



Cisco

Exam Questions 300-415

Implementing Cisco SD-WAN Solutions (ENSDWI)

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NEW QUESTION 1

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 2

Which logs verify when a device was upgraded?

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

Answer: A

NEW QUESTION 3

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

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

Answer: B

Explanation:

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

NEW QUESTION 4

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 netsvc1  
  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 5

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 6

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 7

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 8

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 9



What is a benefit of using REST APIs?

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

Answer: B

NEW QUESTION 10

Refer to the exhibit.

Hostname	State	System IP	Reachability	Site ID	Device Model	BFD	Control
 BR1-VEGE1		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 10

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

- A. localized data policy
- B. localized control policy

- C. centralized data policy
- D. centralized control policy

Answer: C

NEW QUESTION 11

An administrator wants to create a policy to add a traffic policer called "politer-ccnp" to police data traffic on the WAN Edge. Which configuration accomplishes this task in vSmart?

- A.

```
vpn 1
interface ge 0/4
policer policer-ccnp in
```
- B.

```
policy
data-policy policy-ccnp
vpn-list list-ccnp
sequence number
action accept
set policer policer-ccnp
```
- C.

```
policy
access-list list-ccnp
sequence number
action accept
policer policer-ccnp
```
- D.

```
vpn 1
interface ge 0/4
policer policer-ccnp out
```

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

Answer: B

NEW QUESTION 13

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

NEW QUESTION 17

Drag and drop the attributes from the left that make each transport location unique onto the right. Not all options are used.

