"
 ip address 209.165.200.229/30
 tunnel-interface
  encapsulation ipsec
  color public-internet
  allow-service all

 router
  eigrp
   address-family ipv4-unicast
    maximum-path paths 4
    network 10.0.0.0/28
    redistribute omp

interface ge0/1
 ip address 10.0.0.1/28

vpn 512
interface eth0
 shutdown
```

C)

```
vpn 0
interface ge0/0
 description "*** Internet Circuit ***"
 ip address 209.165.200.229/30
 tunnel-interface
  encapsulation ipsec
  color public-internet
  allow-service all

vpn 1
 router
  eigrp
   address-family ipv4-unicast
    maximum-path paths 4
    network 10.0.0.0/28
    redistribute omp

interface ge0/1
 ip address 10.0.0.1/28

vpn 512
interface eth0
 shutdown
```

D)

```
vpn 0
interface ge0/0
 description "*** Internet Circuit ***"
 ip address 209.165.200.229/30
 tunnel-interface
  encapsulation ipsec
  color public-internet
  allow-service all

router
 eigrp
  address-family ipv4-unicast
   maximum-path paths 4
   network 10.0.0.0/28
   redistribute omp

vpn 512
interface eth0
 shutdown
```

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

Answer: C

NEW QUESTION 214
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 216
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-extention 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 217
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 220
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:

1. 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.)

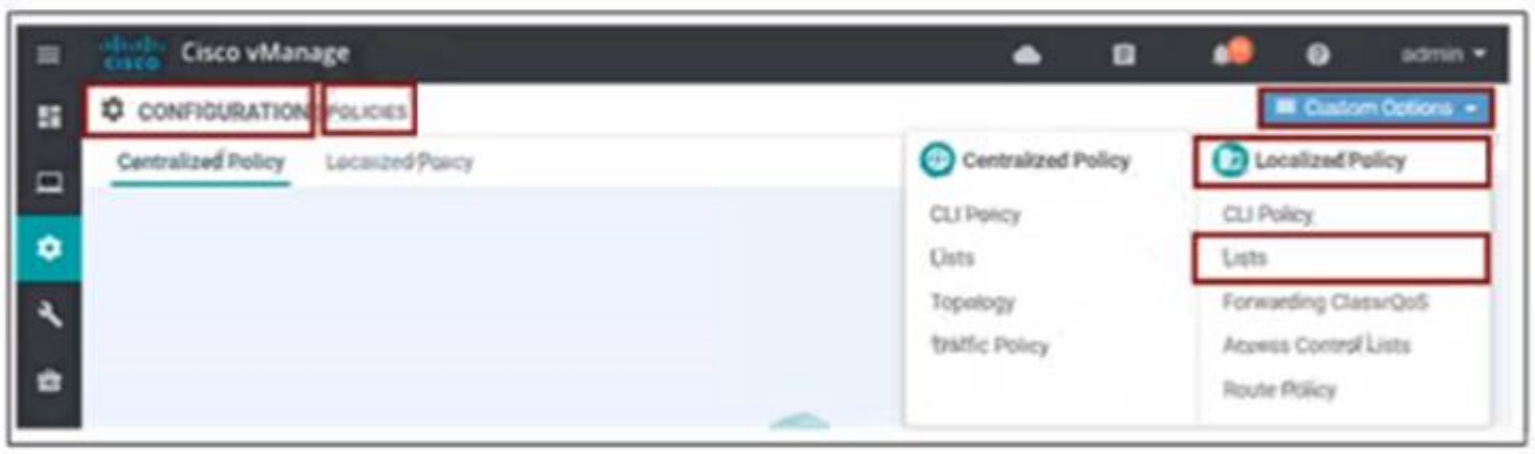
```
vpn 10
  service FW address 1.1.1.1
```

2. 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
```

