

300-415 Dumps

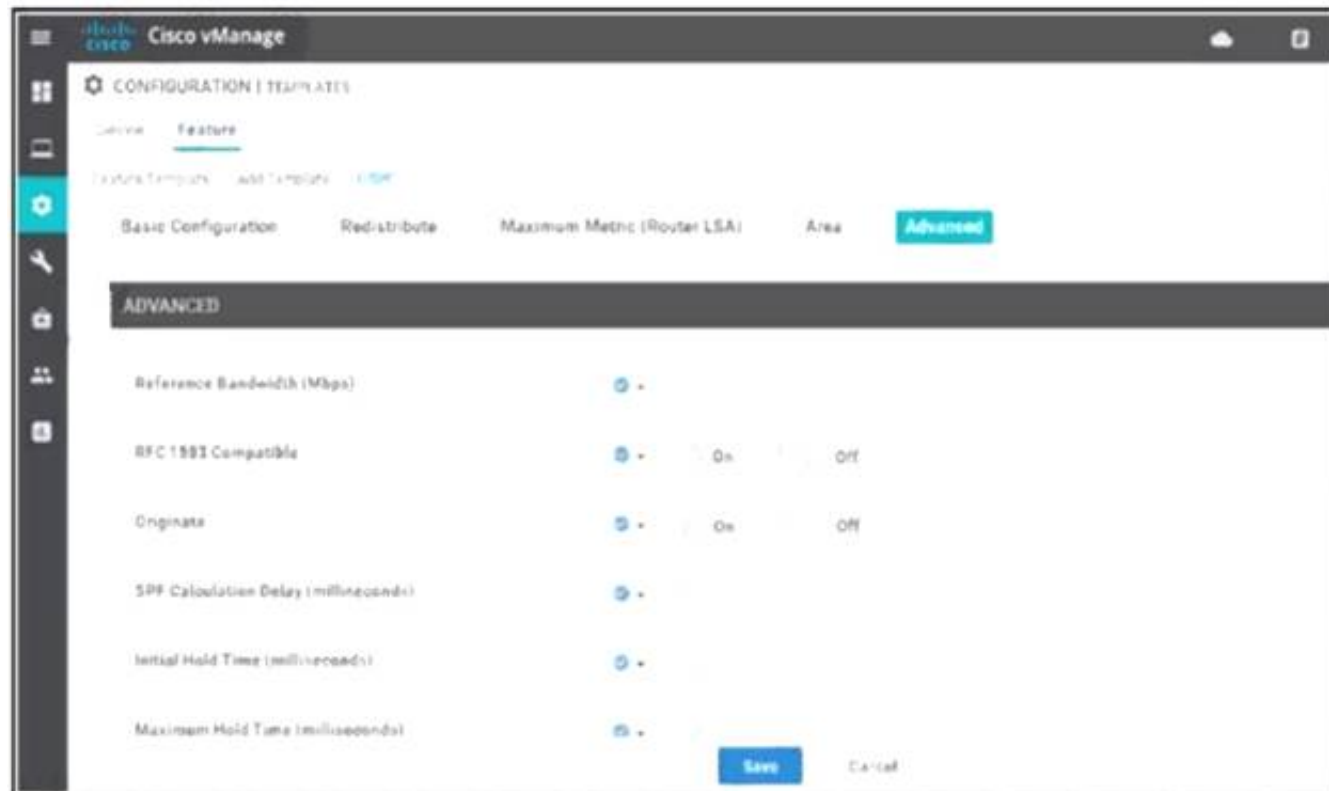
Implementing Cisco SD-WAN Solutions (ENSDWI)

<https://www.certleader.com/300-415-dumps.html>



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

Answer: C

NEW QUESTION 2

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 3

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 4

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

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

Answer: D

NEW QUESTION 5

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 6

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

- A. Real Time
- B. System Status
- C. ACL Logs
- D. Events

Answer: A

Explanation:

- Using Cisco vManage:

View the configured services on the Real Time monitoring page (Monitor > Network > hub-device > Real Time). For Device Options, select OMP Services.

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

NEW QUESTION 7

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

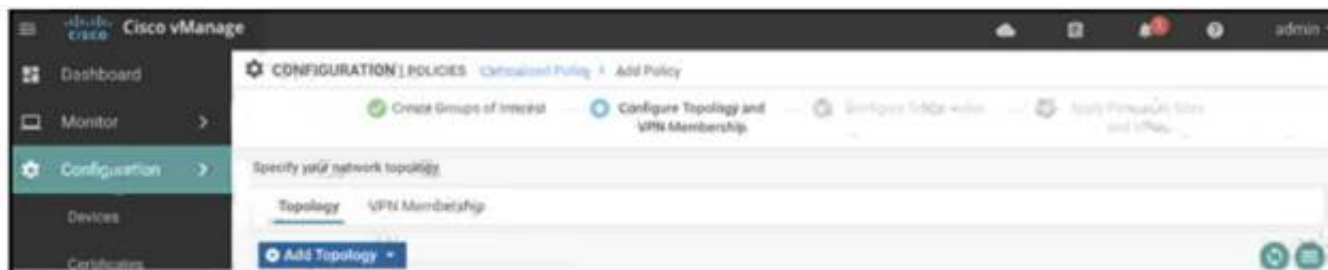
This section explains the protocols supported for unicast routing.

- 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 8

Refer to the exhibit.



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

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

Answer: D

Explanation:

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

NEW QUESTION 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

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

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

Answer: B

Explanation:

In the Add Tenant window:

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

NEW QUESTION 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 12

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

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

Answer: AD

NEW QUESTION 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
!