IP address	target1
color	target2
encapsulation	target3
VPN	
service	

- A. Mastered
- B. Not Mastered

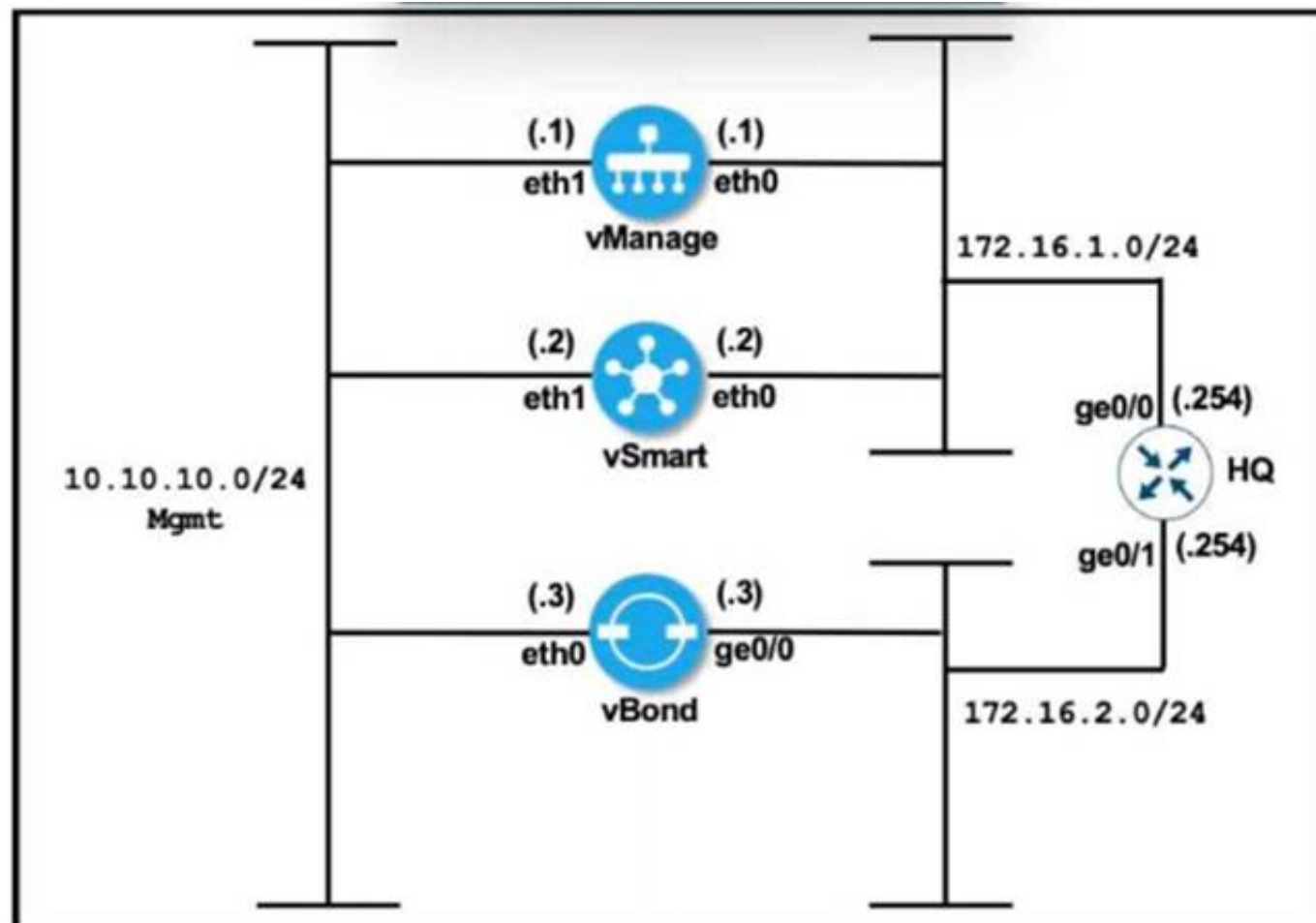
Answer: A

Explanation:

A TLOC, or Transport Location, is the attachment point where a WAN Edge router connects to the WAN transport network. A TLOC is uniquely identified and represented by a three-tuple, consisting of system IP address, link color, and encapsulation (Generic Routing Encapsulation [GRE] or IPsec).

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

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

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

Answer: C

NEW QUESTION 23

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 25

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 26

Drag and drop the Cisco SD-WAN components from the left onto their functions on the right.

vBond Orchestrator	IPsec key reflection and rekeying
vManage	first point of authentication
vSmart Controller	passes data plane traffic
WAN Edge Router	used to build configuration and policies

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

vBond Orchestrator	vSmart Controller
vManage	vBond Orchestrator
vSmart Controller	WAN Edge Router
WAN Edge Router	vManage

NEW QUESTION 30

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

A)

TUNNEL

Tunnel Interface

On

Off

Color

mgm

Restrict

On

Off

Groups

Border

On

Off

Control Connection

On

Off

Maximum Control Connections

1

vBond As Stun Server

On

Off

Exclude Controller Group List

vManage Connection Preference

Port Hop

On

Off

Low-Bandwidth Link

On

Off

B)