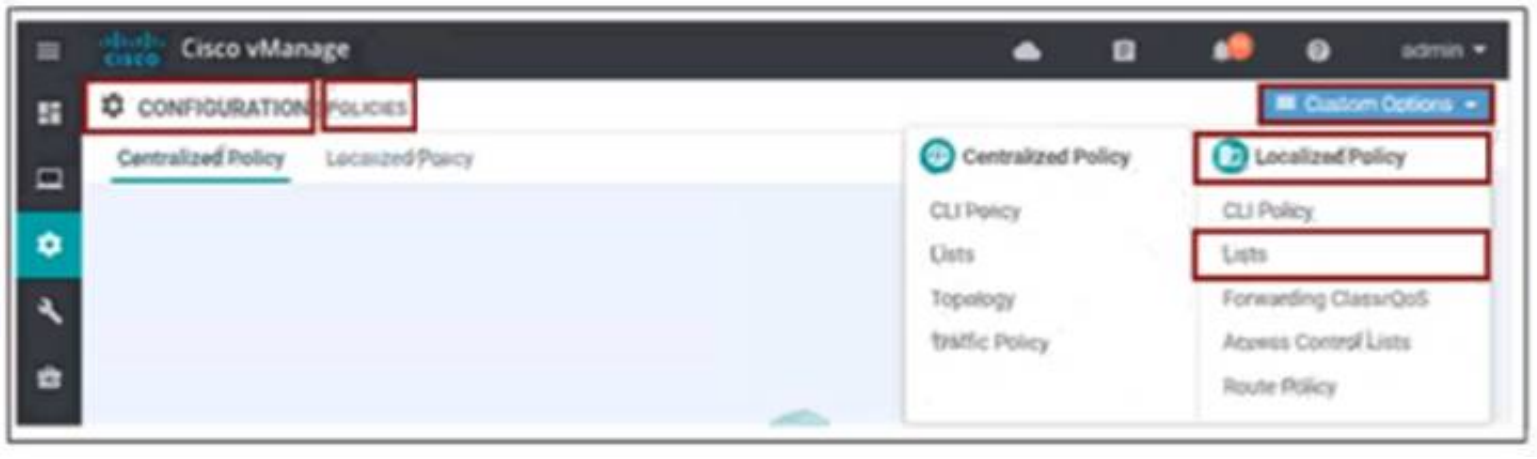
NEW QUESTION 223
An engineer must create a QoS policy by creating a class map and assigning it to the LLQ queue on a WAN Edge router Which configuration accomplishes the task?
A)

B)



C)

D)



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

Answer: D

NEW QUESTION 224
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 l6
D. 0.0.0.0/16 ge 1

Answer: A

NEW QUESTION 225
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 rode from the three-node vManage duster
B. Use the cluster conversion utility lo convert to standalone vManage
C. Restore vManage from the backup VM snapshot
D. Leave the duller as & and point to one vManage

Answer: B

NEW QUESTION 229
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 231
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 234
In which VPN is the NAT operation on an outgoing interface configured for direct Interne! access?

A. 1
B. 10
C. 512

Answer: D

NEW QUESTION 235
An engineer must deploy a QoS policy with these requirements:
• policy name: App-police
• police rate: 1000000
• burst: 1000000
• exceed: drop
Which configuration meets the requirements?

A.
```
vpn-list VPN10
 sequence 1
  match
   app-list youtube
  action accept
   set
    policer App-police
```

B.
```
policy
 data-policy policy-name
  vpn-list 10
   sequence 1
    action accept
     set
      policer App-police
```