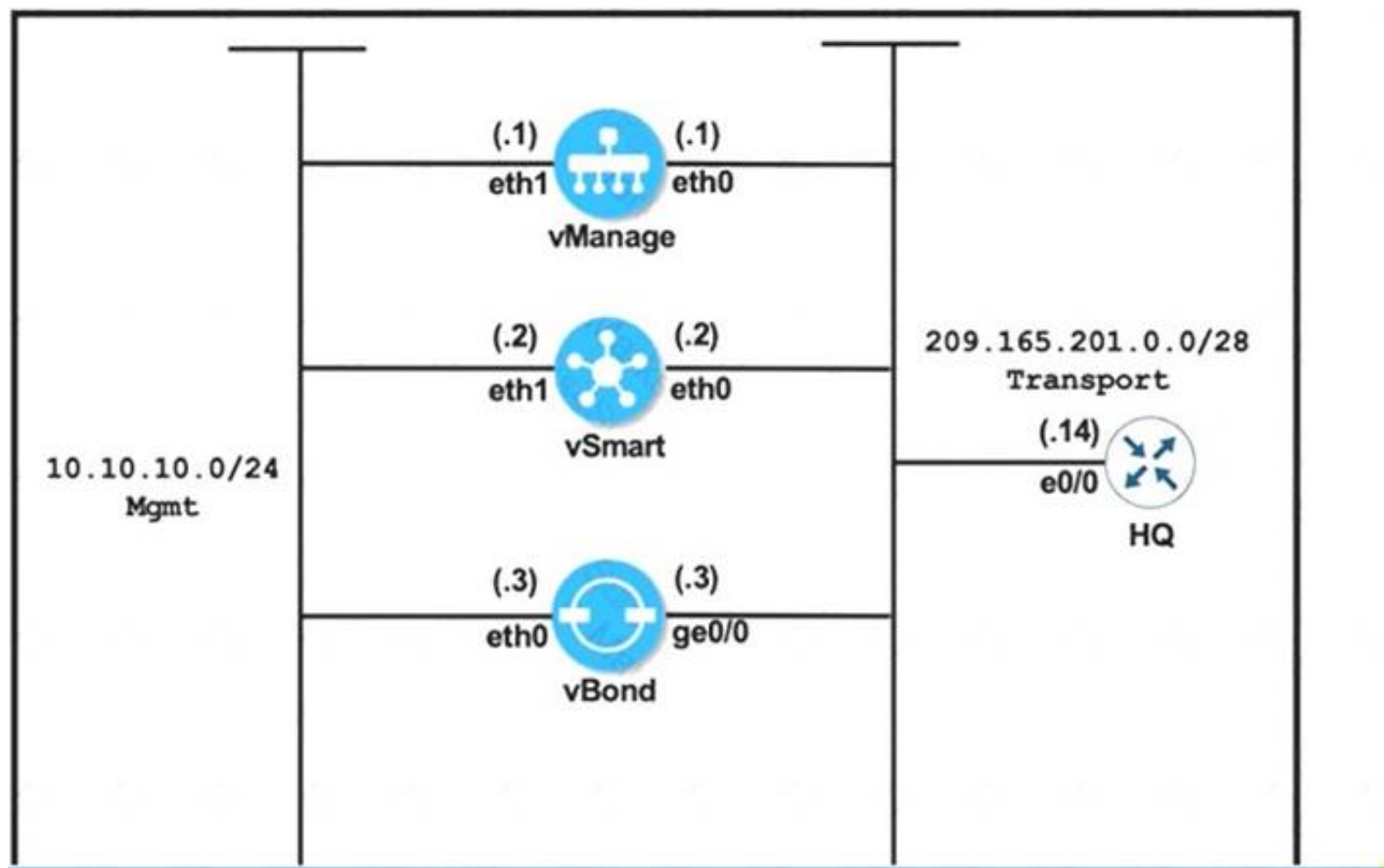
```

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

Answer: A

NEW QUESTION 18

Refer to the exhibit



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

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

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

Answer: B

Explanation:

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

NEW QUESTION 23

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

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

Answer: A

NEW QUESTION 31

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

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

Answer: D

Explanation:

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

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

NEW QUESTION 33

Which routing protocol has the highest default administrative distance?

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

Answer: A

NEW QUESTION 38

A Cisco SD-WAN customer has a requirement to calculate the SHA value for files as they pass through the device to see the returned disposition and determine if the file is good, unknown or malicious. The customer also wants to perform real-time traffic analysis and generate alerts when threats are detected Which two Cisco SD-WAN solutions meet the requirements? (Choose two.)

- A. Cisco Trust Anchor Module
- B. Cisco Threat Grid
- C. Cisco Snort IPS
- D. Cisco AMP
- E. Cisco Secure Endpoint

Answer: CD

NEW QUESTION 43

When VPNs are grouped to create destination zone in Zone-Based Firewall, how many zones can a single VPN be part of?

- A. two
- B. four
- C. one
- D. three

Answer: C

NEW QUESTION 46

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 49

What is the behaviour of vBond orchestrator?

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

Answer: A

NEW QUESTION 53

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

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

- A. Mastered
B. Not Mastered

Answer: A

Explanation:

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

NEW QUESTION 57

Which plane assists in the automatic onboarding of the SD-WAN routers into the SD-WAN overlay?

- A. Data
B. Orchestration
C. Management
D. Control

Answer: B

Explanation:

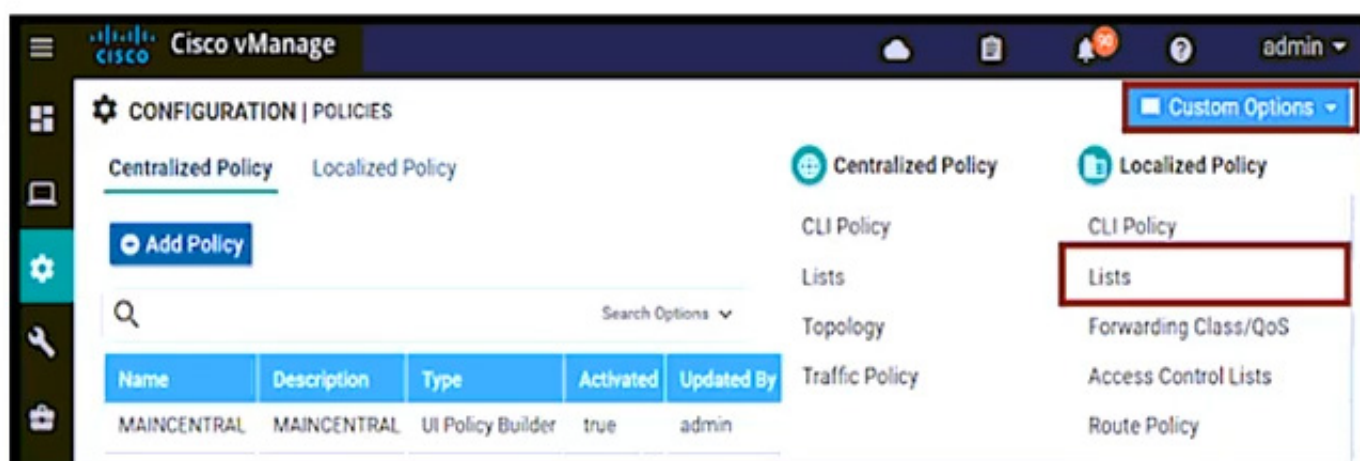
The Cisco SD-WAN solution is comprised of separate orchestration, management, control, and data planes.

- The **orchestration plane** assists in the **automatic onboarding** of the **SD-WAN routers into the SD-WAN overlay**.

NEW QUESTION 58

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

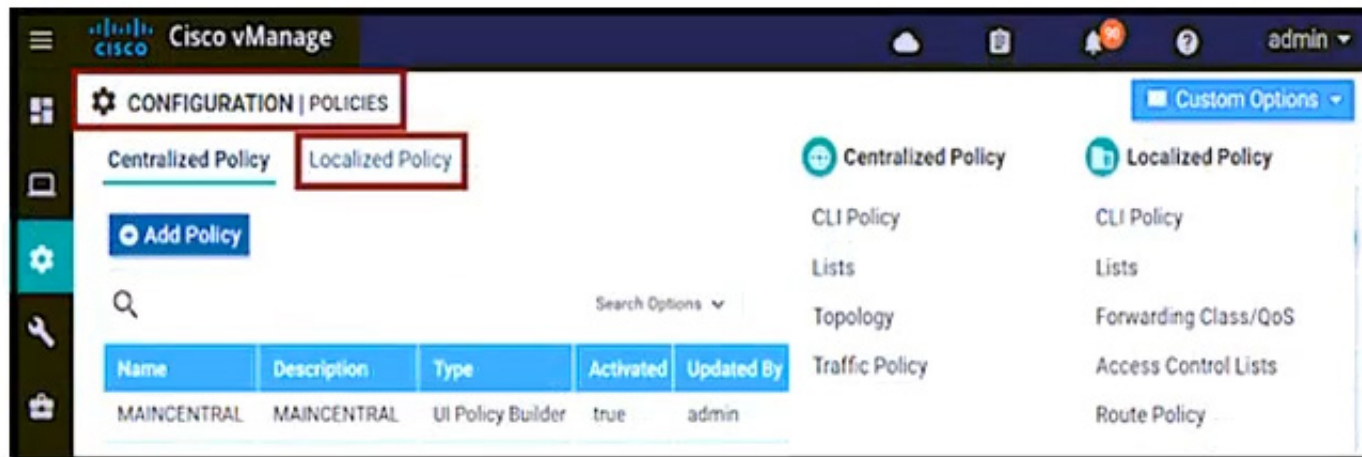
A)



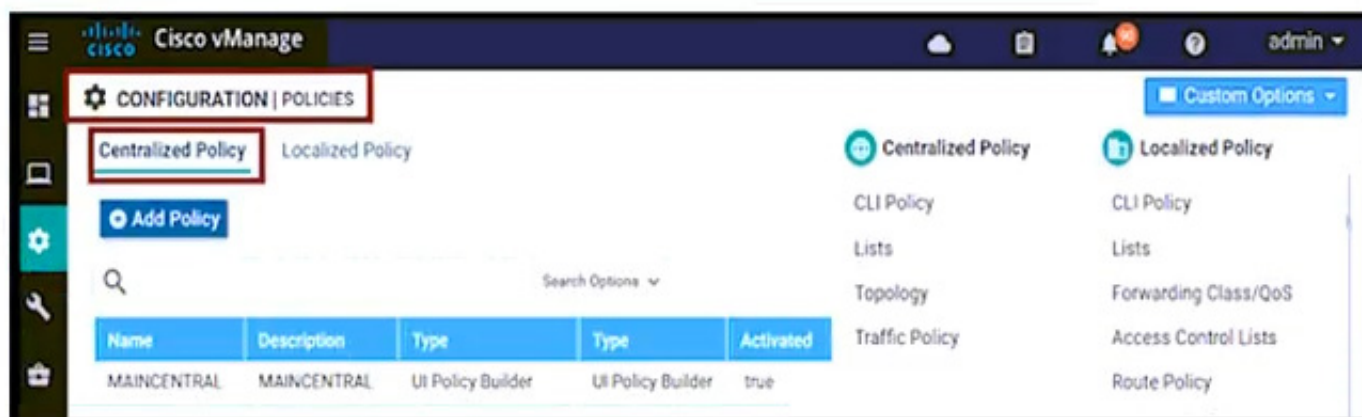
B)



C)



D.

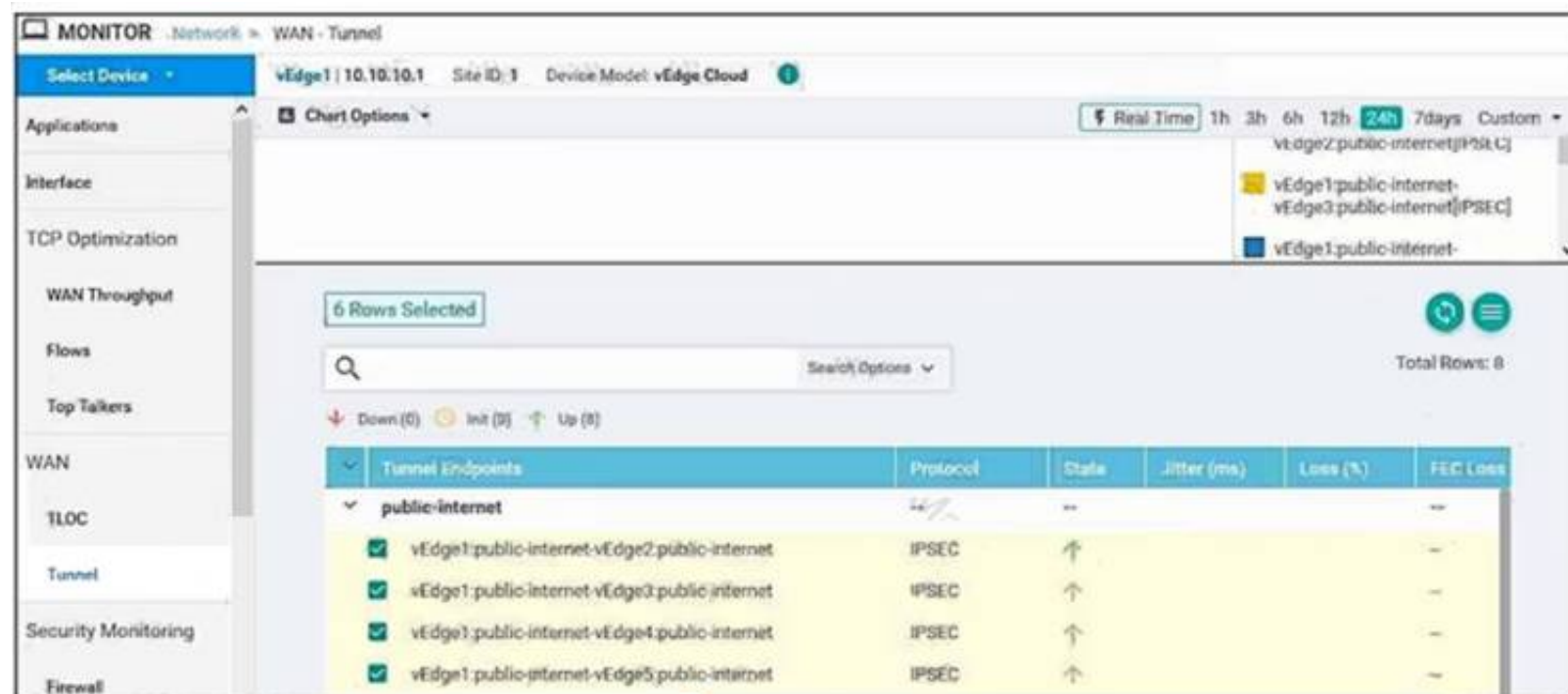


- A. Option A
- B. Option B
- C. Option C
- D. Option D

Answer: A

NEW QUESTION 59

Refer to the exhibit.



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

A)

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