TUNNEL

Tunnel Interface

On

Off

Color

mgm

Restrict

On

Off

Groups

Border

On

Off

Control Connection

On

Off

Maximum Control Connections

vBond As Stun Server

On

Off

Exclude Controller Group List

vManage Connection Preference

Port Hop

On

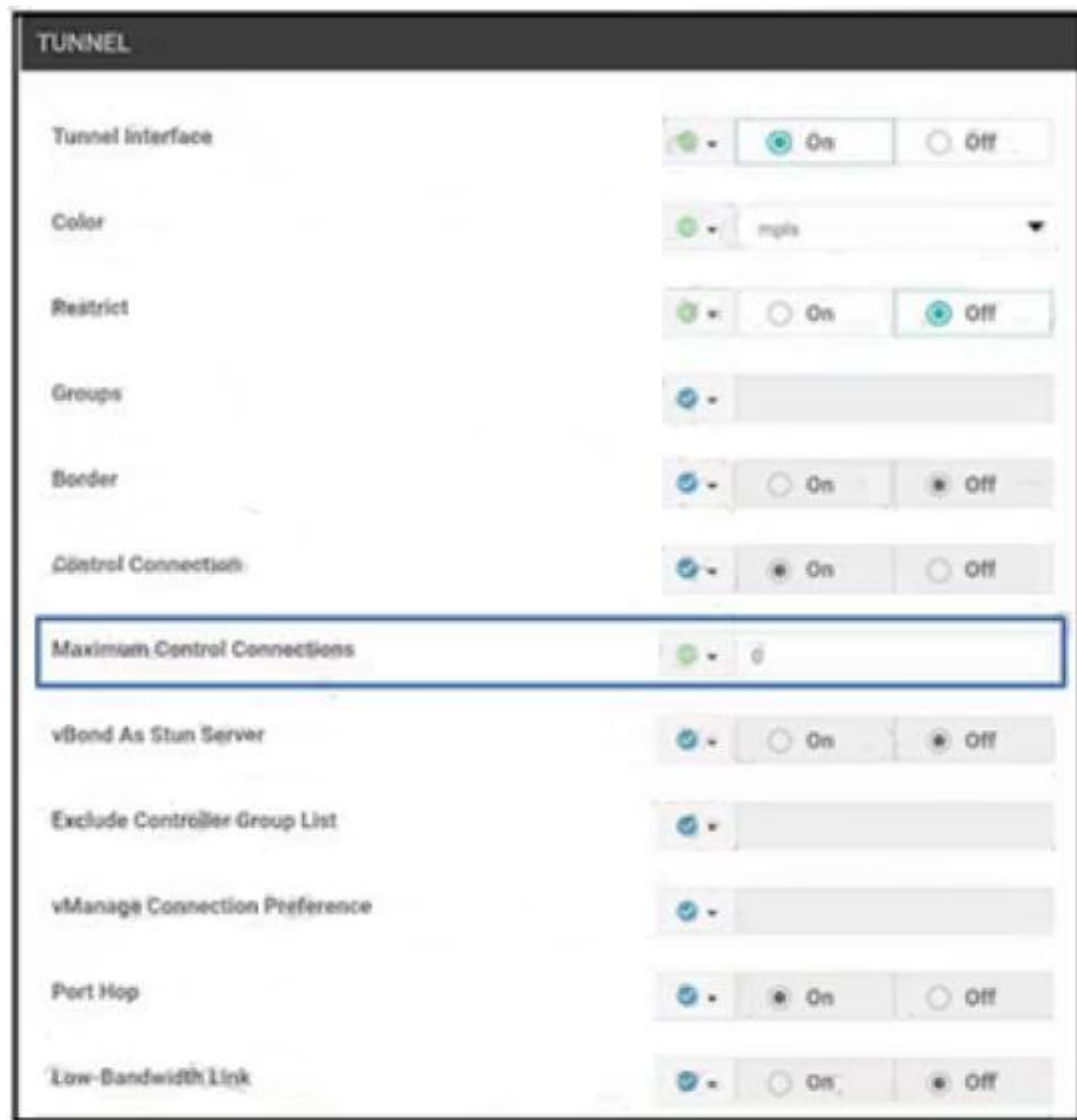
Off

Low-Bandwidth Link

On

Off

- C)
- Miss
- D)



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

Answer: A

NEW QUESTION 34

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

Answer: A

NEW QUESTION 38

An engineer is tasked to improve throughput for connection-oriented traffic by decreasing round-trip latency. Which configuration will achieve this goal?

- A. turn on "Enable TCP Optimization"
- B. turn off "Enhance ECMP Keying"
- C. turn off "Enable TCP Optimization"
- D. turn on "Enhance ECMP Keying"

Answer: A

Explanation:

TCP optimization fine-tunes the processing of TCP data traffic to decrease round-trip latency and improve throughput.

<https://www.cisco.com/c/dam/en/us/td/docs/routers/sdwan/configuration/config-18-2.pdf#page=530>

NEW QUESTION 41

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

- A. local data policy
- B. central data policy

- C. app-aware policy
- D. central control policy

Answer: A

Explanation:

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

NEW QUESTION 43

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

- A. HP ProLiant DL360 Generation10 running HP-UX
- B. Cisco ENCS 5000 Series
- C. Sun SPARC Node running AIX
- D. Cisco UCS
- E. Sun Enterprise M4000 Server running Sun Solans

Answer: BD

Explanation:

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

NEW QUESTION 46

Which secure tunnel type should be used to connect one WAN Edge router to other WAN Edge routers?