C.
```
vpn 10
 interface ge0/0/0
  set
   policer App-police in
  default action accept
```

D.
```
policy
 action accept
  set
   policer App-police
```

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

Answer: B

NEW QUESTION 238
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

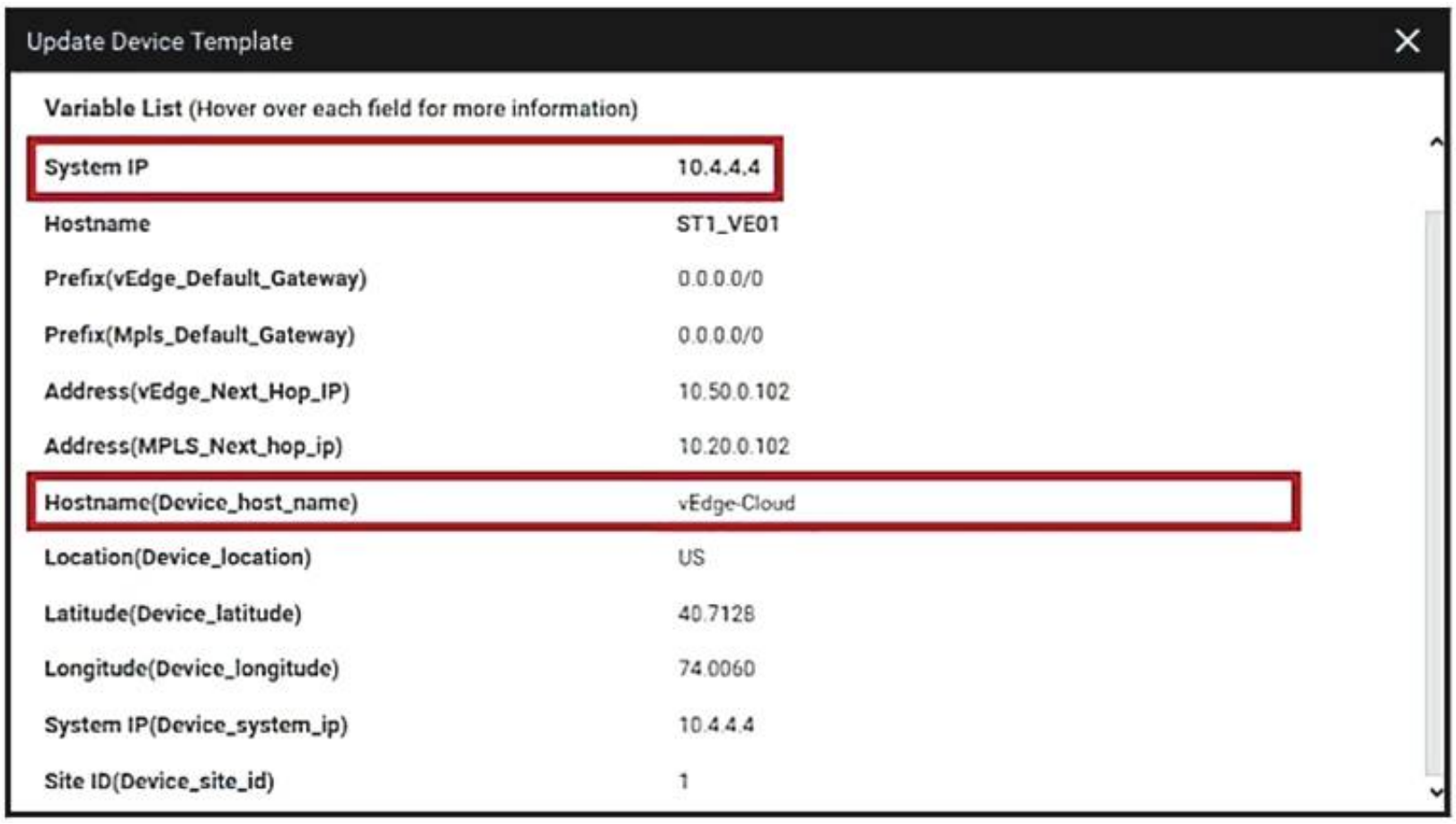
NEW QUESTION 239
An engineer is configuring a data policy IPv4 prefixes for a site WAN edge device on a site with edge devices. How is this policy added using the policy configuration wizard?