```
ip route 0.0.0.0/0 10.50.0.102
```

B)

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

```
ip route 0.0.0.0/0 10.50.0.102
```

C)

```
vpn 0
interface ge0/0
ip address 10.50.0.101/30
tunnel-interface
encapsulation ipsec
allow-service none
```

```
ip route 0.0.0.0/0 10.50.0.102
```

D)

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

```
ip route 0.0.0.0/0 10.50.0.102
```

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

Answer: B

NEW QUESTION 61

Refer to the exhibit

Controller Type	Hostname	System IP	Expiration Date	uuid	Operation Status	Site ID	Certificate Serial
vBond	vBond	10.1.1.103	14 Jun 2021 3:49:50 PM +04	f1d700	Installed	1	615DBF69000000000005
vSmart	-	-	-	12aa1...	CSR Generated	-	No certificate installed
vManage	vManage1	10.1.1.101	14 Jun 2021 2:17:34 PM +04	ca6-ff8...	vBond Updated	1	61699683000000000002

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 64

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 67

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 71

Refer to exhibit.

PEER PEER INSTANCE COLOR	PEER TYPE STATE	PEER PRIVATE PROTOCOL ERROR	PEER SYSTEM IP ERROR	SITE ID COUNT	DOMAIN PUBLIC ID DOWNTIME	PRIVATE IP	LOCAL PORT	REMOTE PUBLIC IP	REPEAT PORT	REMOTE
0	vbond	gslp	0.0.0.0	0	0	192.168.0.231	12346	192.168.0.231	12346	Default
P_down										
CTRLERRR NOERR 9 2019-06-01T19:04:32+0200										

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

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

Answer: CD

Explanation:

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

NEW QUESTION 76

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

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

Answer: BC

NEW QUESTION 77

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?

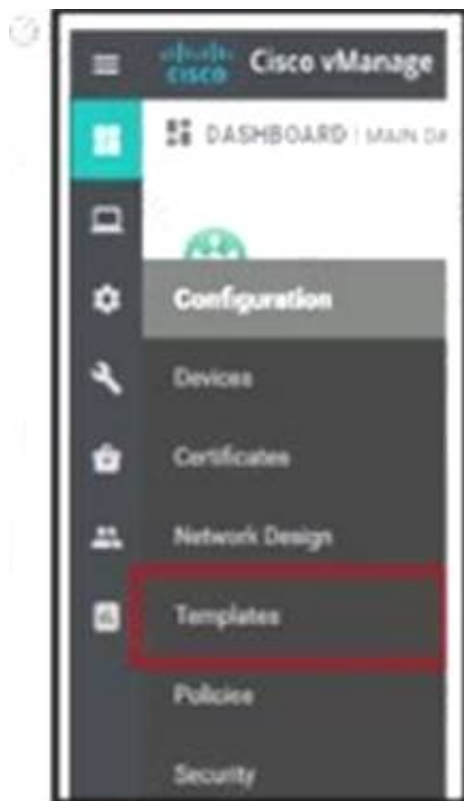
- A. 4vCPU
- B. 16 GB
- C. 4 vCPU
- D. 8 GB
- E. 8vCPU
- F. 16 GB
- G. 2vCPUs.4GB

Answer: B

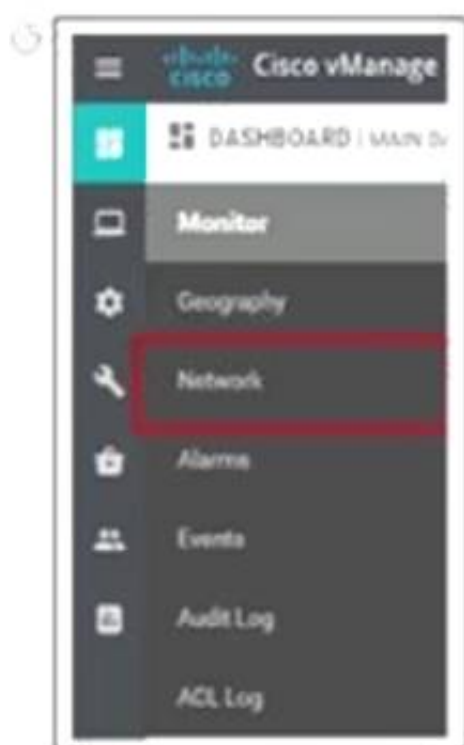
NEW QUESTION 81

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

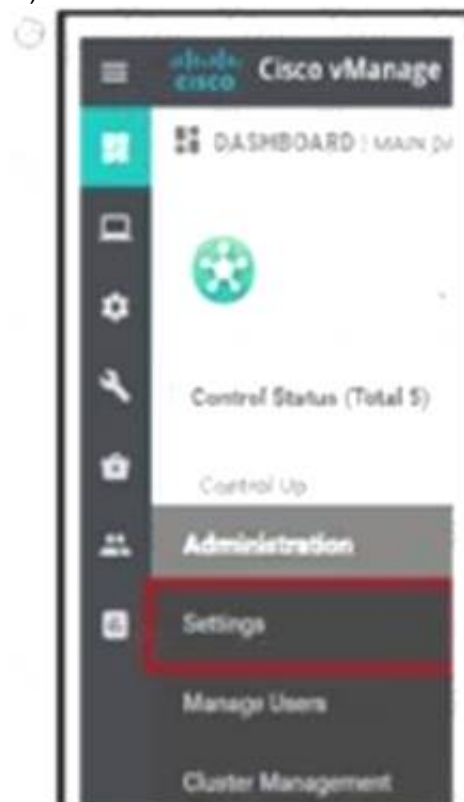
A)



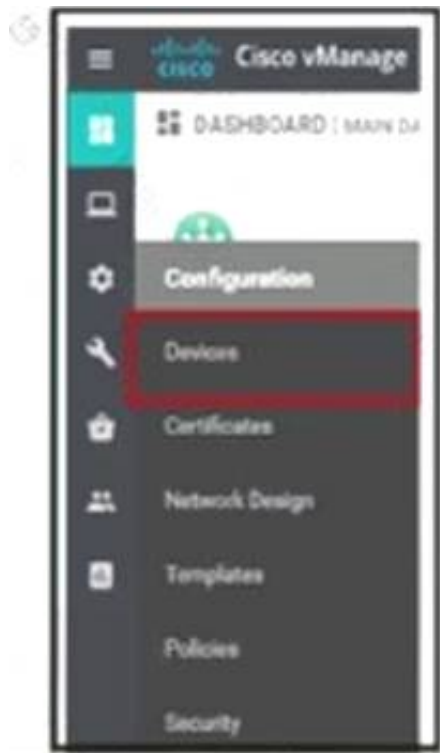
B)



C)



D)



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

Answer: D

Explanation:

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

NEW QUESTION 82

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

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

Answer: A

NEW QUESTION 87

Which device in the SD- WAN solution receives and categorizes event reports, and generates alarms?

- A. WAN Edge routers
- B. vSmart controllers
- C. vManage NMS
- D. vBond controllers

Answer: C

Explanation:

https://sdwan-docs.cisco.com/Product_Documentation/vManage_Help/Release_17.1/vManage_NMS_Product_

NEW QUESTION 89

Refer to the exhibit.

vEdge1# show control connections									
PEER TYPE	PEER PROT	PEER SYSTEM IP	SITE ID	DOMAIN ID	PEER PRIVATE IP	PEER PRIV PORT	PEER PUBLIC IP		
vsmart	dtls	10.2.2.2	1	1	10.50.0.5	12446	10.50.0.5		
vsmart	dtls	10.2.2.2	1	1	10.50.0.5	12446	10.50.0.5		
vbond	dtls	0.0.0.0	0	0	10.50.0.9	12346	10.50.0.9		
vbond	dtls	0.0.0.0	0	0	10.50.0.9	12346	10.50.0.9		
vmanage	dtls	10.1.1.1	1	0	10.50.0.1	12446	10.50.0.1		

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

- A)

CONFIGURATION | CERTIFICATES

WAN Edge List Controllers

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

Search Options Total Rows: 20

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

B)

CONFIGURATION | DEVICES

WAN Edge List Controllers

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

CLI mode Search Options Total Rows: 20

