

300-415 Dumps

Implementing Cisco SD-WAN Solutions (ENSDWI)

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



NEW QUESTION 1

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

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

Answer: D

Explanation:

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

NEW QUESTION 2

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 3

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

A)

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

B)

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

C)

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

D)

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

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

Answer: C

NEW QUESTION 4

Which logs verify when a device was upgraded?

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

Answer: A

NEW QUESTION 5

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 6

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 7

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 8

Refer to the exhibit,

```
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 netsvcl
  service local
  default-action accept
```

which configuration configures IPsec tunnels in active and standby?


```

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 9

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 10

What is a description of vManage NMS?

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

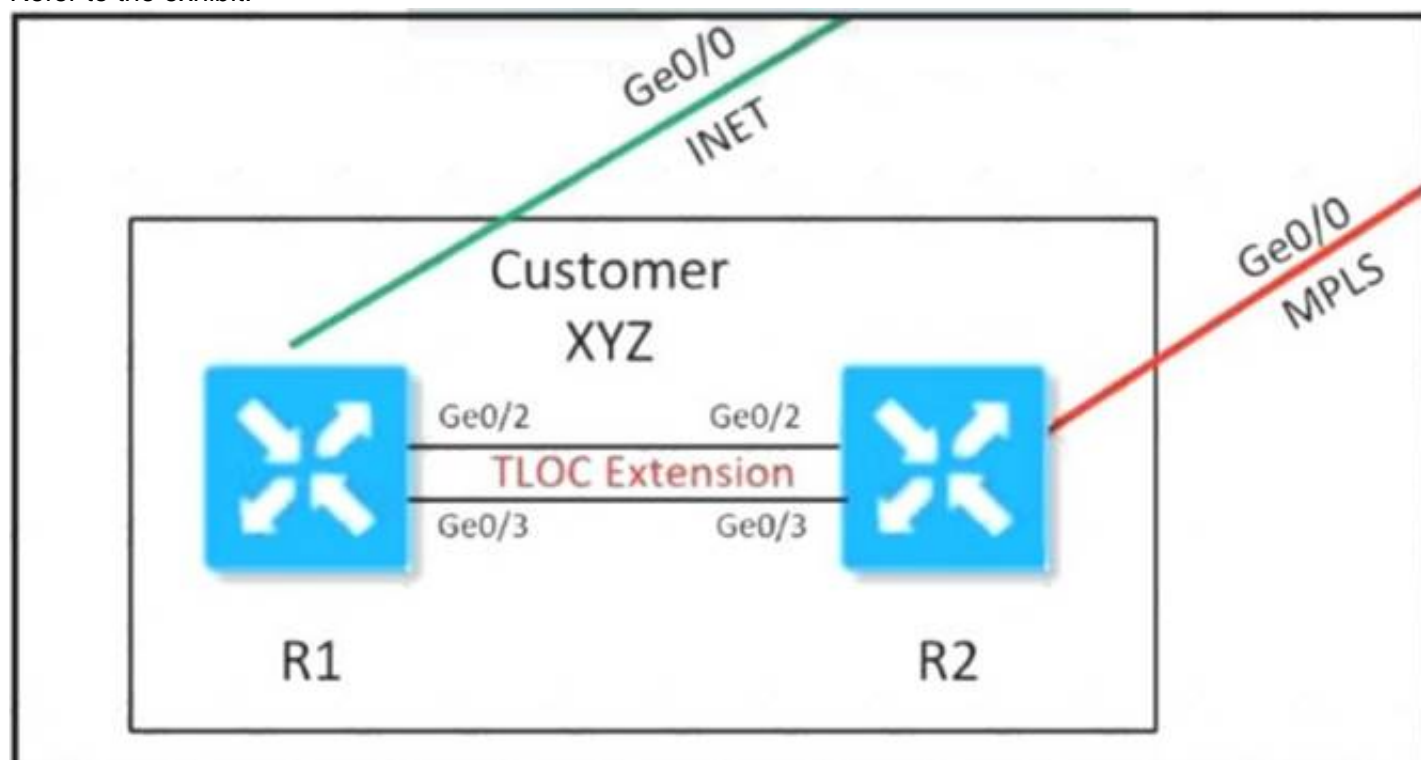
Answer: B

Explanation:

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

NEW QUESTION 10

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 12

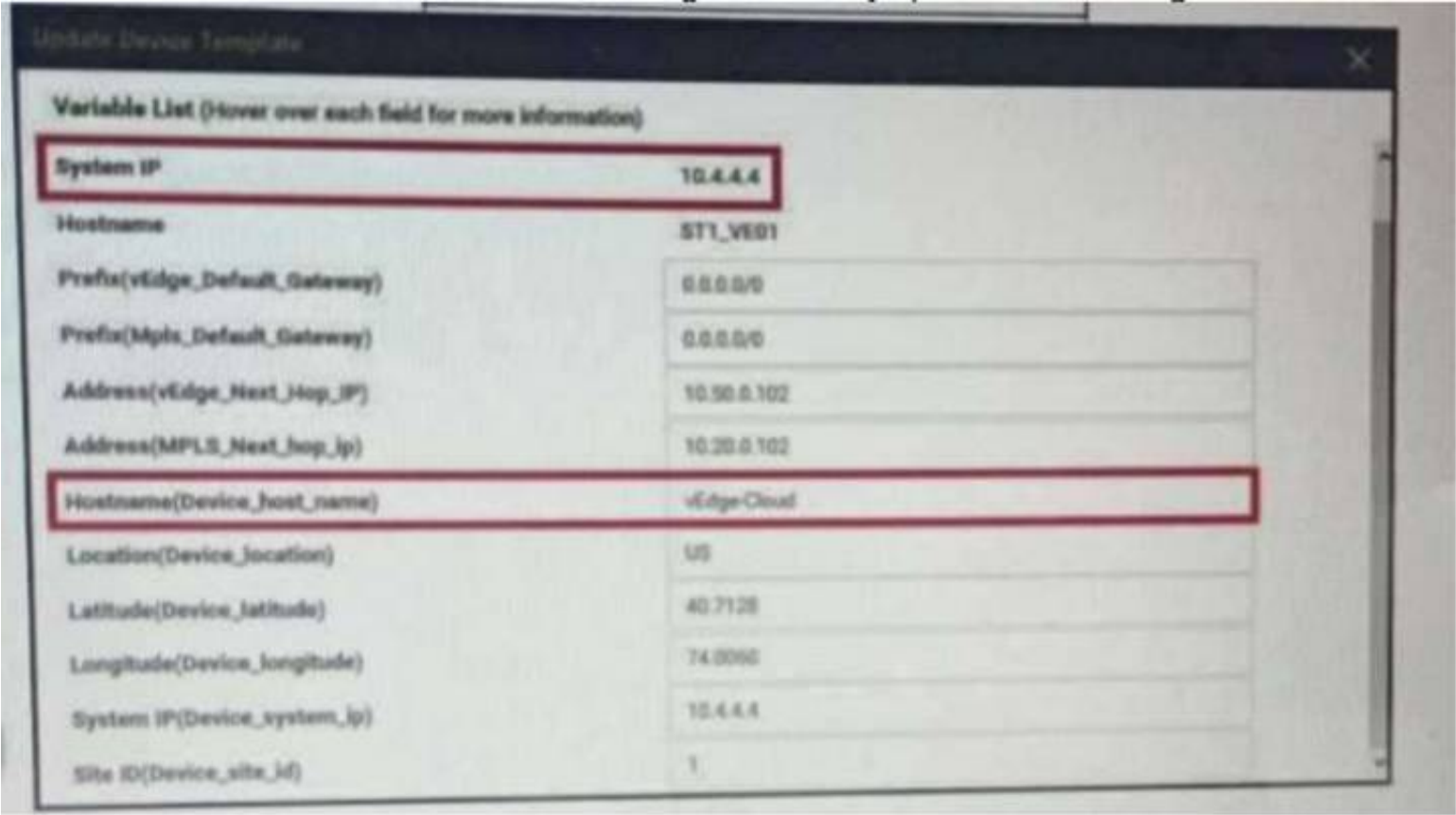