A. In vManage NMS select (he configure policies screen, select the centralized policy tab and click add policy
B. In vBood orchestrato

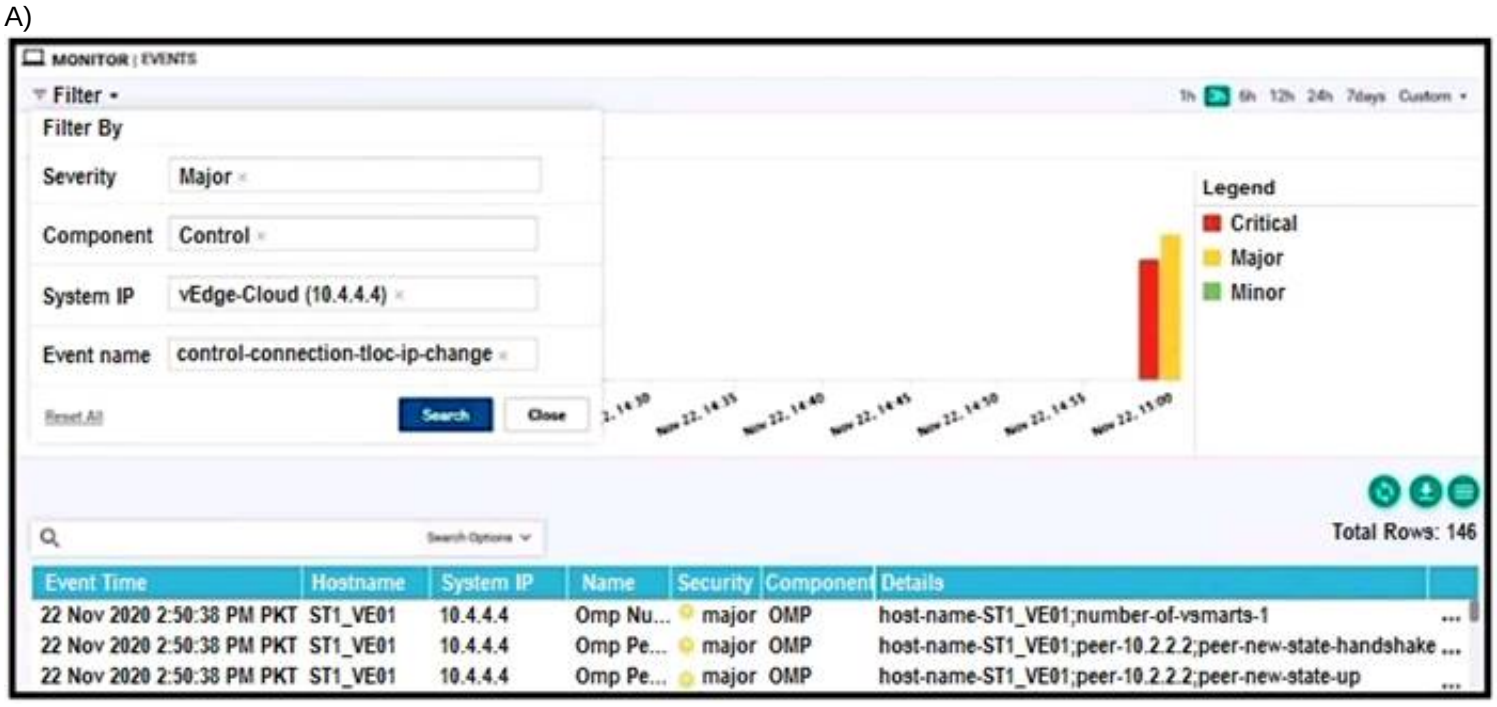
C. select the configure > policies screen select the localized policy ta
D. and click add policy
E. In vManage NM
F. select the configure policies scree
G. select the localized policy tab- and click add policy
H. In vSmart controller select tie configure policies screen, select the localized policy tab, and click add policy