vManage mode

State	Device Model	Chassis Number	Serial No./Token	Hostname	System IP	Site ID	Mode
	vEdge Cloud	9a0cfea0-a463-7dec-c586-85fd29cd5e...	BC42AE30	vEdge1	10.10.10.1	1	vManage
	vEdge Cloud	cc5daa8e-9bb1-7c9d-f545-1a9657a0b0...	E1F0754E	vEdge2	10.10.10.2	2	vManage
	vEdge Cloud	d7b14bb6-f718-b111-8dd1-535fa9c968a2	F5DA0A8D	vEdge3	10.10.10.3	3	vManage
	vEdge Cloud	92b4f92b-daff-7ce2-c3da-622673be8329	BD992059	vEdge4	10.10.10.4	4	vManage
	vEdge Cloud	0183a420-e93e-41f7-6fc6-f74bb8754881	FA460EE6	vEdge5	10.10.10.5	4	vManage

C)

CONFIGURATION | CERTIFICATES

WAN Edge List Controllers

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

Search Options Total Rows: 20

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

D)

CONFIGURATION | CERTIFICATES

WAN Edge List Controllers

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

Search Options Total Rows: 20

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

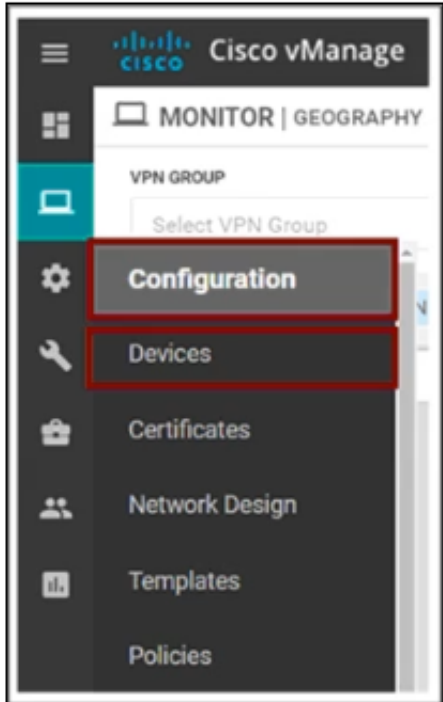
- A. Option A
B. Option B
C. Option C
D. Option D

Answer: A

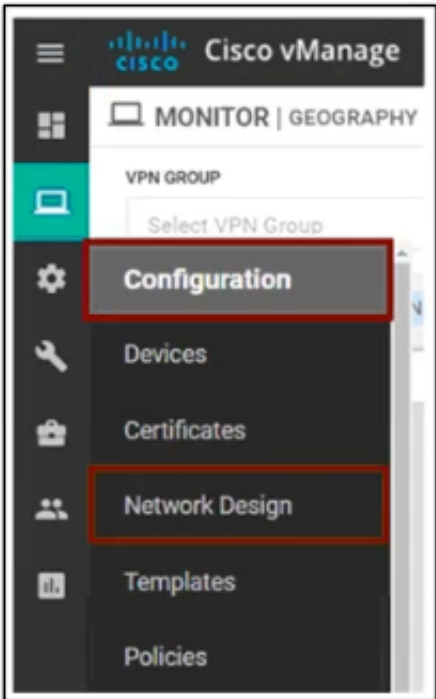
NEW QUESTION 92

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

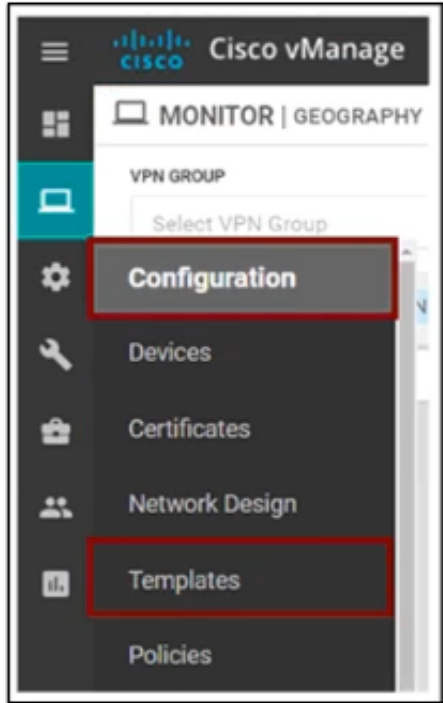
A)



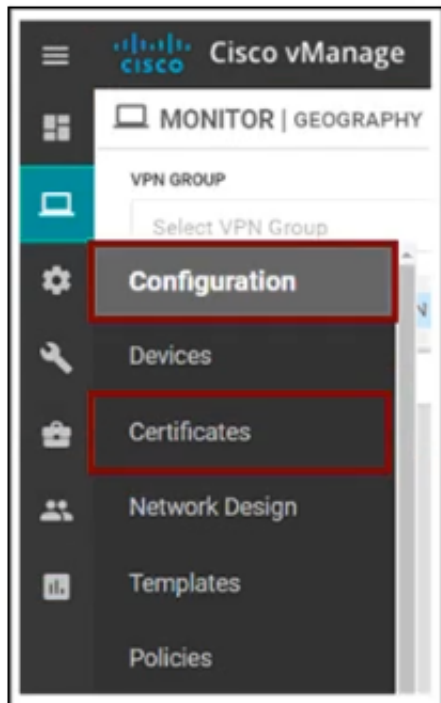
B)



C)



D)



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

Answer: C

NEW QUESTION 94

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

A)

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

B)

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

C)

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

D)

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

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

Answer: A

NEW QUESTION 98

A customer has MPLS and Internet as the TLOC colors An engineer must configure conrolJlers 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 102

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 103

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

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

Answer: D

Explanation:

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

NEW QUESTION 108

What is the default value for the Multiplier field of the BFD basic configuration in vManage?

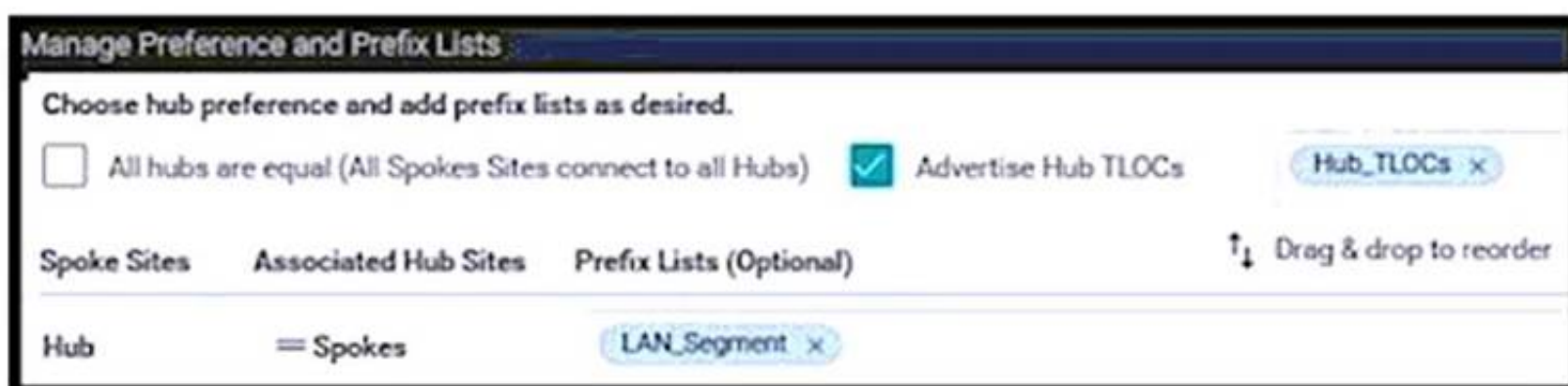
- A. 3
- B. 4
- C. 5
- D. 6

Answer: D

NEW QUESTION 109

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)

Manage Preference and Prefix Lists

Choose hub preference and add prefix lists as desired.

☒ All hubs are equal (All Spokes Sites connect to all Hubs) ☐ Advertise Hub TLOCs

Spoke Sites	Associated Hub Sites	Prefix Lists (Optional)
Spokes	Hub	LAN_Segment x

C)

Manage Preference and Prefix Lists

Choose hub preference and add prefix lists as desired.

☐ All hubs are equal (All Spokes Sites connect to all Hubs) ☒ Advertise Hub TLOCs

Spoke Sites	Associated Hub Sites	Prefix Lists (Optional)	Drag & drop to reorder
Spokes	Hub	LAN_Segment x	

D)

Choose hub preference and add prefix lists as desired.

☐ All hubs are equal (All Spokes Sites connect to all Hubs) ☒ Advertise Hub TLOCs

Spoke Sites	Associated Hub Sites	Prefix Lists (Optional)	Drag & drop to reorder
Spokes	Hub	Select one or more prefix lists	

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

Answer: D

NEW QUESTION 110

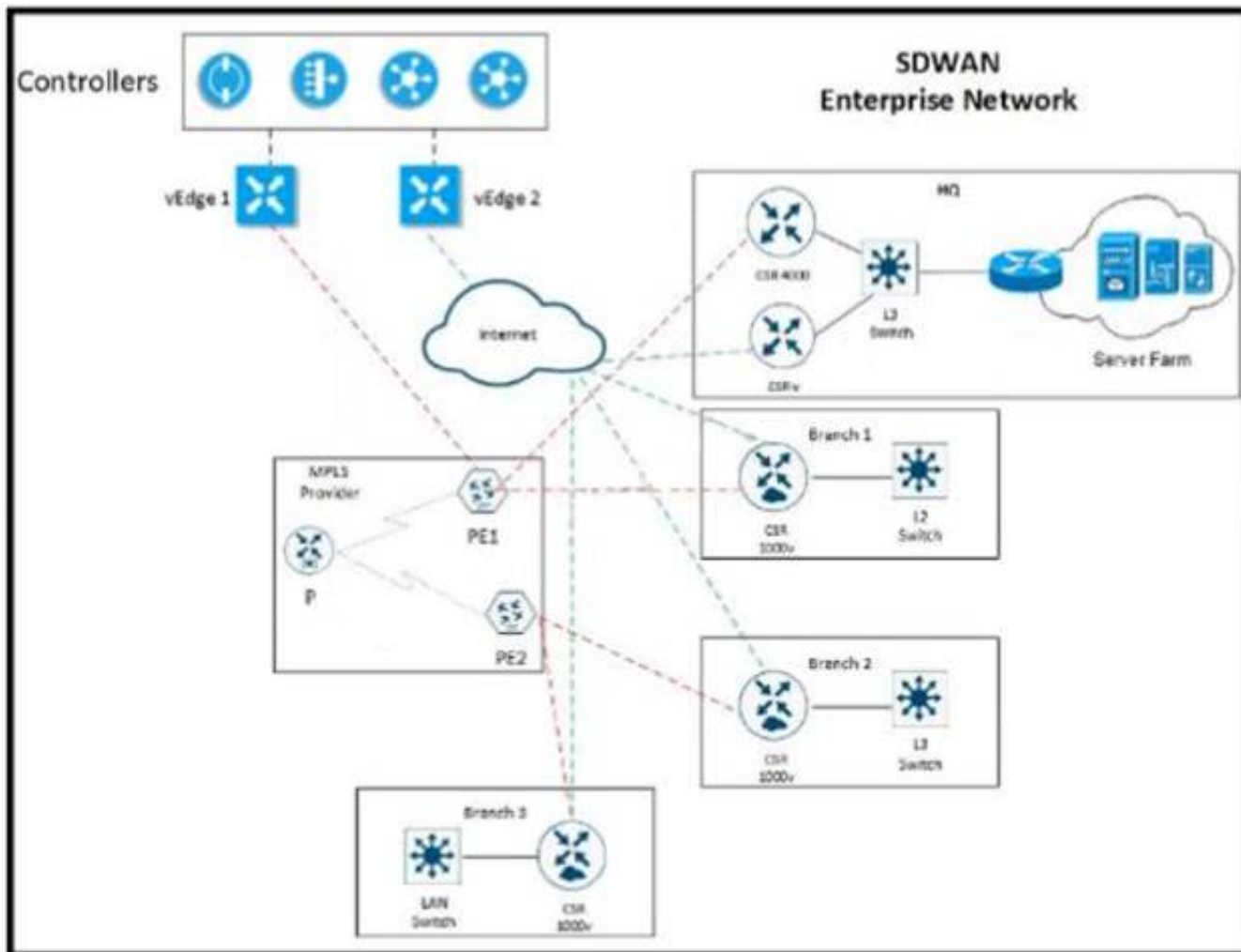
Which Cisco SD-WAN component facilitates the initial communication between WAN Edge devices to join the fabric?

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

Answer: D

NEW QUESTION 113

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?

A)