- A. TLS
- B. DTLS
- C. SSL VPN
- D. IPsec

Answer: D

NEW QUESTION 49

Which feature template configures OMP?

A)

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

B)

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

C)

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

D)

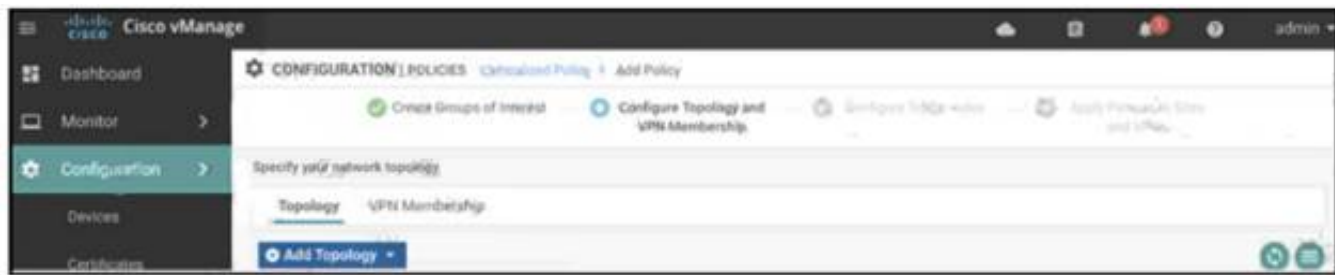
Section	Parameter	Type	Variable/value
Basic configuration	VPN	Global	512
	Name	Global	Management VPN
IPv4 Route	Prefix	Global	0.0.0.0/0
	Gateway	Radio button	Next Hop
	Next Hop	Device Specific	vpn512_mgt_next_hop_ip_addr

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

Answer: B

NEW QUESTION 51

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 56

An organization requires the use of integrated preventative engines, exploit protection, and the most updated and advanced signature-based antivirus with sandboxing and threat intelligence to stop malicious attachments before they reach users and get executed. Which Cisco SD-WAN solution meets the requirements?

- A. Cisco Trust Anchor module
- B. URL filtering and Umbrella DNS security
- C. Cisco AMP and Threat Grid
- D. Snort IPS