Answer: C

NEW QUESTION 241
Refer to the exhibit.

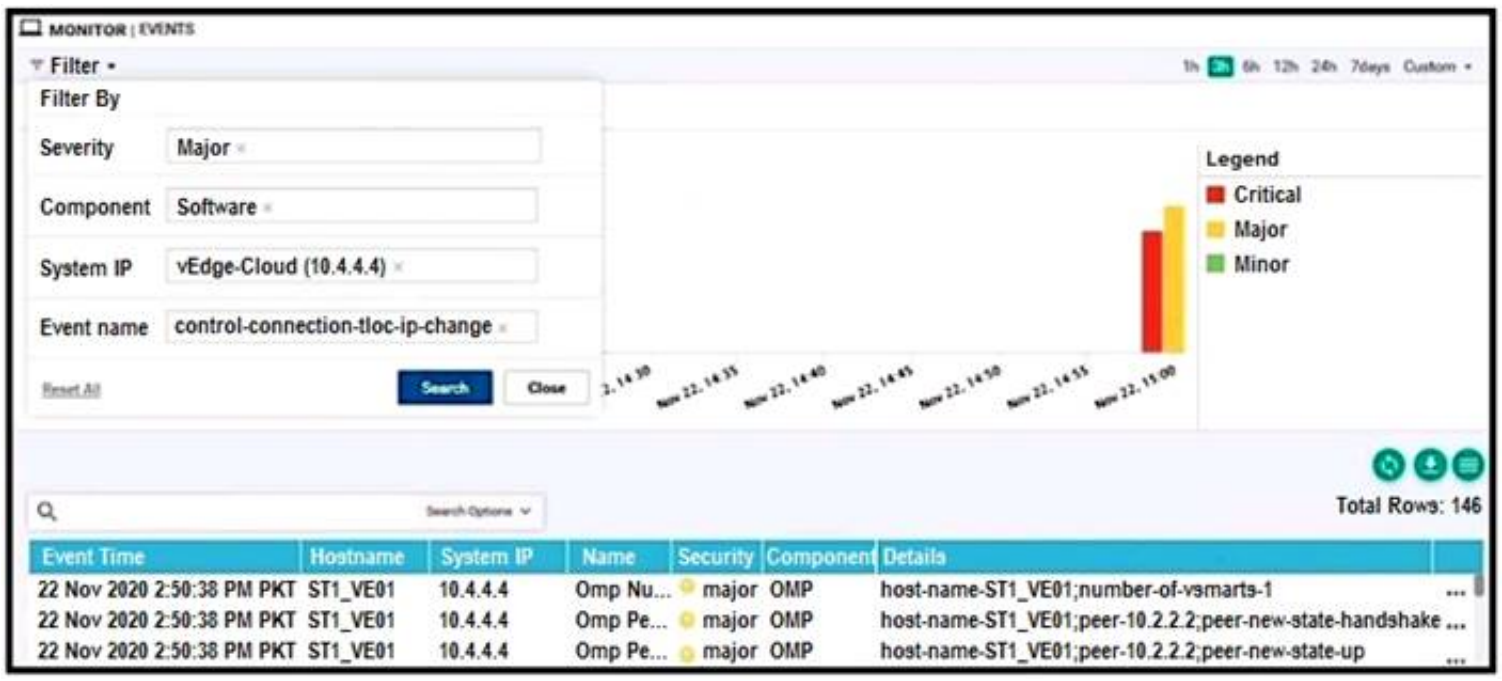


vManage logs are available for the past few months. A device name change deployed mistakenly at a critical site. How is the device name change tracked by operation and design teams?
A)

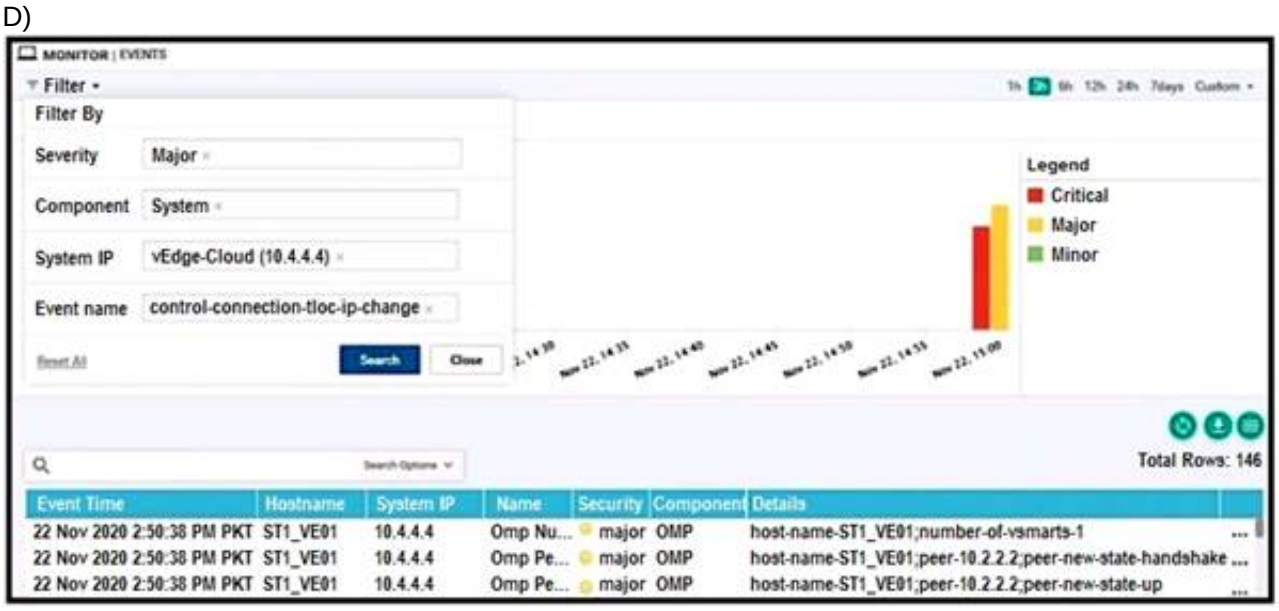


B)

C)



D)



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

Answer: D

NEW QUESTION 245
Refer to the exhibit.

```
PEER    PEER      PEER        SITE  DOMAIN  PEER        PEER
TYPE    PROTOCOL  SYSTEM IP   ID    ID      PRIVATE IP  PRIVATE PORT
------------------------------------------------------------------------
vsmart  dtls      10.1.1.8    1     0       1.1.1.1     12447
vmanage dtls      10.1.1.7    1     1       2.2.2.2     12647
vmanage dtls      10.1.1.7    1     1       2.2.2.2     12867

                                                  LOCAL
LOCAL COLOR   STATE  ERROR  ERROR  LOCAL UNIT
------------------------------------------------------------------------
gold          up     LISFD  NOERR  45
gold          up     LISFD  NOERR  70
gold          up     LISFD  NOERR  69
```

An engineer is troubleshooting a control connection issue on a WAN Edge device that shows socket errors. The packet capture shows some ICMP packets dropped between the two devices. Which action resolves the issue?