```
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
```

B)

```
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
```

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
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
```

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

Answer: C**NEW QUESTION 115**

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 118

What is an attribute of TLOC'?

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

Answer: C

NEW QUESTION 119

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 121

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 126

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

A)

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

B)


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

C)

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

D)

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

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

Answer: C**NEW QUESTION 129**

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

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

Answer: B**NEW QUESTION 132**

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 135**

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 138

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

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

Answer: D

NEW QUESTION 143

Which protocol is used to propagate multicast join requests over the Cisco SD-WAN fabric?

- A. ARP
B. Auto-RP
C. OMP
D. IGMP

Answer: D

NEW QUESTION 144

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

- A. cloud-qos-service-side
B. qos-scheduler QOS_0
C. qos-map QOS
D. rewrite-rule QOS-REWRITE

Answer: C

NEW QUESTION 147

A network administrator is creating an OMP feature template from the vManage GUI to be applied to WAN edge routers. Which configuration attribute will avoid the redistribution of the routes back into the OMP from the LAN side?

- A. configure "Number of Paths Advertised per Prefix"
B. configure "Overlay AS Number"
C. configure "Send Backup Paths"
D. configure "ECMP limit"

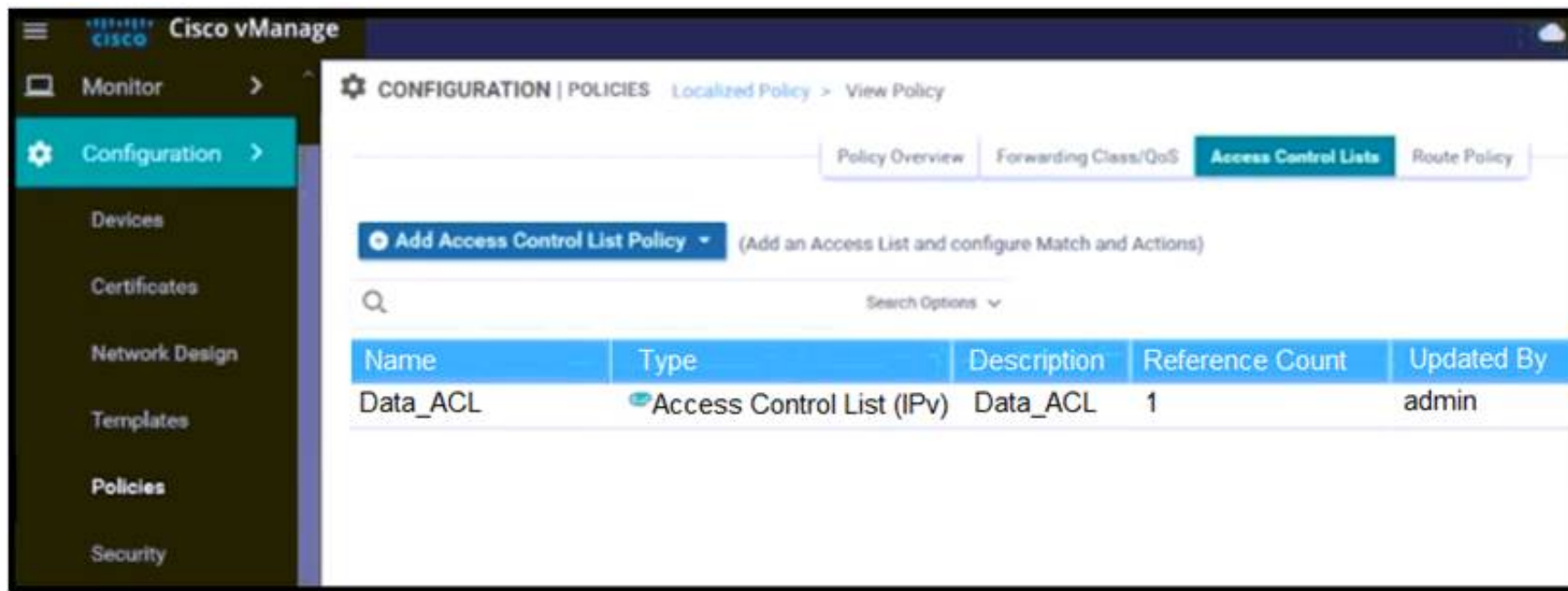
Answer: B

Explanation:

If you configure the same overlay AS number on multiple vEdge routers in the overlay network, all these routers are considered to be part of the same AS, and as a result, they do not forward any routes that contain the overlay AS number. This mechanism is an additional technique for preventing BGP routing loops in the network.

NEW QUESTION 149

Refer to the exhibit.



An engineer must block FTP traffic coming in from a particular Service VPN on a WAN Edge device Which set of steps achieves this goal?

- A. Create a localized policy and add it to (he interface feature template
- B. Create a localized policy add it to the device template and add an ACL to the interface feature template
- C. Create a prefix tat, add it to the localized policy and add it to the interface feature template
- D. Create a localized policy add it to VPN template and add an ACL to the interface feature template

Answer: C

NEW QUESTION 153

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 157

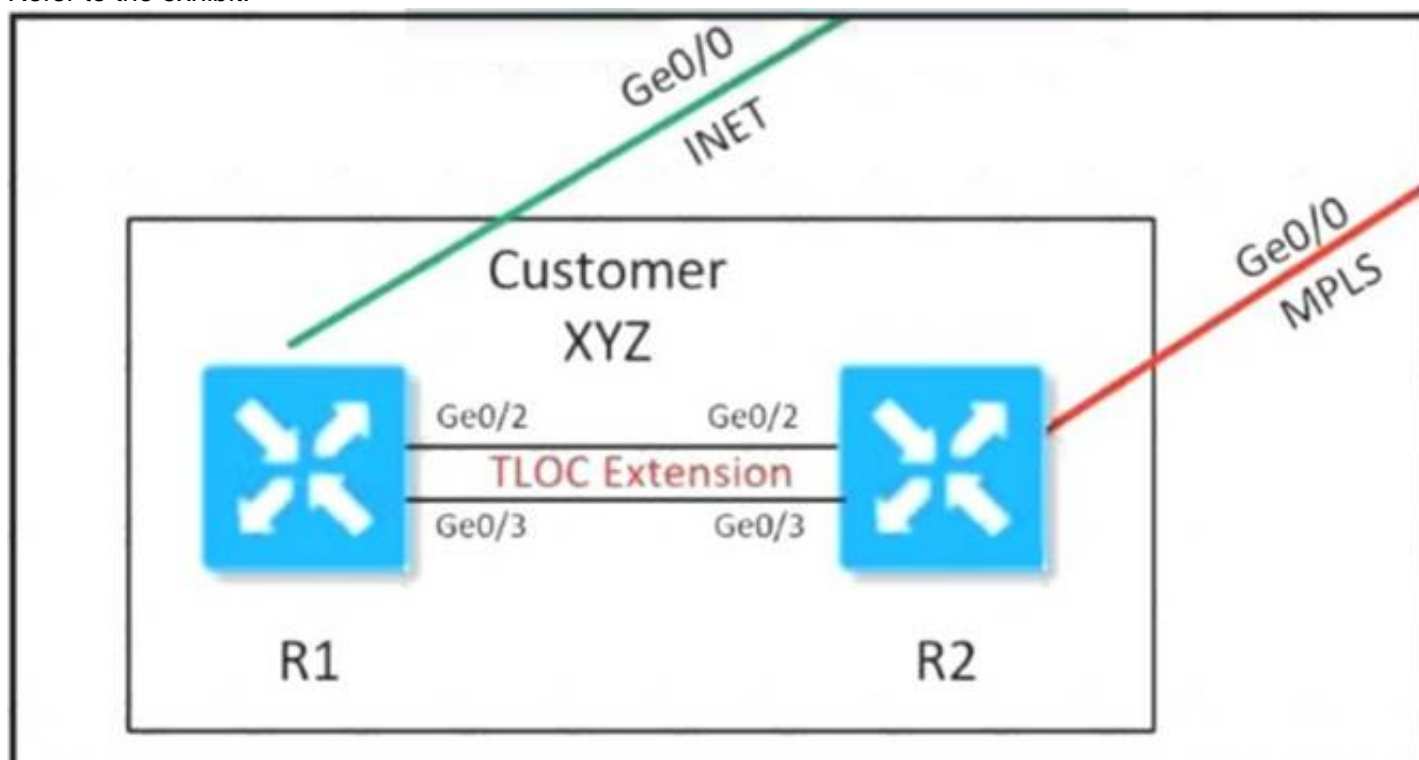
Which Cisco SD-WAN WAN Edge platform supports LTE and Wi-Fi?