Which table is used by the vSmart controller to maintain service routes of the WAN Edge routers in the hub and local branches?

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

Answer: C

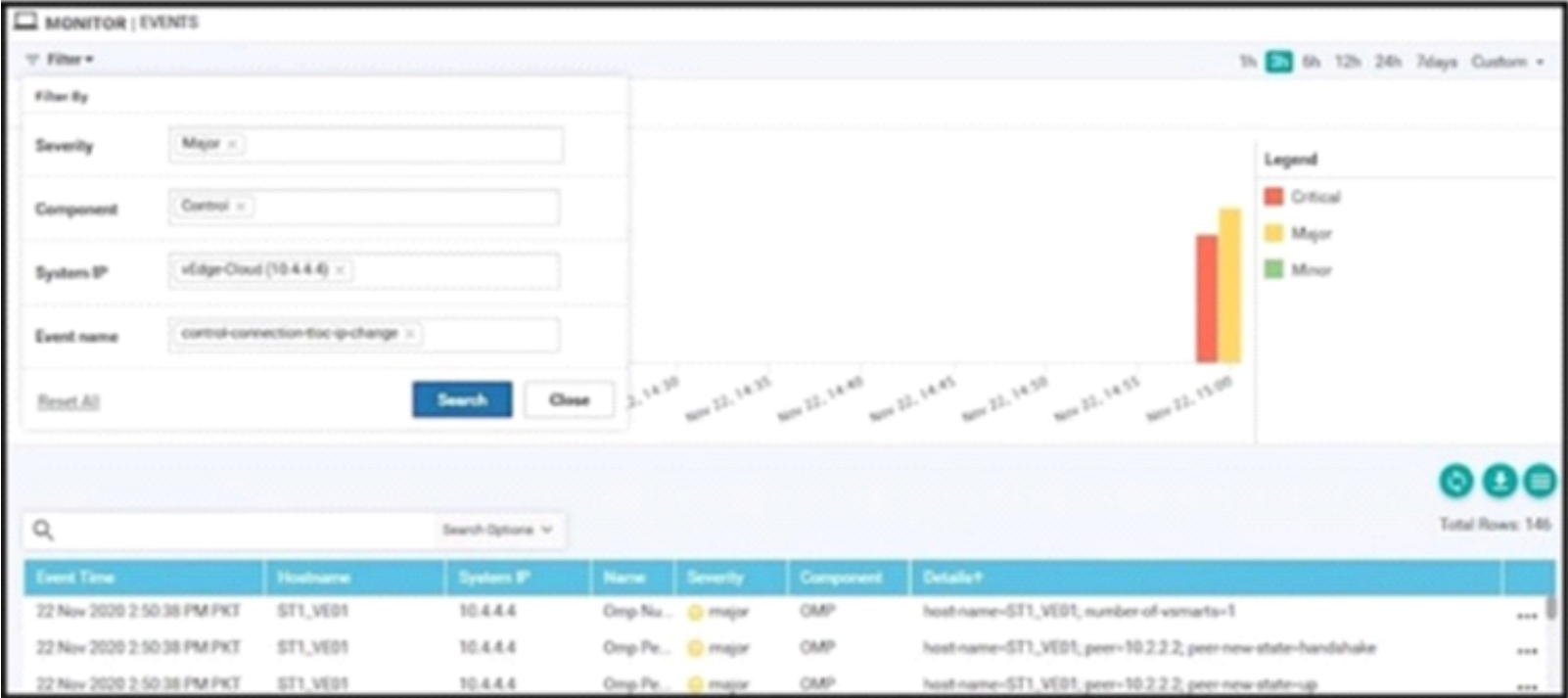
NEW QUESTION 17

Refer to the exhibit.

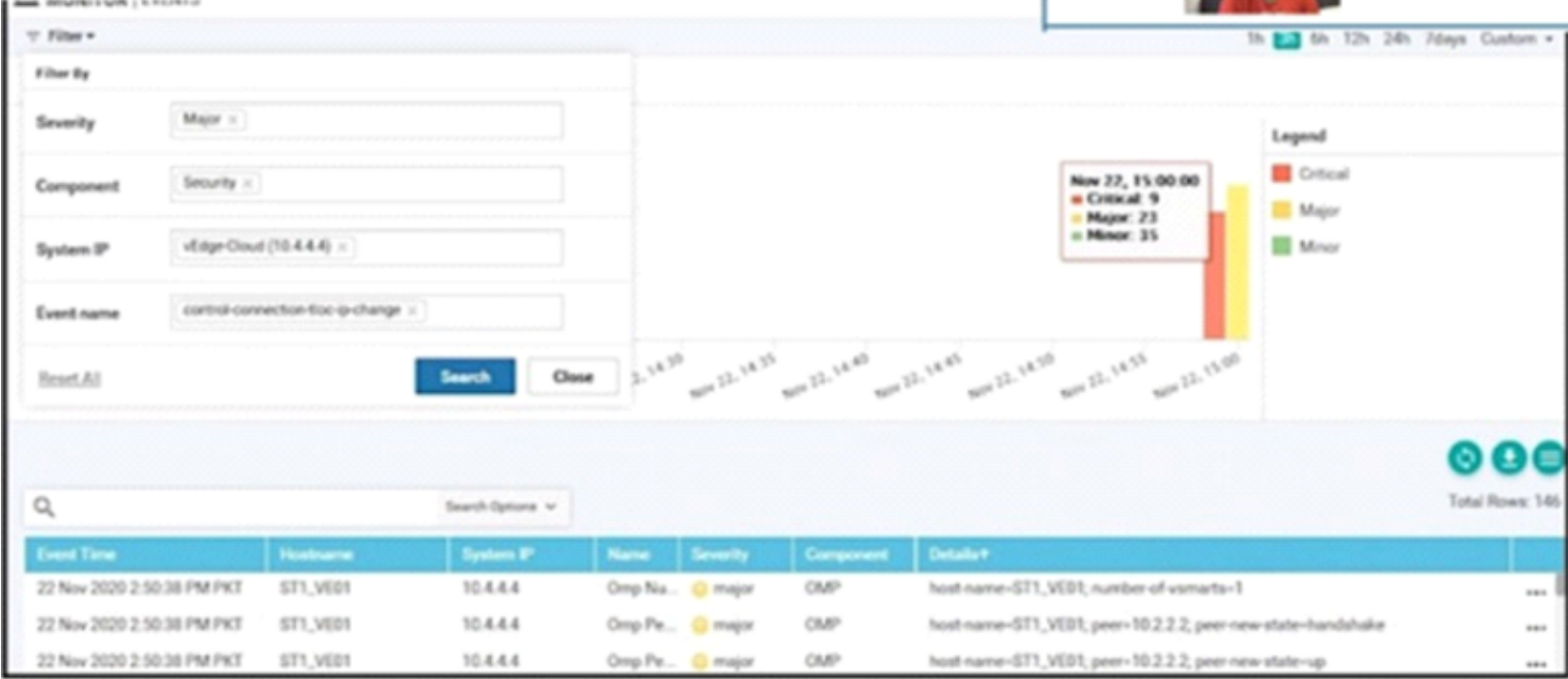


vManage logs are available for the past few months. A device name change deployed mistakenly at a critical site. How is the device name change tracked by operation and design teams?

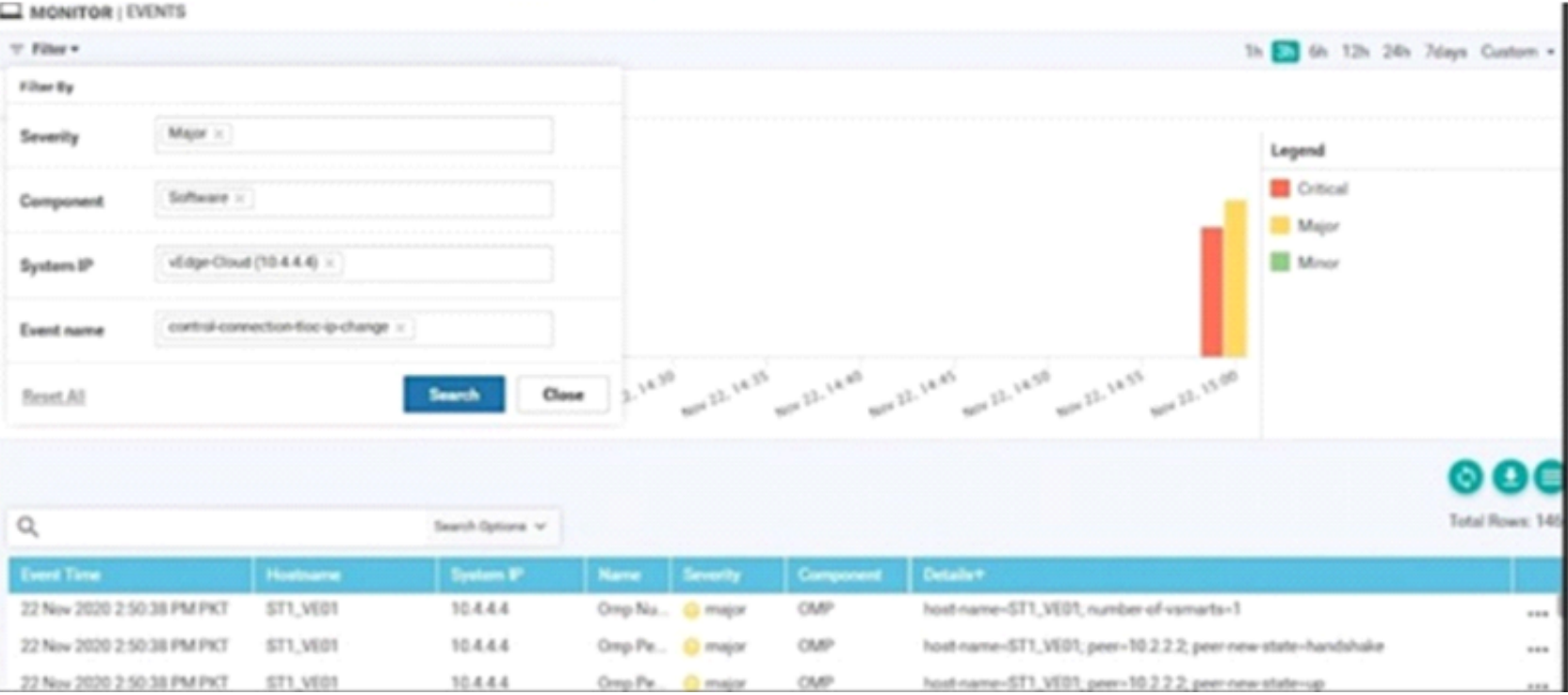
A)



B)



C)



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

Answer: B

NEW QUESTION 18

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 20

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 23

Which policy configures an application-aware routing policy under Configuration > Policies?

- A. Localized policy
- B. Centralized policy
- C. Data policy
- D. Control policy

Answer: B

NEW QUESTION 26

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	<p>Select the authentication mechanism for the user:</p> <ul style="list-style-type: none"> SHA-1 message digest SHA-256 message digest <p>Note Starting from Cisco SD-WAN Release 20.5.1, SHA-256 authentication protocol was introduced. When you choose SHA-256 as the authentication protocol, you must set the security level as authPriv.</p> <p>Note MD5 authentication protocol is deprecated for Cisco SD-WAN Release 20.3.2 and later releases.</p>

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

NEW QUESTION 27

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

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

Answer: A

NEW QUESTION 31

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

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

Answer: B

Explanation:

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

NEW QUESTION 32

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 35

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 37

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

A)

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

B)


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

C)

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

D)

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

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

Answer: C

NEW QUESTION 38

Which VPN connects the transport-side WAN Edge interface to the underlay/WAN network?

- A. VPN 1
- B. VPN 511
- C. VPN 0
- D. VPN 512

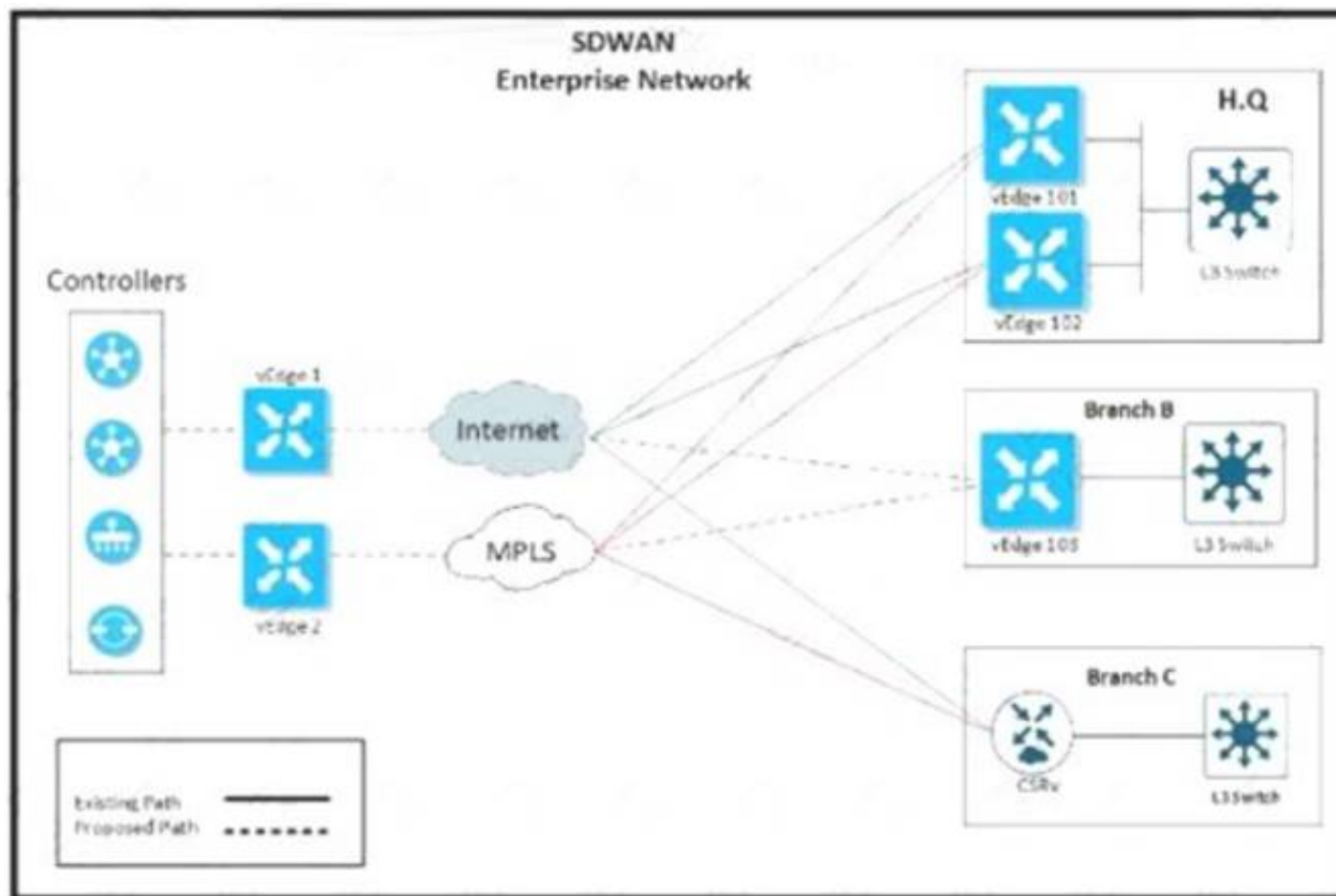
Answer: C

Explanation:

transport network and the transport network itself. The network ports that connect to the underlay network are part of VPN 0, the transport VPN. Getting connectivity to the Service Provider gateway in the transport network usually involves configuring a static default gateway (most

NEW QUESTION 43

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 45

Refer to the exhibit.

Hostname	State	System IP	Reachability	Site ID	Device Model	BFD	Control
 BR1-VEDGE1		10.3.0.1	reachable	300	vEdge Cloud	8	5

What does the BFD value of 8 represent?

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

Answer: A

NEW QUESTION 46

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 47

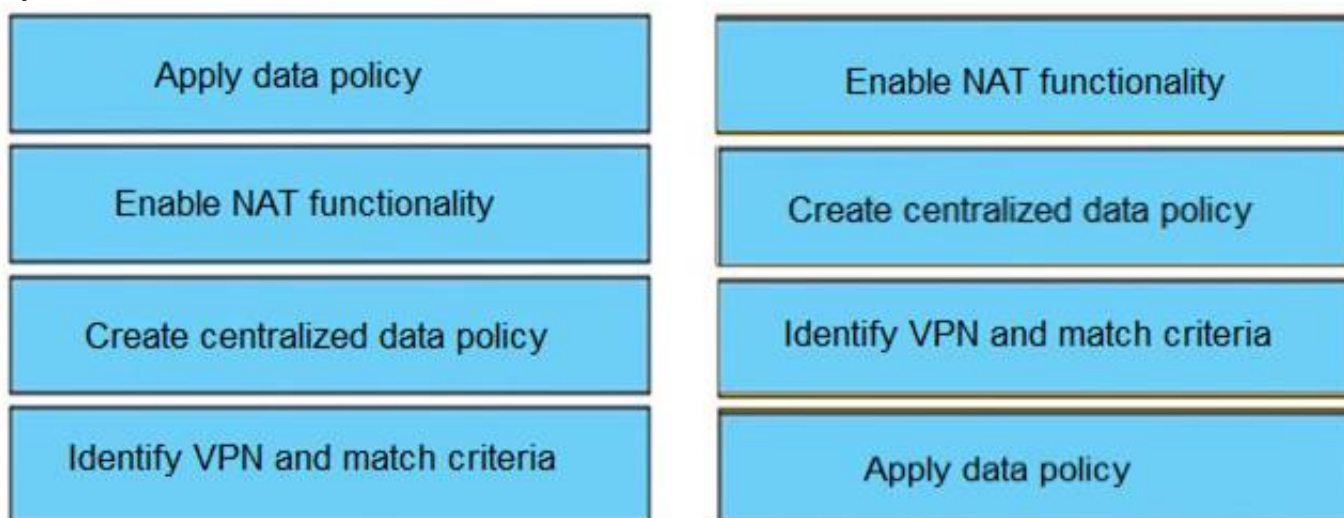
Drag and drop the actions from the left into the correct sequence on the right to create a data policy to direct traffic to the Internet exit.



- A. Mastered
B. Not Mastered

Answer: A

Explanation:



NEW QUESTION 48

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 50