A. Recover the vManage controller that is down m a high availability cluster
B. Change the system IP or restart the VWN Edge 4 the system IP is changed
C. Remove IP duplication in the network and configure a unique IP address
D. Recover vBond or wart for the controller to reload which could be caused by a reset

Answer: C

NEW QUESTION 247
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-optimizatio

NEW QUESTION 250
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 251
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 252
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 254
Which scheduling method is configured by default for the eight queues in the cloud vEdge router1?

A. low latency queue
B. priority queue
C. weighted random early detection
D. weighted round robin

Answer: D

NEW QUESTION 255
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 257
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 262
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 265
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 270
Which multicast component is irrelevant when defining a multicast replicator outside the local network without any multicast sources or receivers?

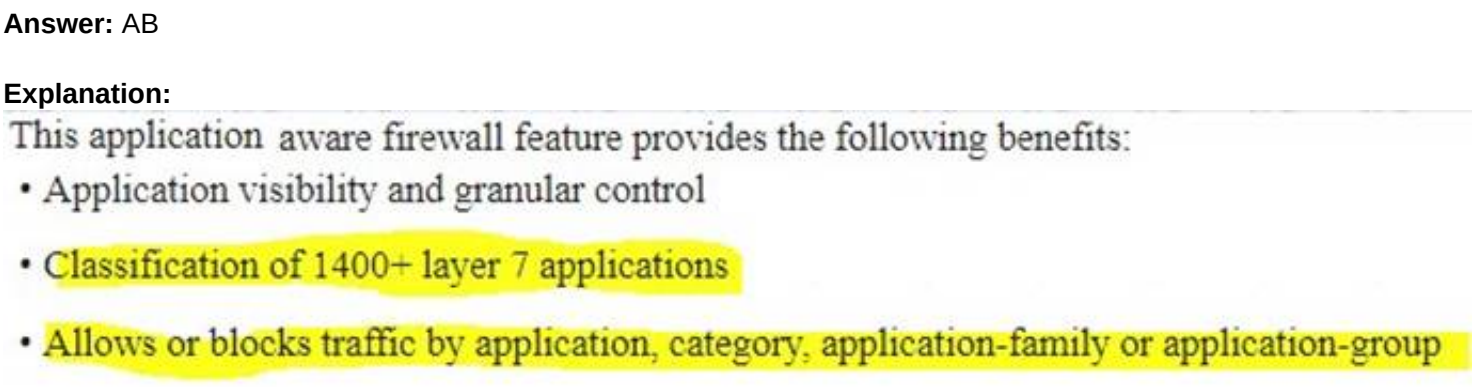
A. PIM interfaces
B. TLOC
C. overlay BFD
D. OMP

Answer: A

NEW QUESTION 272
Which two features does the application firewall provide? (Choose two.)

A. classification of 1400+ layer 7 applications
B. blocks traffic by application or application-family
C. numbered sequences of match-action pairs
D. classification of 1000+ layer 4 applications
E. application match parameters

Answer: AB

Explanation:

This application aware firewall feature provides the following benefits:
- Application visibility and granular control
- Classification of 1400+ layer 7 applications
- Allows or blocks traffic by application, category, application-family or application-group

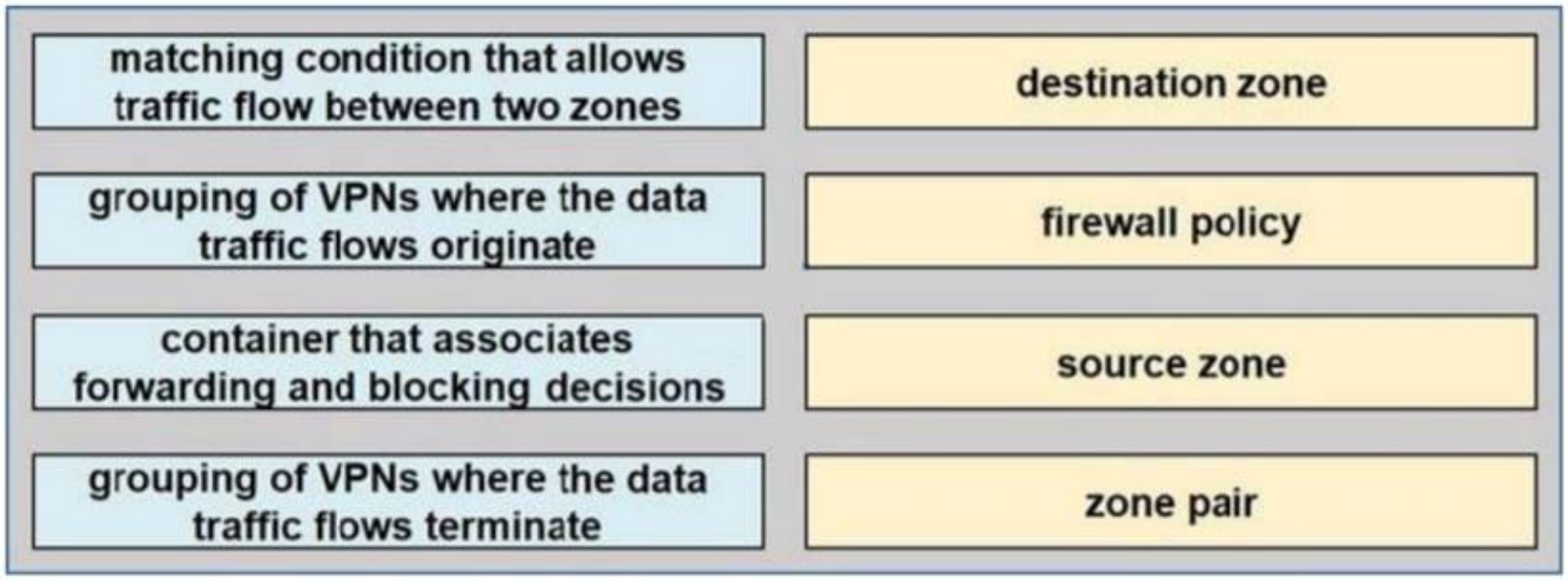
NEW QUESTION 273
Which on-the-box security feature supported by the Cisco ISR 4451 SD-WAN device and not on vEdge?