Answer: D

NEW QUESTION 59

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 63

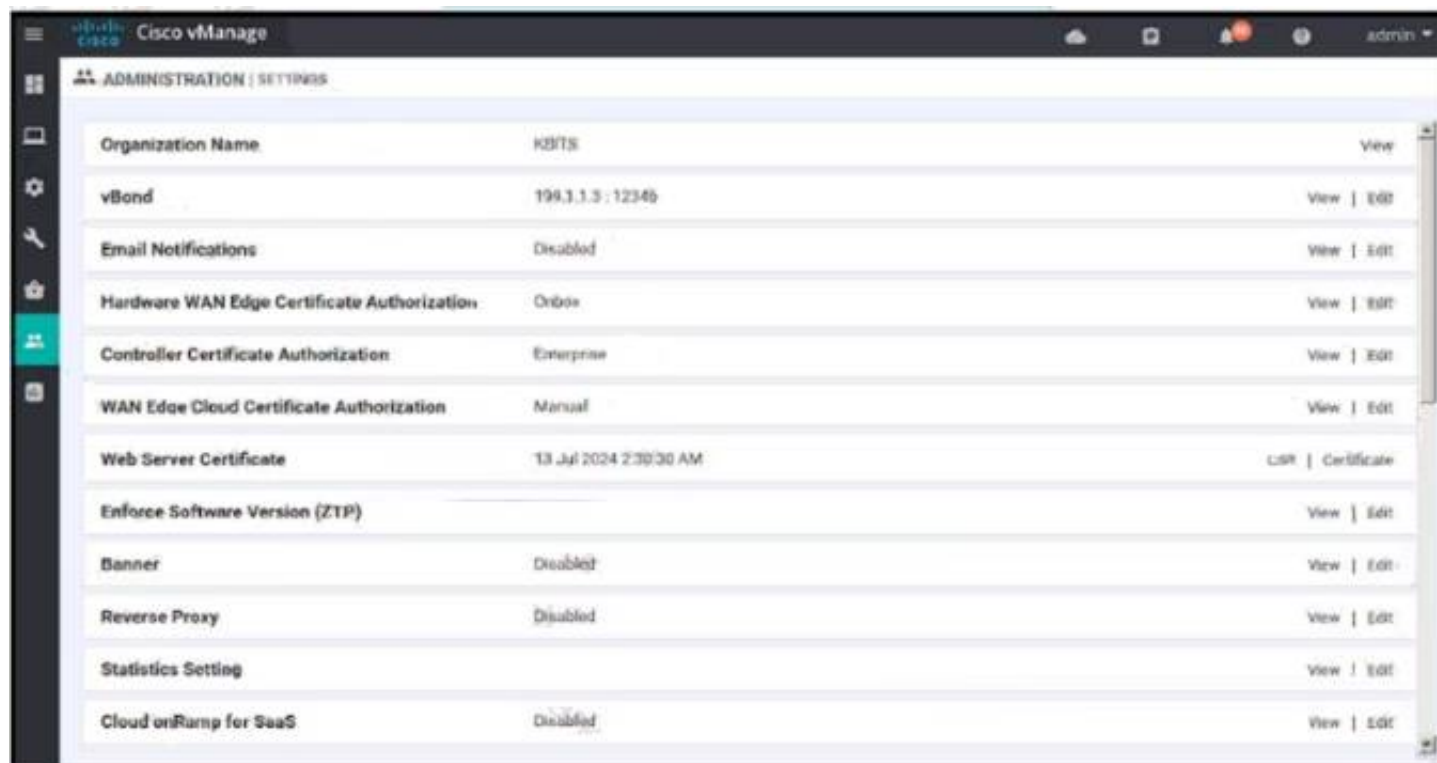
How is TLOC defined?

- 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 66

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 68

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 70

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 75

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 76

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

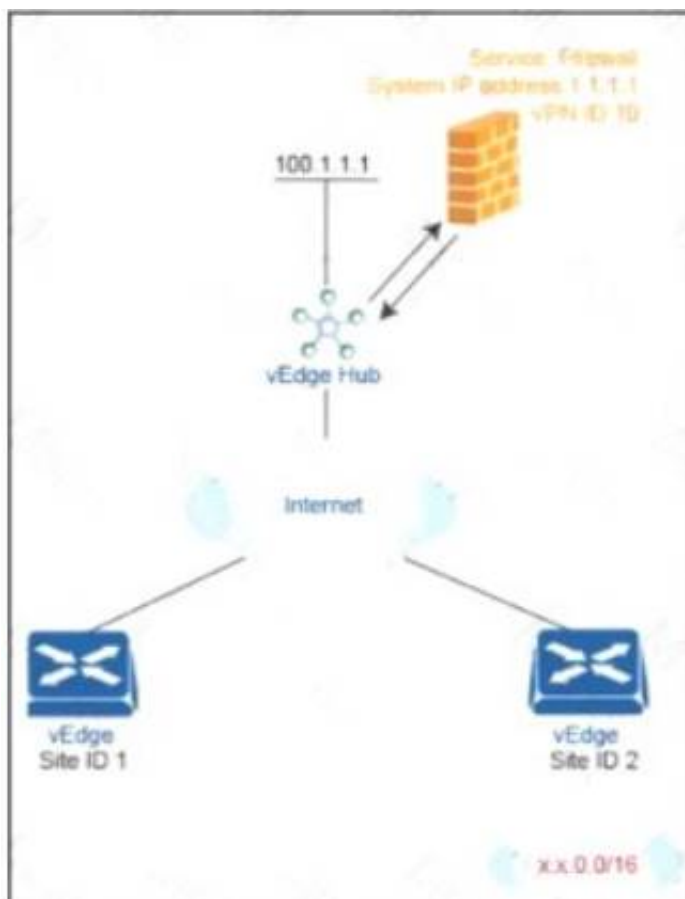
Explanation:

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 81

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 86

Which component of the Cisco SD-WAN architecture oversees the control plane of overlay network to establish, adjust, and maintain the connections between the WAN Edge devices that form the Cisco SD-WAN fabric?