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

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

Answer: BC

Explanation:

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

NEW QUESTION 52

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

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

Answer: B

Explanation:

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

NEW QUESTION 54

Refer to the exhibit.

The screenshot shows the Cisco vManage configuration interface for BGP. The 'Basic Configuration' tab is selected. The configuration fields are as follows:

- Shutdown:** Radio buttons for Yes and No. 'No' is selected.
- AS Number:** Text field containing '65590'.
- Router ID:** Text field containing '192.168.1.1'.
- Propagate AS Path:** Radio buttons for On and Off. 'On' is selected.
- Internal Routes Distance:** Text field with a dropdown menu icon (checkmark).
- Local Routes Distance:** Text field with a dropdown menu icon (checkmark).
- External Routes Distance:** Text field with a dropdown menu icon (checkmark).

At the bottom right, there are 'Save' and 'Cancel' buttons.

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

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

Answer: C

NEW QUESTION 55

A policy is created to influence routing 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. Control-policy
- C. cflowd-template
- D. App-route policy

Answer: B

Explanation:

Control policy, which is similar to standard routing policy, operates on routes and routing information in the control plane of the overlay network. Centralized control policy, which is provisioned on the Cisco vSmart Controller, is the Cisco SD-WAN technique for customizing network-wide routing decisions that determine or influence routing paths through the overlay network. Local control policy, which is provisioned on a Cisco vEdge device, allows customization of routing decisions