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

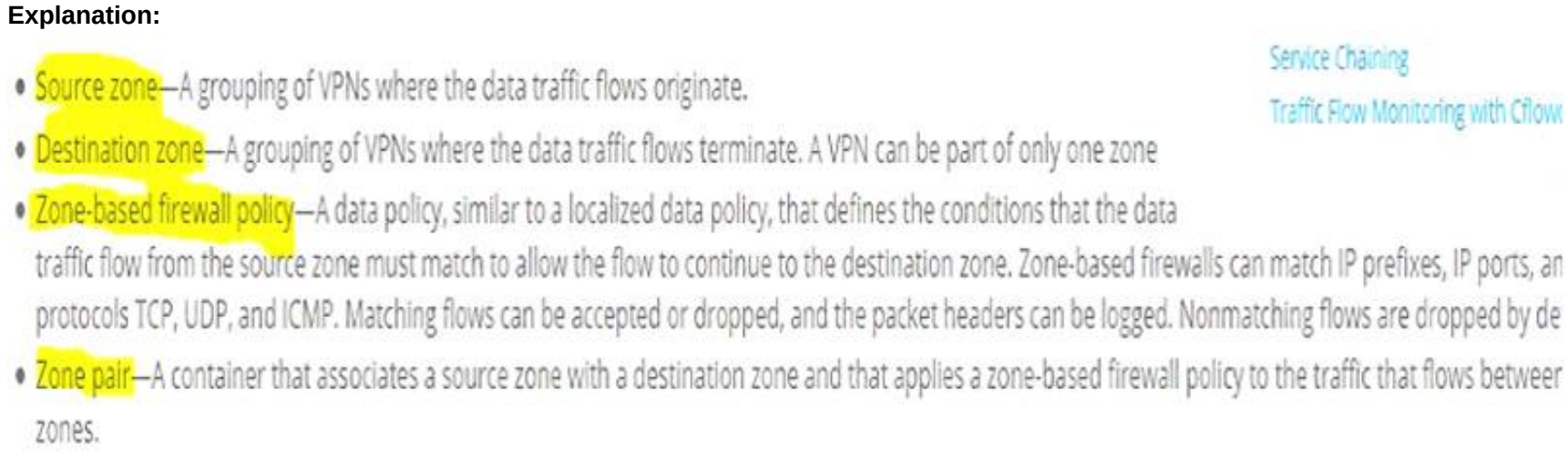
NEW QUESTION 274
Drag and drop the definitions from the left to the configuration on the right.



A. Mastered
B. Not Mastered

Answer: A

Explanation:



NEW QUESTION 275
What is a benefit of the application-aware firewall?

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

Answer: C

NEW QUESTION 278
Which two mechanisms are used to guarantee the integrity of data packets in the Cisco SD-WAN architecture data plane? {Choose two)

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

Answer: BE

Explanation:
https://sdwan-docs.cisco.com/Product_Documentation/Software_Features/Release_18.4/Security/01Security_Ov

NEW QUESTION 279
Which routing protocol is used to exchange control plane information between vSmart controllers and WAN Edge routers in the Cisco SD-WAN secure extensible network?