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

Answer: C

Explanation:

Cisco vSmart Controller

The Cisco vSmart Controller oversees the control plane of the Cisco SD-WAN overlay network, establishing, adjusting, and maintaining the connections that form the Cisco SD-WAN fabric.

NEW QUESTION 89

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

NEW QUESTION 91

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 93

Which configuration changes the packet loss priority from low to highly?

A)

```
policy
  policer cnp-traffic
    rate 1000000
    burst 20000
    plp high
```

B)

```
policy
  policer cnp-traffic
    rate 1000000
    burst 20000
    exceed remark
```

C)


```
policy
  policer ccnp-traffic
    rate 1000000
    burst 20000
    exceed drop
```

D)

```
policy
  policer ccnp-traffic
    rate 1000000
    burst 20000
    exceed high
```

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

Answer: B

Explanation:

we change the PLP from low to high (configured by the **policer exceed remark** command).

<https://www.cisco.com/c/en/us/td/docs/routers/sdwan/configuration/qos/vEdge-20-x/qos-book/forwarding-qos.h>

NEW QUESTION 98

Which hardware component is involved in the Cisco SD-WAN authentication process for ISR platforms?

- A. TPMD
- B. ZTP
- C. TPC
- D. SUDI

Answer: D

NEW QUESTION 102

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

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

Answer: CE

Explanation:

2. Virtual platforms

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

NEW QUESTION 104

Which value is verified in the certificates to confirm the identity of the physical WAN Edge device?

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

Answer: A

Explanation:

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

NEW QUESTION 105

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

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

Answer: C

NEW QUESTION 109

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

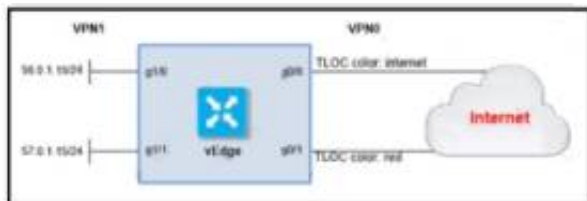
Explanation:

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 113

Refer to the exhibit.



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

A)

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

B)

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

C)

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

D)

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

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

Answer: C

Explanation:

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

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




NEW QUESTION 114

Refer to the exhibit

MONITOR | AUDIT LOG

Filter Module: vManage Root CA

1h 3h 6h 12h 24h 7days Custom



Search Options

Total Rows: 10

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 vBond-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 vBond-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 vBond-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 vBond-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 vBond-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 vBond-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)