NEW QUESTION 56

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 60

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

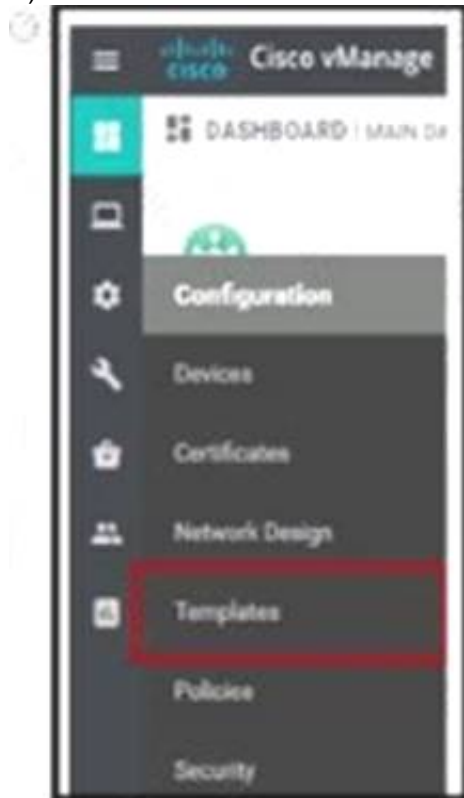
Explanation:

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

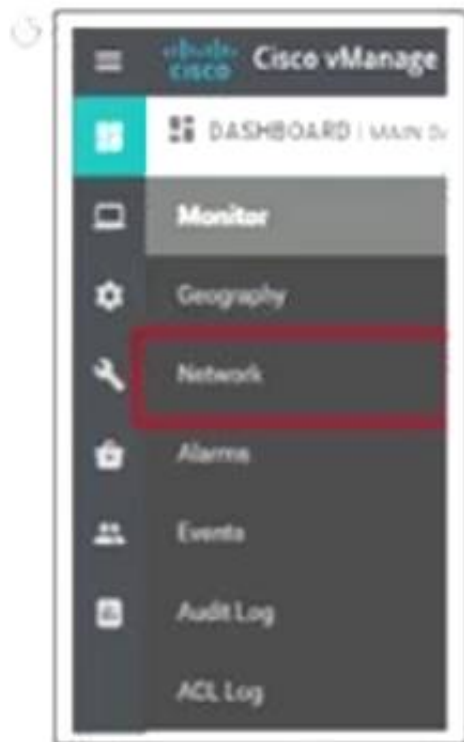
NEW QUESTION 63

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?

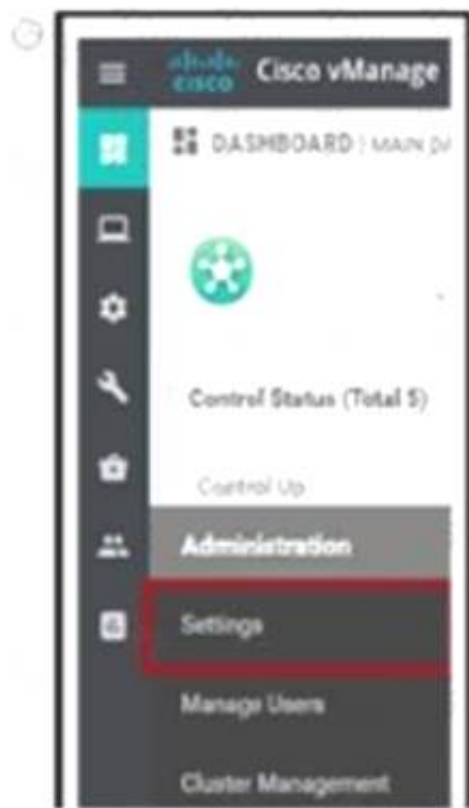
A)



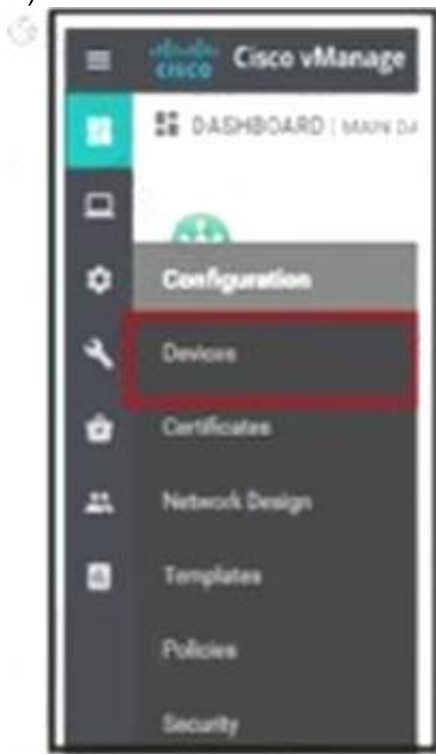
B)



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 64

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

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

Answer: D

NEW QUESTION 67

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 72

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 75

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

A)

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

B)

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

C)

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

D)

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

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

Answer: B

NEW QUESTION 79

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

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

Answer: A

NEW QUESTION 84

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

- A. HP ProLiant DL360 Generation 10 running HP-UX
- B. Cisco ENCS 5000 Series
- C. Sun SPARC Node running AIX
- D. Cisco UCS
- E. Sun Enterprise M4000 Server running Sun Solaris

Answer: BD

Explanation:

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

NEW QUESTION 85

Refer to the exhibit.