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

Answer: D

NEW QUESTION 159

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 162

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 163

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 166

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 170

Refer to the exhibit

PEER TYPE	PEER PROTOCOL	PEER SYSTEM IP	SITE ID	DOMAIN ID	PEER PRIVATE IP	PEER PRIVATE PORT	PEER PUBLIC IP	PEER PUBLIC PORT	LOCAL COLOR	STATE	LOCAL/REMOTE	LOCAL/REMOTE	REPEAT COUNT
vbond	dtls	-	0	0	1.1.10.10	12346	1.1.10.10	12346	gold	tear_down	CTRL3SER	NOERR	161
vbond	dtls	-	0	0	1.1.10.10	12346	1.1.10.10	12346	silver	tear_down	CTRL3SER	NOERR	161
vbond	dtls	-	0	0	1.2.20.20	12346	1.2.20.20	12346	gold	tear_down	CTRL3SER	NOERR	160
vbond	dtls	-	0	0	1.2.20.20	12346	1.2.20.20	12346	silver	tear_down	CTRL3SER	NOERR	160

A WAN Edge device was recently added to vManage but a control connection could not be established Which action resolves this issue?

- A. Rectify the Root CA certificate mismatch on WAN Edge devices
- B. Install the bootstrap code on WAN Edge and check for CSR
- C. Send the serial number to vBond from the vManage controller.
- D. Resolve the ZTP reachability and rectify smart account credentials issue

Answer: C

NEW QUESTION 173

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 174

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 175

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

- A. vpn-membership policy
- B. cflowd-template
- C. app-route policy
- D. control-policy

Answer: D

NEW QUESTION 176

Refer to the exhibit.

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

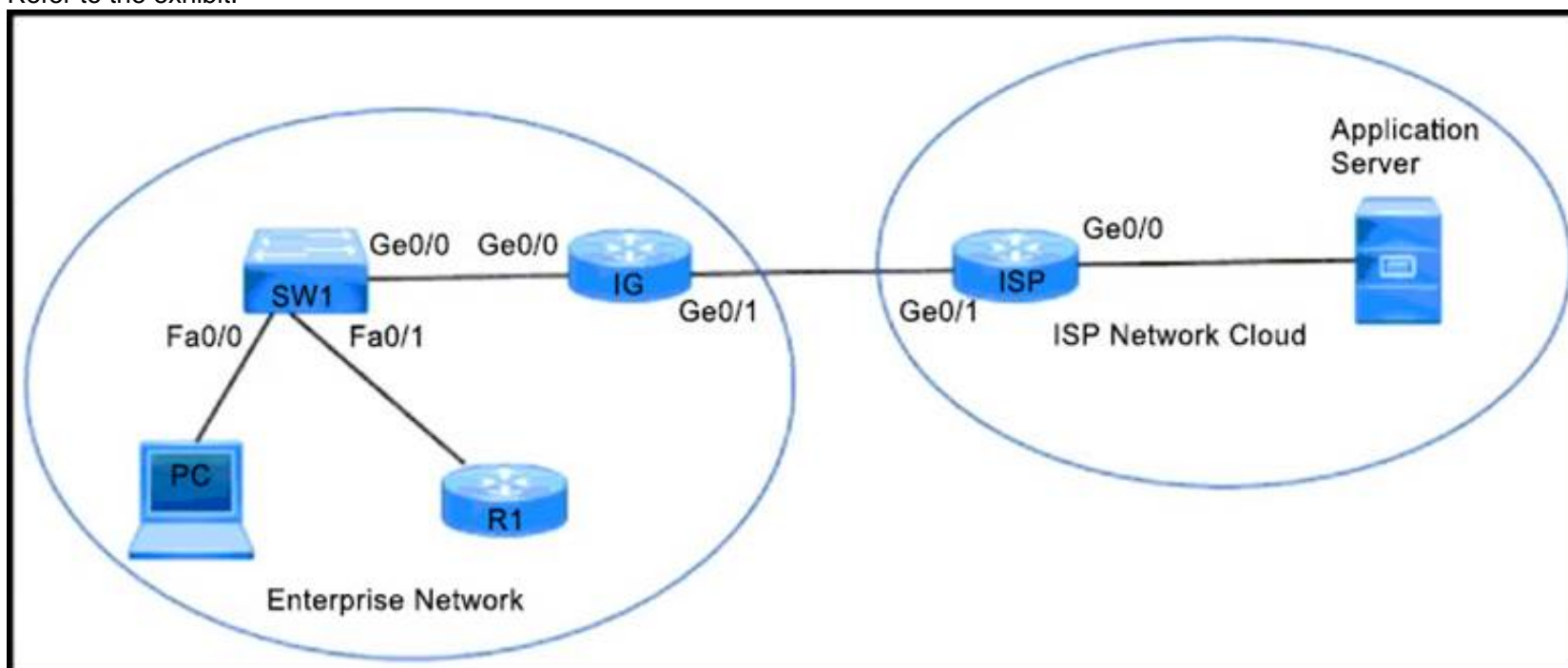
vManage and vSmart have an issue establishing a connection to vBond. Which configuration resolves the issue?

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

Answer: B

NEW QUESTION 179

Refer to the exhibit.



An enterprise network is connected with an ISP network on an 80 Mbps bandwidth link. The network operation team observes 100 Mbps traffic on the 1Gig-ISP link during peak hours. Which configuration provides bandwidth control to avoid traffic congestion during peak hours?

A)

```

policy-map CUS_PMAP
class CUS_CMAP
police 80000000 300000
!
interface gigabitethernet 0/0
description *** TO SW ***
ip address 10.0.10.5 255.255.255.0
service-policy input CUS_PMAPd

```

B)

```
policy-map SHAPE_MAP
class class-default
  shape average 80000000
!
interface gigabitethernet 0/1
description *** TO ISP ***
ip address 10.0.20.5 255.255.255.0
service-policy output SHAPE_MAP
```

C)

```
policy-map CUS_PMAP
class CUS_CMAP
  police 80000000 300000
!
interface gigabitethernet 0/0
description *** TO ISP ***
ip address 10.0.20.1 255.255.255.0
service-policy input CUS_PMAP
```

D)

```
policy-map SHAPE_MAP
class class-default
  shape average 8000000
!
interface gigabitethernet 0/1
description *** TO IG rack B455:A882:G718 ***
ip address 10.0.20.5 255.255.255.0
```

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

Answer: B

NEW QUESTION 182

What are two attributes of vRoute? (Choose two)

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

Answer: AB

NEW QUESTION 186

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

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

Answer: B

Explanation:

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

NEW QUESTION 188

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 191

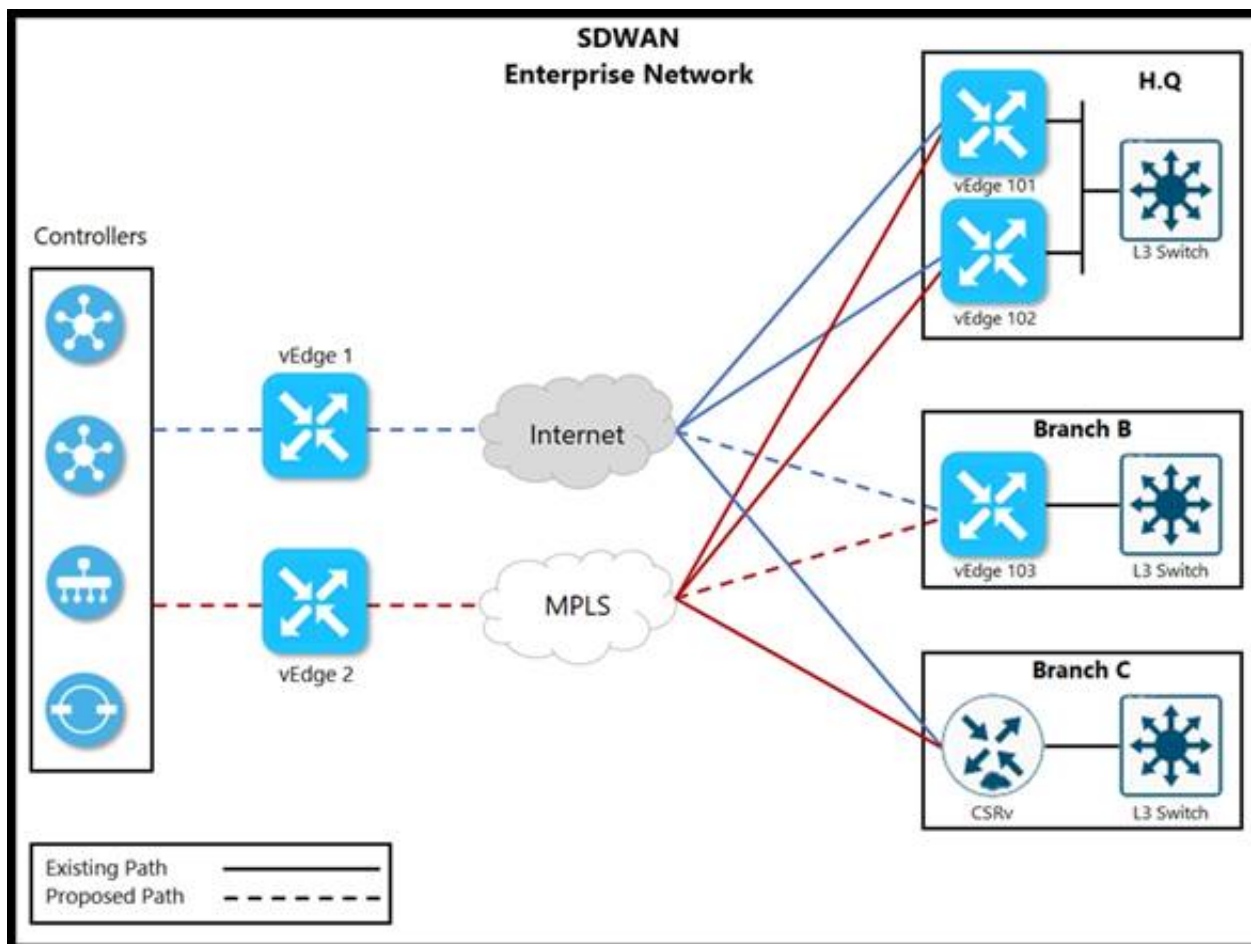
An engineer is configuring a data policy IPv4 prefixes for a site WAN edge device on a site with edge devices. How is this policy added using the policy configuration wizard?