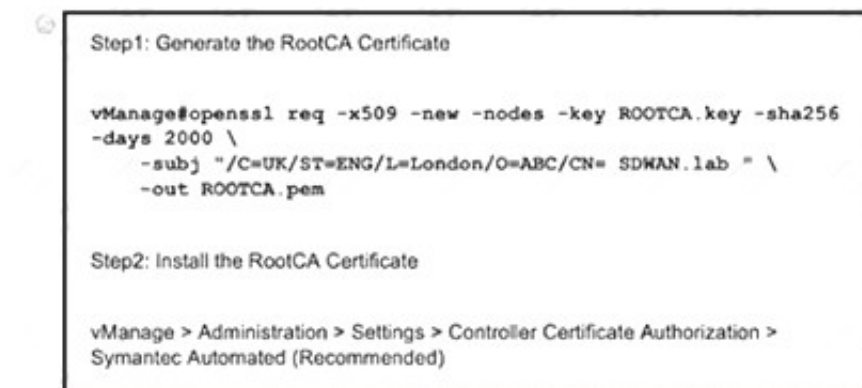
Step1: Generate the RootCA Certificate

```
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 116

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

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

Answer: D

NEW QUESTION 117

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 120

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

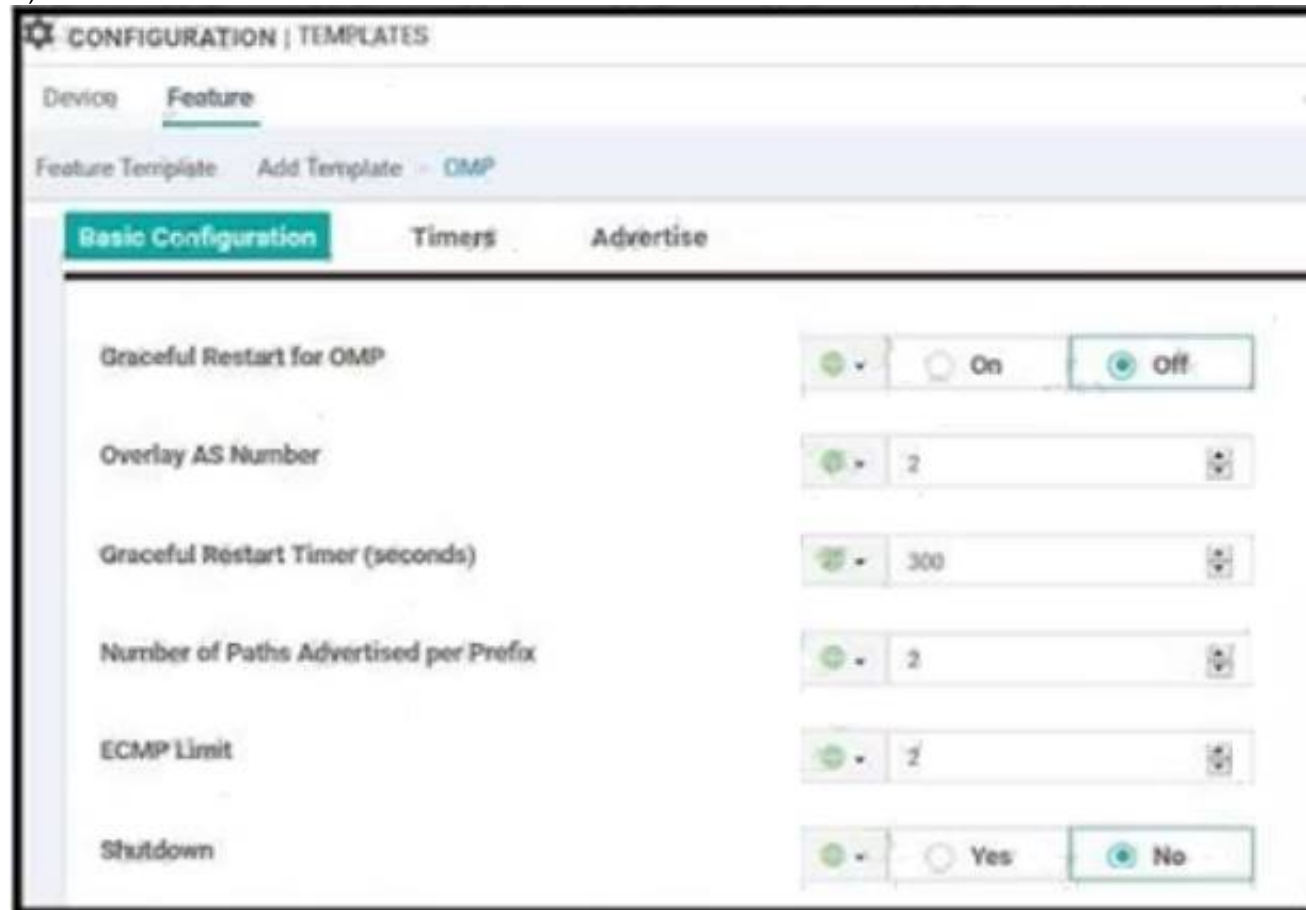
- A. control policy on vManage
- B. control policy on vSmart
- C. data policy on vSmart
- D. app route policy on vSmart

Answer: A

NEW QUESTION 124

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

A)



CONFIGURATION | TEMPLATES

Device Feature

Feature Template Add Template OMP