```
vpn 1
service netsvc1 interface ipsec1

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

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

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

Answer: B

Explanation:

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

NEW QUESTION 88

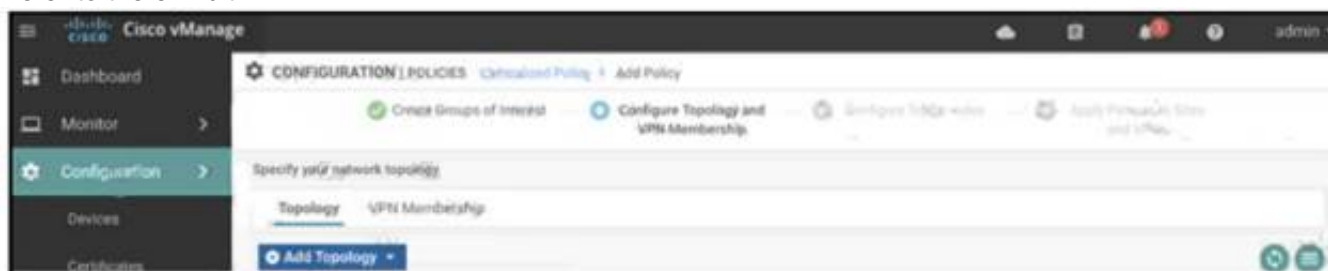
A Cisco SD-WAN customer has a requirement to calculate the SHA value for files as they pass through the device to see the returned disposition and determine if the file is good, unknown or malicious. The customer also wants to perform real-time traffic analysis and generate alerts when threats are detected 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 92

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 95

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?

- vpn-list VPN10
sequence 1
match
- A. app-list youtube
action accept
set
policer App-police
- policy
data-policy policy-name
vpn-list 10
- B. sequence 1
action accept
set
policer App-police
- vpn 10
interface ge0/0/0
- C. set
policer App-police in
default action accept
- policy
action accept
set
policer App-police
- D.

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

Answer: B

NEW QUESTION 98

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 103

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 108

Refer to the exhibit.

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

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

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

- A. 9
B. 9000

C. 90000
D. 9000000

Answer: B

Explanation:

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

NEW QUESTION 111

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

VPN S12	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 S12	route-map
VPN 0	VPN 0
route-map	VPN S12
organization name	VPN 10
VPN 10	organization name

NEW QUESTION 114

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:

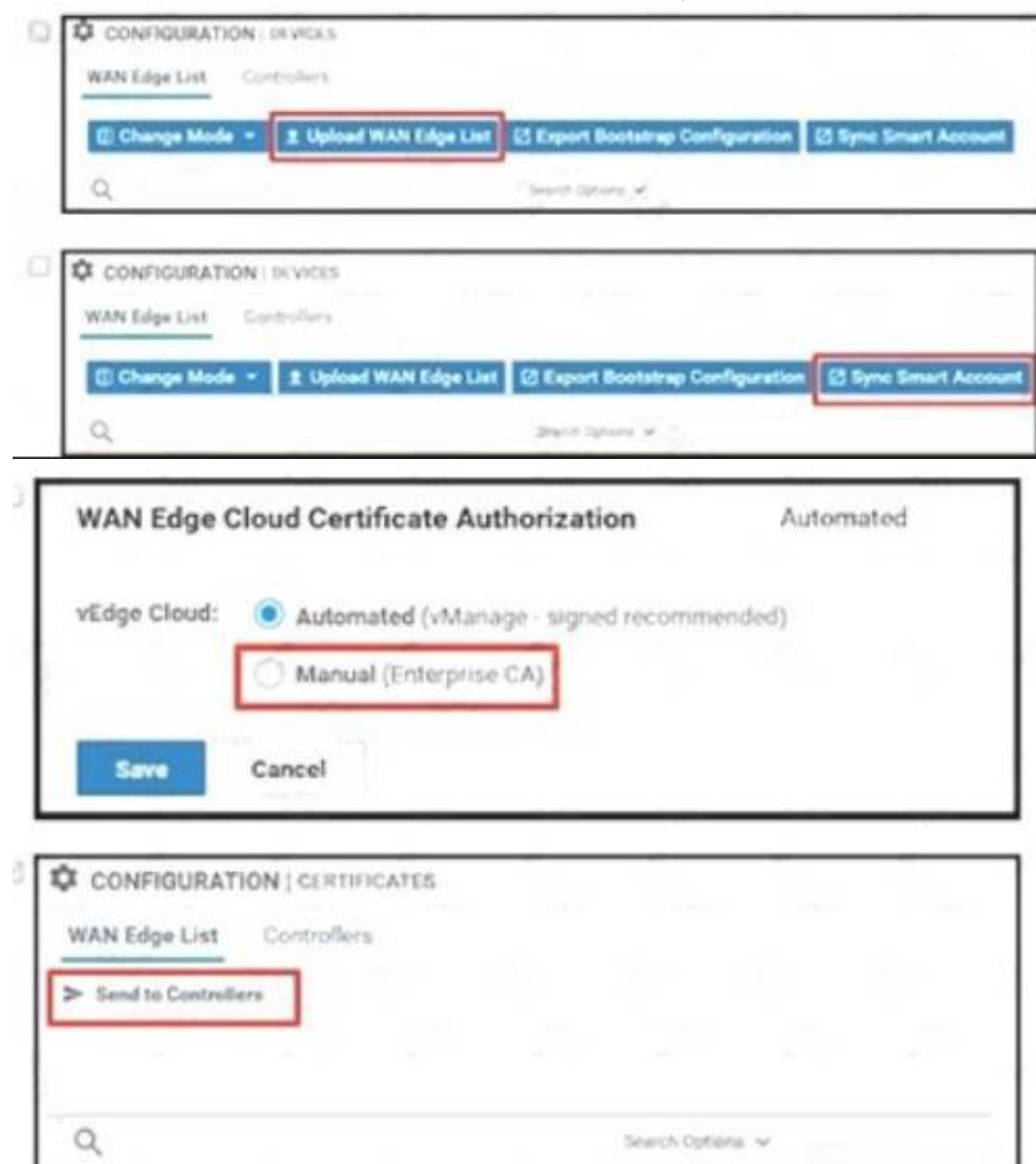
Configure a tunnel interface over which to run TLOC extensions (on IOS XE routers only). TLOC extensions allow you to extend a TLOC, over a GRE tunnel, to another router in the branch.

Command Hierarchy

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

NEW QUESTION 119

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 120

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

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

Answer: A

Explanation:

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

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

NEW QUESTION 124

Which configuration step is taken on vManage after WAN Edge list is uploaded?

- A. Send the list to controllers
- B. Enable the ZTP process
- C. Verify the device certificate
- D. Set the device as valid

Answer: D

Explanation:

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

device state must be moved from staging to valid. In vManage under **Configuration > Certificates > WAN Edge List**, select the WAN Edge device(s) and change the state to **valid** under the **Validity** column and click **Send to Controllers**.