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

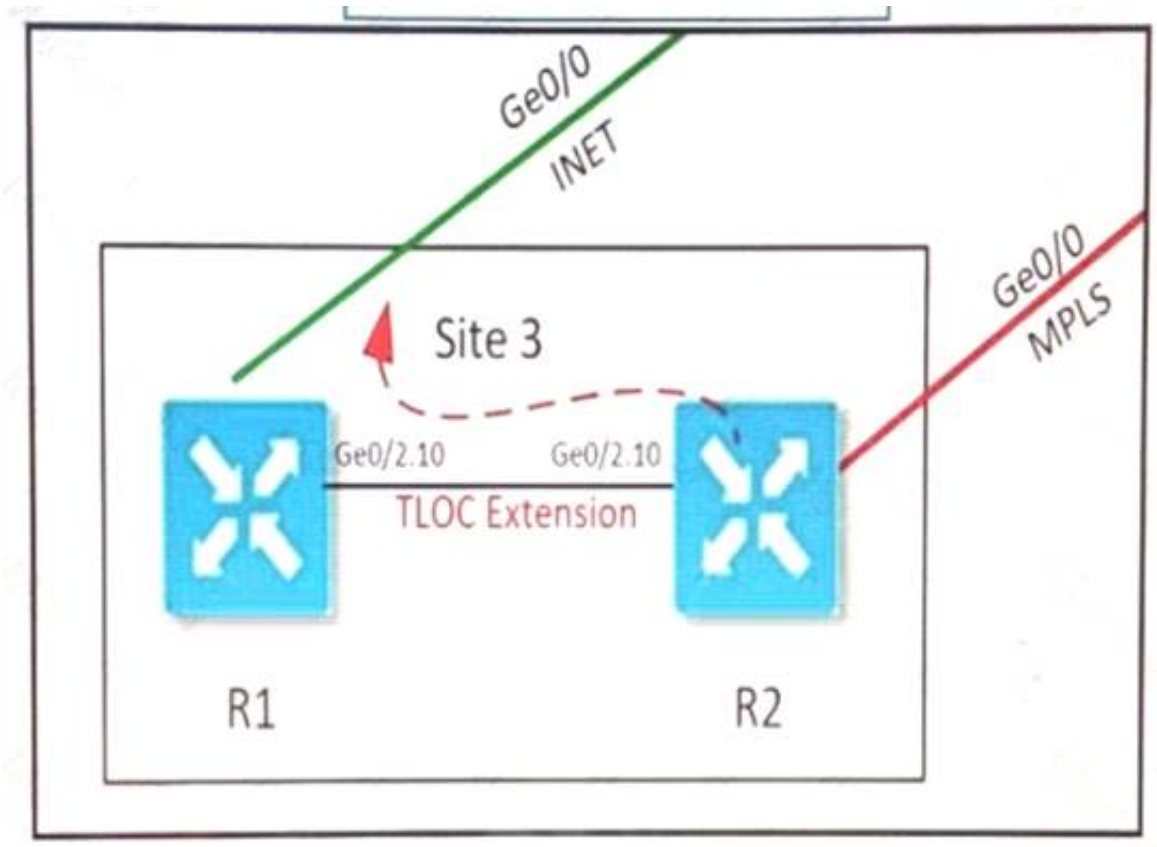
Answer: D

NEW QUESTION 280
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-plabe 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 vSmar
D. and finally on the Cisco WAN Edge devices.
E. Upgrade and reboot are performed first on vBon
F. then on vSmar
G. and finally on the Cisco WAN Edge devices.

Answer: C

NEW QUESTION 284
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 285
Which two products are used to deploy Cisco WAN Edge Router virtual platforms? (Choose two.)

A. HP ProLiant DL360 Generatton10 running HP-UX
B. Cisco ENCS 5000 Series
C. Sun SPARC Node running AIX
D. Cisco UCS
E. Sun Enterprise M4000 Server running Sun Solans

Answer: BD

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

NEW QUESTION 287
A customer wants to use AWS for Cisco SD-WAN laaS services by deploying virtual SD-WAN routers in a transit AWS VPC The transit VPC then connects via site-to-site IPsec tunnels to an AWS transit gateway Which transit VPC connects via site-to-site IPsec tunnels to an AWS transit gateway?

A. Cisco Cloud onRamp for Multicloud
B. Cisco Cloud onRamp for SaaS
C. Cisco Cloud onRamp for Colocation
D. Cisco Cloud onRamp for laaS

Answer: D

NEW QUESTION 290
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 294
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 295

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