Basic Configuration Timers Advertise

Graceful Restart for OMP ☒ On ☐ Off

Overlay AS Number

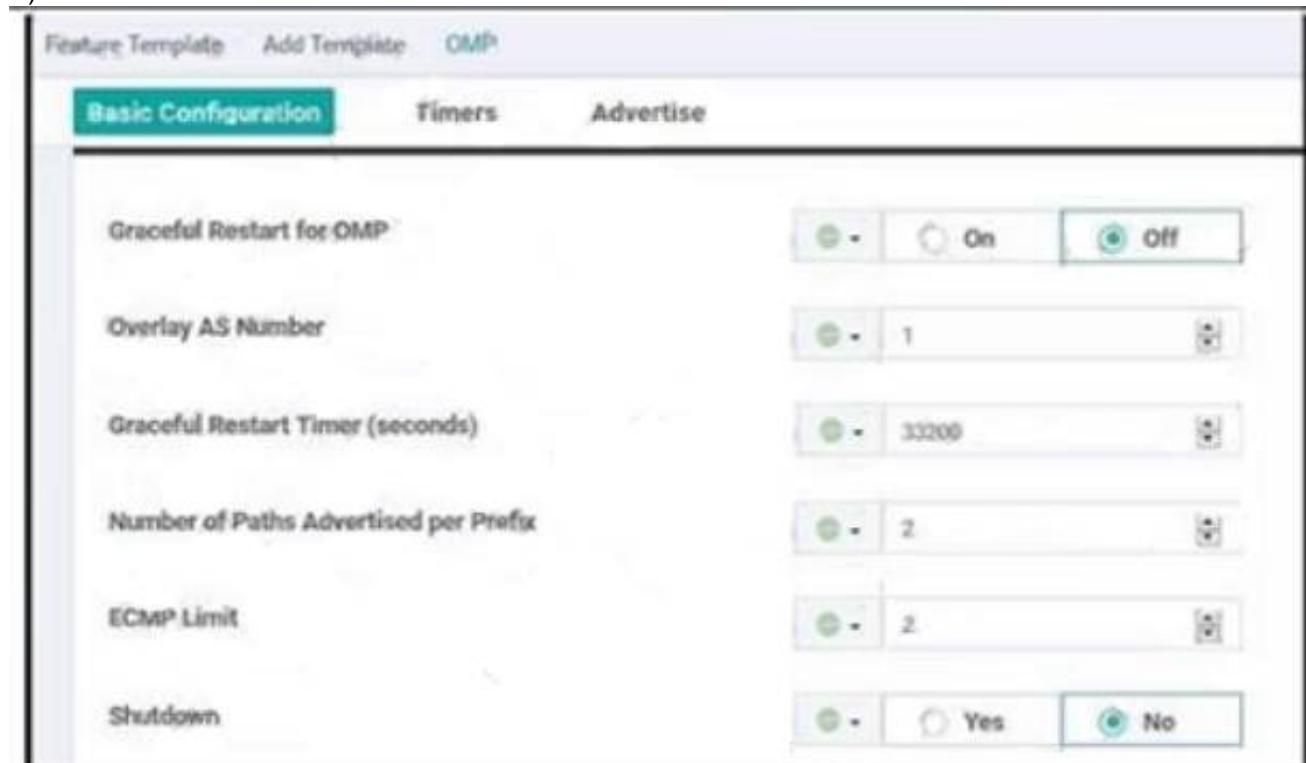
Graceful Restart Timer (seconds)

Number of Paths Advertised per Prefix

ECMP Limit

Shutdown ☐ Yes ☒ No

B)



Feature Template Add Template OMP

Basic Configuration Timers Advertise

Graceful Restart for OMP ☒ On ☐ Off

Overlay AS Number

Graceful Restart Timer (seconds)

Number of Paths Advertised per Prefix

ECMP Limit

Shutdown ☐ Yes ☒ No

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	<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="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 125

.....

Relate Links

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