NEW QUESTION 127

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 130

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

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

Answer: B

Explanation:**Replicators**

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

NEW QUESTION 133

Refer to the exhibit.

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

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

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

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

Answer: BC

NEW QUESTION 138

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 143

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

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

Answer: A

Explanation:

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

NEW QUESTION 147

Which command displays BFD session summary information per TLOC on vEdge routers?

- A. show bfd history
- B. show bfd summary
- C. show bfd sessions
- D. show bfd tloc-summary-list

Answer: D

NEW QUESTION 149

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

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

Answer: A

Explanation:

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

NEW QUESTION 153

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

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

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

vEdge
vBond
vManage
vSmart

NEW QUESTION 157

Which protocol is used for the vManage to connect to the vSmart Controller hosted in Cloud?

- A. PnP Server
- B. ZTP
- C. NETCONF
- D. HTTP

Answer: C

Explanation:

Netconf and CLI—Netconf is a standards-based protocol used by Cisco vManage to provision a Cisco vSmart Controller.

NEW QUESTION 159

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 160

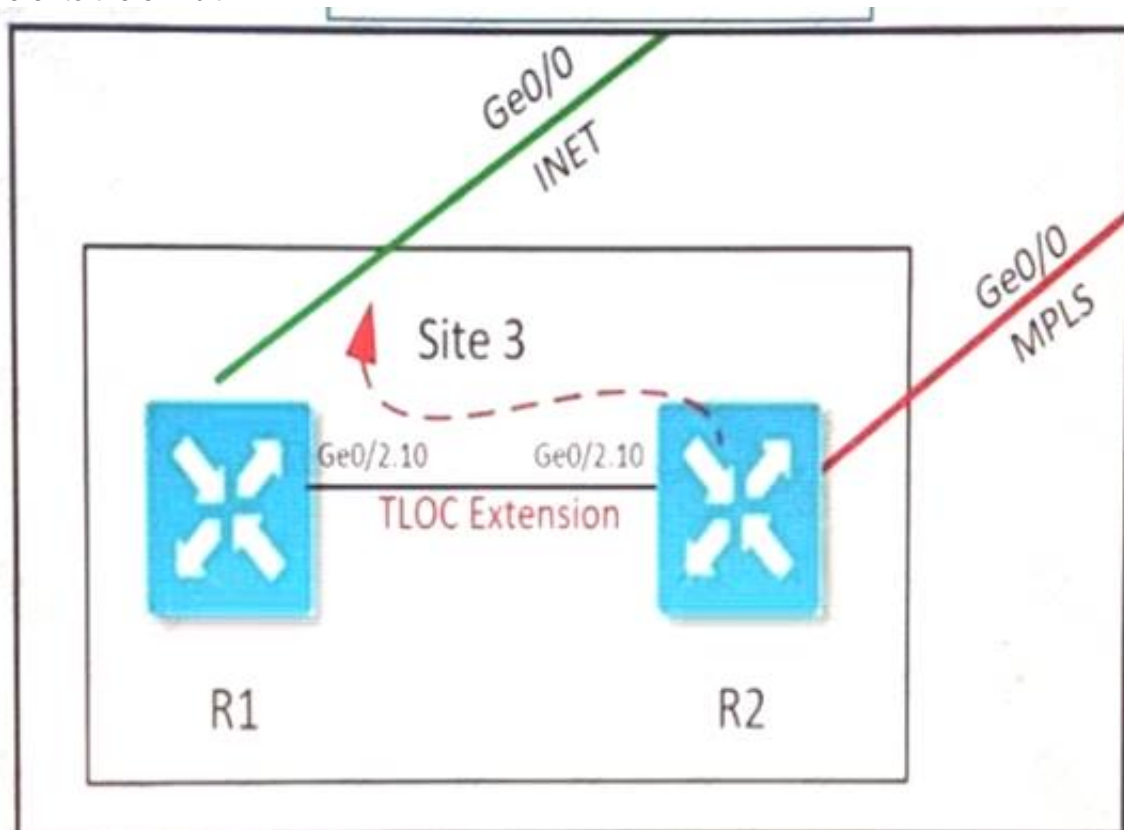
Which protocol is configured on tunnels by default to detect loss, latency, jitter, and path failures in Cisco SD-WAN?

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

Answer: B

NEW QUESTION 165

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 167

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

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

Answer: B

NEW QUESTION 170

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

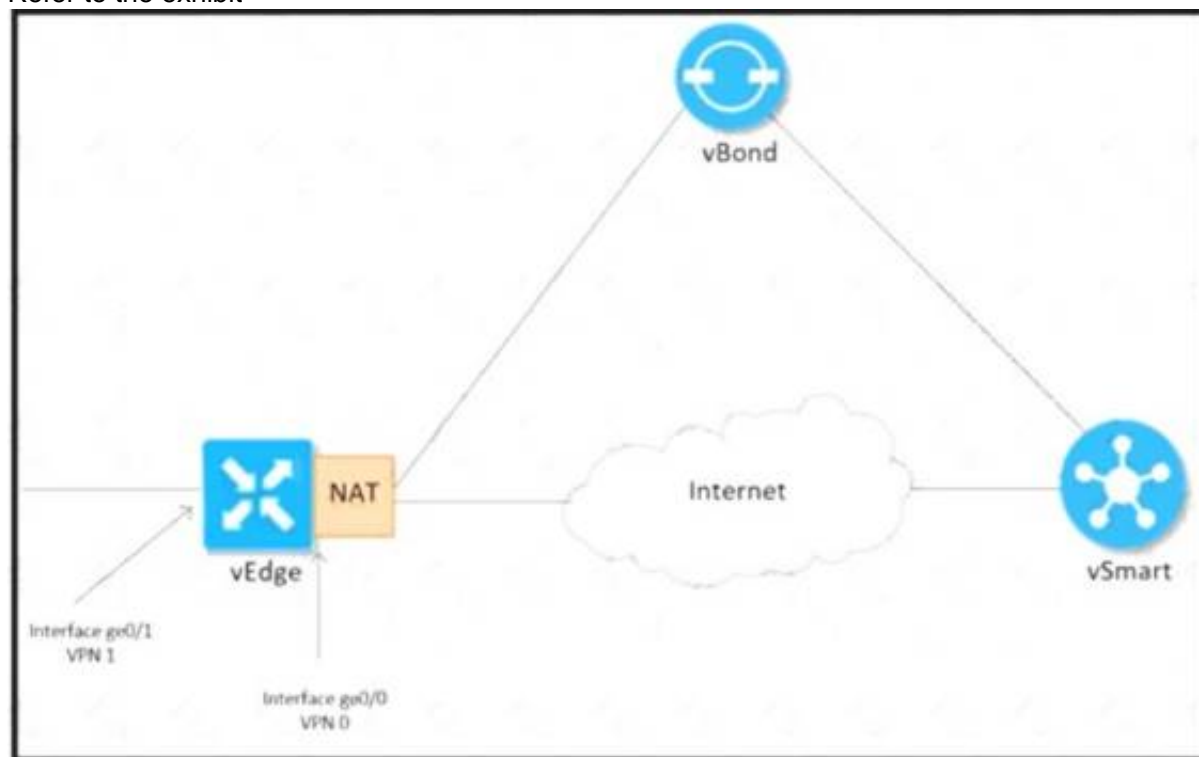
Explanation:

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 173

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 178

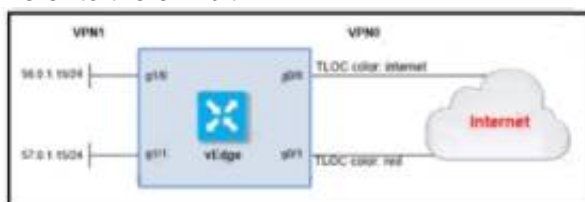
An engineer must use data prefixes to configure centralized data policies using the vManage policy configuration wizard. What is the first step to accomplish this task?

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

Answer: A

NEW QUESTION 179

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 183

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 188

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 193

Refer to the exhibit

Timestamp	User	User IP	Message	Module	Feature	Device	Task ID
18 Dec 2020 ...	system	10.1.1.1	Uploaded root ca uaid list file on vBlond-d3aa12f...	vmanage-roo...	vmanage-root-ca	10.3.3.3	d3aa12fd-b024-4246-899a-...
18 Dec 2020 ...	system	10.1.1.1	Transferred root ca uaid list file to vBlond-d3aa12...	vmanage-roo...	vmanage-root-ca	10.3.3.3	d3aa12fd-b024-4246-899a-...
18 Dec 2020 ...	system	10.1.1.1	Installed root cert chain on vBlond-d3aa12fd-b02...	vmanage-roo...	vmanage-root-ca	10.3.3.3	d3aa12fd-b024-4246-899a-...
18 Dec 2020 ...	system	10.1.1.1	Transferred root cert chain file to vBlond-d3aa12f...	vmanage-roo...	vmanage-root-ca	10.3.3.3	d3aa12fd-b024-4246-899a-...
18 Dec 2020 ...	system	10.1.1.1	Installed root cert chain on vSmart-5478ad3f-04...	vmanage-roo...	vmanage-root-ca	10.2.2.2	5478ad3f-04e0-4d0f-b654-...
18 Dec 2020 ...	system	10.1.1.1	Transferred root cert chain file to vSmart-5478ad...	vmanage-roo...	vmanage-root-ca	10.2.2.2	5478ad3f-04e0-4d0f-b654-...
18 Dec 2020 ...	system	10.1.1.1	Uploaded root ca uaid list file on vBlond-d3aa12f...	vmanage-roo...	vmanage-root-ca	10.3.3.3	d3aa12fd-b024-4246-899a-...
18 Dec 2020 ...	system	10.1.1.1	Installed root cert chain on vManage-6842d5cf-...	vmanage-roo...	vmanage-root-ca	10.1.1.1	6842d5cf-ce74-41a0-9ff5-...
18 Dec 2020 ...	system	10.1.1.1	Transferred root ca uaid list file to vBlond-d3aa12...	vmanage-roo...	vmanage-root-ca	10.3.3.3	d3aa12fd-b024-4246-899a-...
18 Dec 2020 ...	system	10.1.1.1	Transferred root cert chain file to vManage-6842...	vmanage-roo...	vmanage-root-ca	10.1.1.1	6842d5cf-ce74-41a0-9ff5-...

```
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)

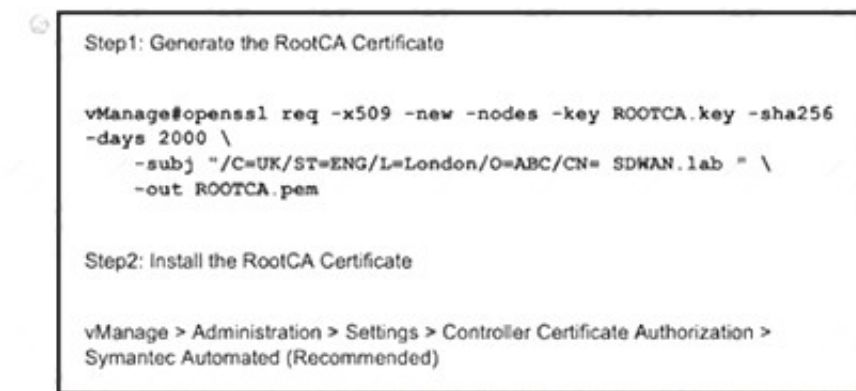
```
Step1: Generate the RootCA Certificate

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)



- 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 194

What is a benefit of the application aware firewall feature in the Cisco SD-WAN solution?

- A. application monitoring
- B. application malware protection
- C. application visibility
- D. control policy enforcement

Answer: C

Explanation:

<https://www.cisco.com/c/dam/en/us/td/docs/routers/sdwan/configuration/config-18-4.pdf#page=242>

The Application Firewall inspects and blocks traffic based on applications or application-family. This application-aware firewall feature provides the following benefits:

- Application visibility and granular control

NEW QUESTION 196

Which two sets of identifiers does OMP carry when it advertises TLOC routes between WAN Edge routers? (Choose two.)

- A. TLOC public and private address, carrier, and preference
- B. source and destination IP address, MAC, and site ID
- C. system IP address, link color, and encapsulation
- D. VPN ID, local site network, and BGP next-hop IP address
- E. TLOC public and private address, tunnel ID, and performance

Answer: AC

NEW QUESTION 200

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

A)

CONFIGURATION | TEMPLATES

Device Feature

Feature Template Add Template - OMP

Basic Configuration Timers Advertise

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

B)

Feature Template Add Template - OMP

Basic Configuration Timers Advertise

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

C)

CONFIGURATION | TEMPLATES

Device Feature

Feature Template Add Template - OMP

Basic Configuration Timers Advertise

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

D)

CONFIGURATION | TEMPLATES

Device Feature

Feature Template - Add Template - OMP

Basic Configuration Timers Advertise

Graceful Restart for OMP	<input checked="" type="radio"/> On <input type="radio"/> Off
Overlay AS Number	<input type="text" value="1"/>
Graceful Restart Timer (seconds)	<input type="text" value="43200"/>
Number of Paths Advertised per Prefix	<input type="text" value="2"/>
ECMP Limit	<input type="text" value="4"/>
Shutdown	<input type="radio"/> Yes <input checked="" type="radio"/> No

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

Answer: D

NEW QUESTION 201

.....

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* One year free update

You can enjoy free update one year. 24x7 online support.

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