- 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 193

Refer to the exhibit.



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

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

omp
no shutdown
graceful-restart

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

Which configuration meets the requirement?

A)

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

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

B)

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

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

C)


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

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

D)

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

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

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

Answer: A

NEW QUESTION 198

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

- A. tunnels
- B. site ID
- C. URL
- D. geolocation
- E. protocol

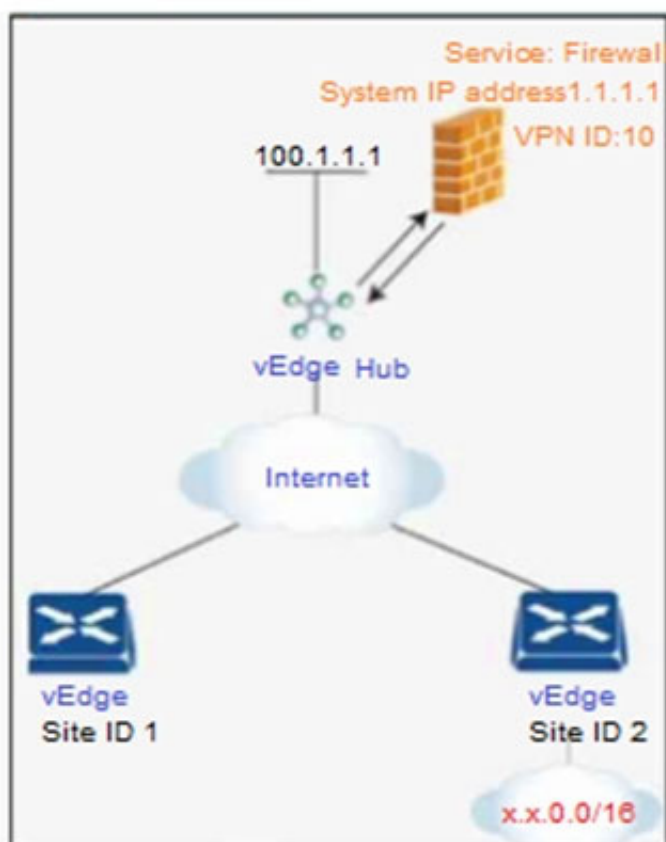
Answer: AE

Explanation:

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

NEW QUESTION 200

Refer to the exhibit.



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

firewall on the hub site?

A)

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

B)

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

C)

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

D)

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

A. Option A

B. Option B

C. Option C

D. Option D

Answer: B

Explanation:

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

NEW QUESTION 202

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 206

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 210

Drag and drop the route verification output from show omp tlocs from the left onto the correct explanations on the right.

shows if the route was chosen to enter the routing table or not	system ID
ENCAPSULATION	attribute of WAN link
COLOR	type of tunnel being used
TLOC IP	TLOC route status

- A. Mastered
- B. Not Mastered

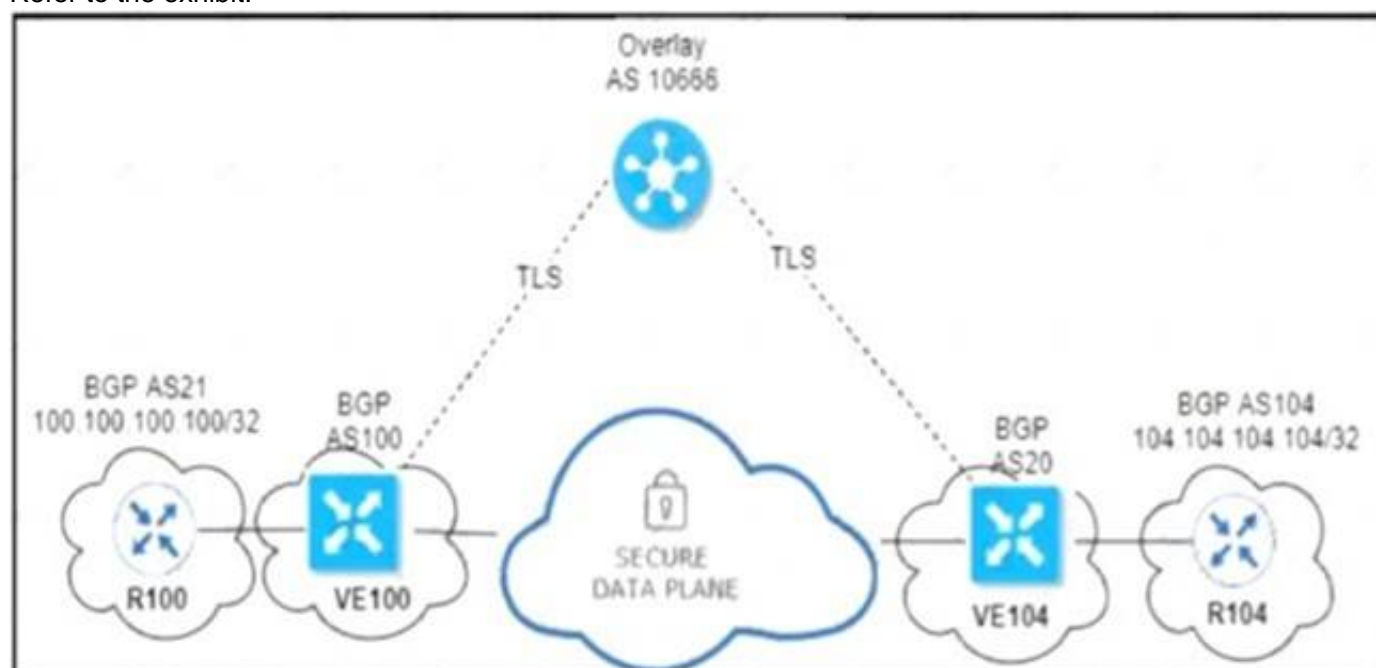
Answer: A

Explanation:

shows if the route was chosen to enter the routing table or not	TLOC IP
ENCAPSULATION	COLOR
COLOR	ENCAPSULATION
TLOC IP	shows if the route was chosen to enter the routing table or not

NEW QUESTION 211

Refer to the exhibit.



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

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

Answer: A

NEW QUESTION 214

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 216

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 221

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 223

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 227

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 228

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 232

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

A)

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

B)

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

C)

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

D)


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

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

Answer: B

NEW QUESTION 233

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 234

Drag and drop the steps from the left into the order on the right to upload software on vManage repository that is accessible from maintenance > Software Repository.

Click the repository	Step 1
select vManage to store the software	Step 2
Click Add net software	Step 3
Choose the file and click upload	Step 4

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Add an Image to the Software Repository

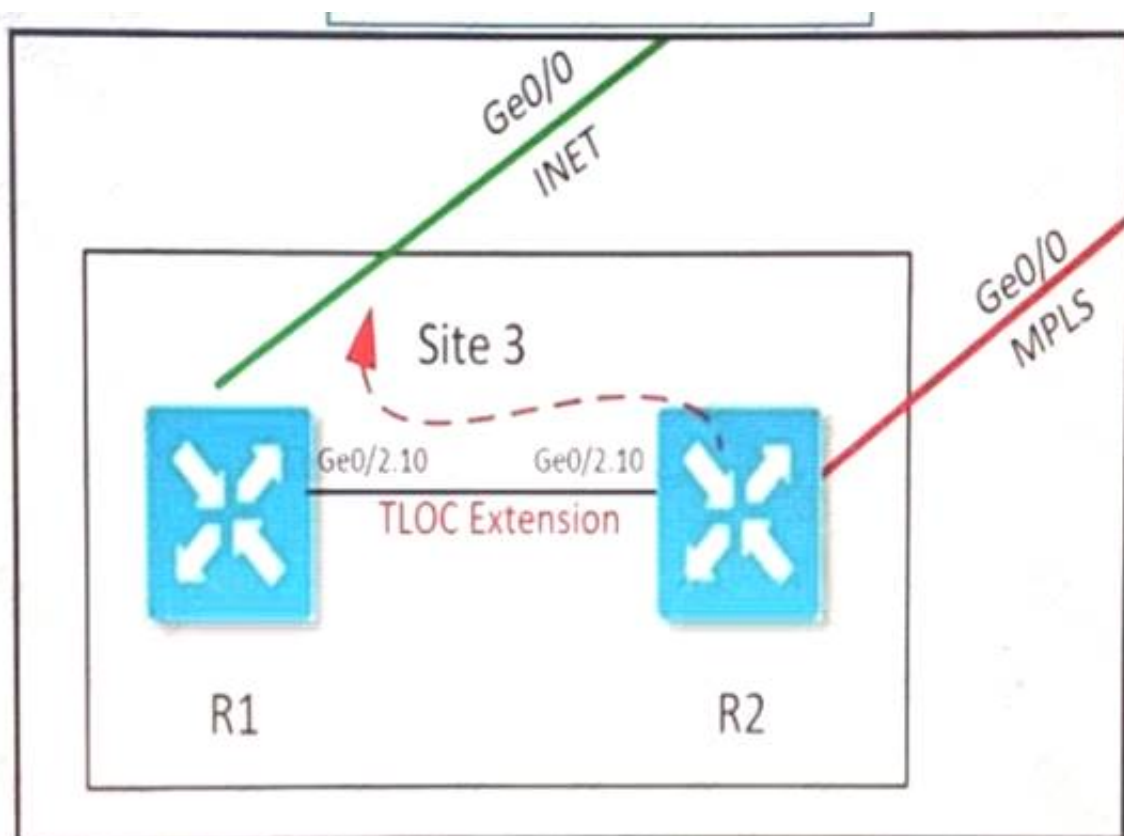
To add a software image to the software repository:

1. In Cisco vManage, click **Maintenance > Software Repository**.
2. Click **Add New Software** and select **vManage** from the drop-down menu.
3. In the **Upload Software to vManage** dialog box:
 - a. Click **Browse** and browse to the desired software image.
 - b. Click **Upload**.

<https://www.cisco.com/c/en/us/td/docs/routers/sdwan/configuration/Monitor-And-Maintain/monitor-maintain-bo>

NEW QUESTION 238

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.ciscoplive.com/c/dam/r/ciscoplive/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 240

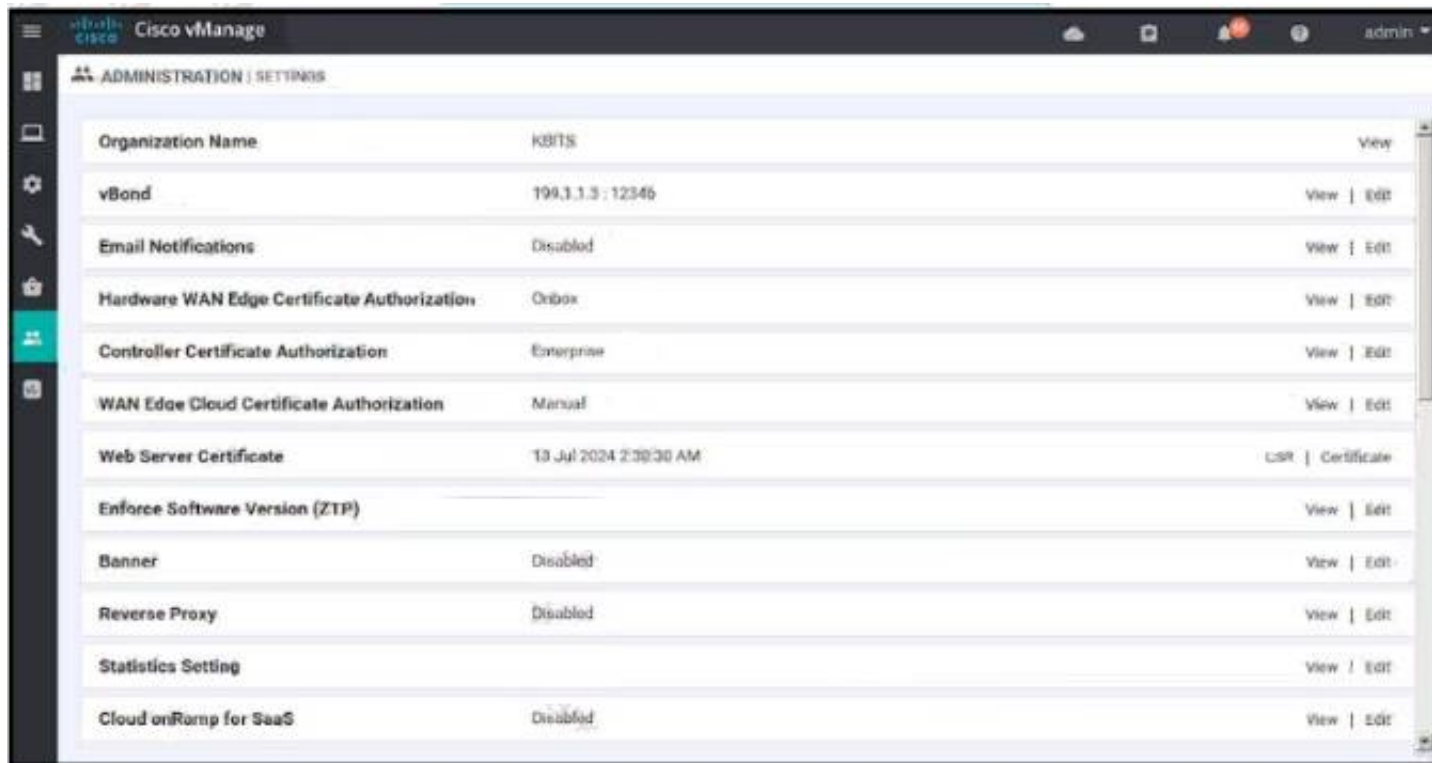
REST applications communicate over HTTP or HTTPS to make calls between network devices. Which two HTTPS standard methods are included? (Choose two.)

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

Answer: BC

NEW QUESTION 243

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>.

NEW QUESTION 245

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 249

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

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

Answer: A

NEW QUESTION 251

In which device state does the WAN edge router create control connections, but data tunnels are not created?

- A. valid
- B. backup
- C. active
- D. staging

Answer: D

Explanation:

Staging – In this state, the WAN Edge device establishes secure control plane connections to the SD-WAN controllers (vBond, vManage, and vSmart) only. It is important to note that no data plane connections are established with other WAN Edge devices in the overlay network.

NEW QUESTION 256

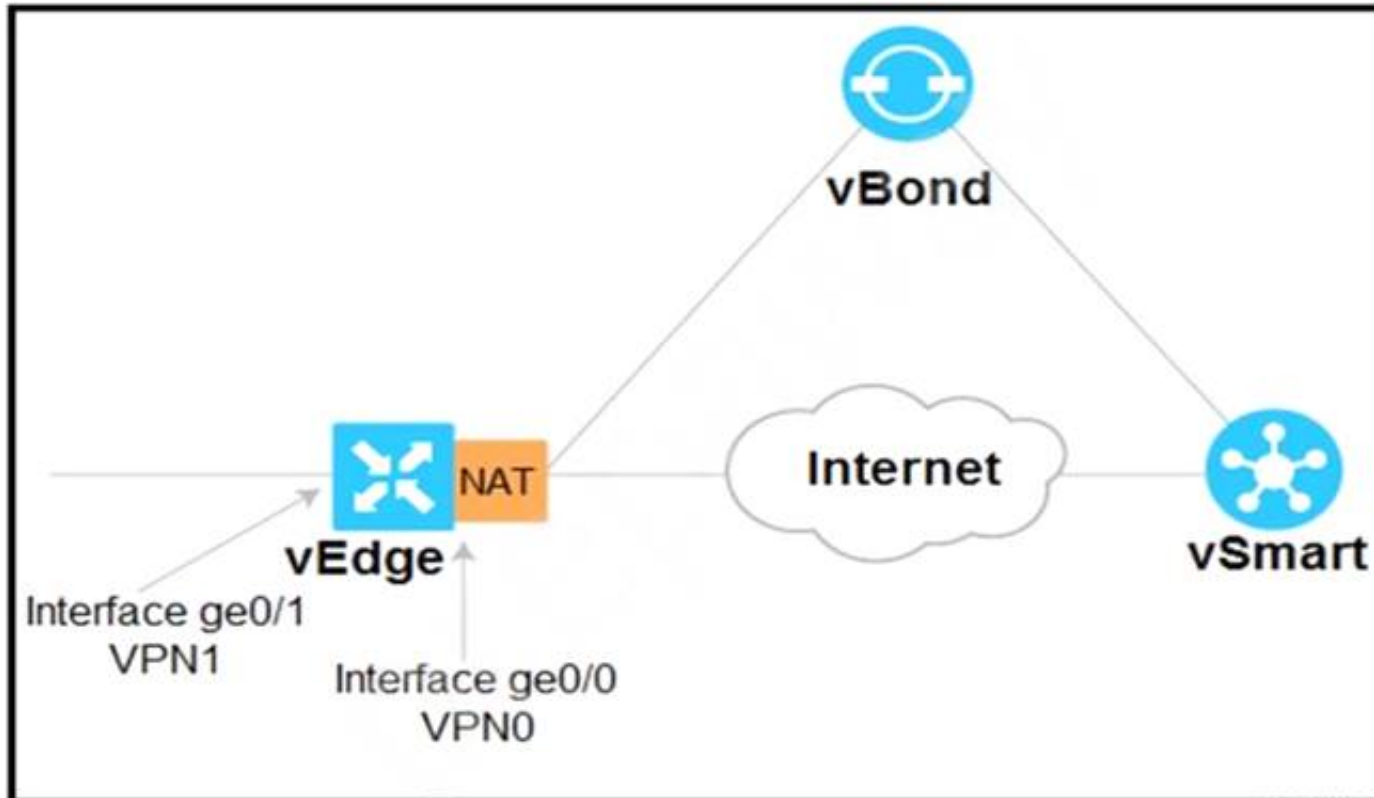
Which SD-WAN component is configured to enforce a policy to redirect branch-to-branch traffic toward a network service such as a firewall or IPS?

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

Answer: C

NEW QUESTION 257

Refer to the exhibit



Which configuration sets up direct Internet access for VPN 1?

- ☒ vpn 1

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

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

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

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

Answer: C

NEW QUESTION 261

.....

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