Exam Questions 300-415

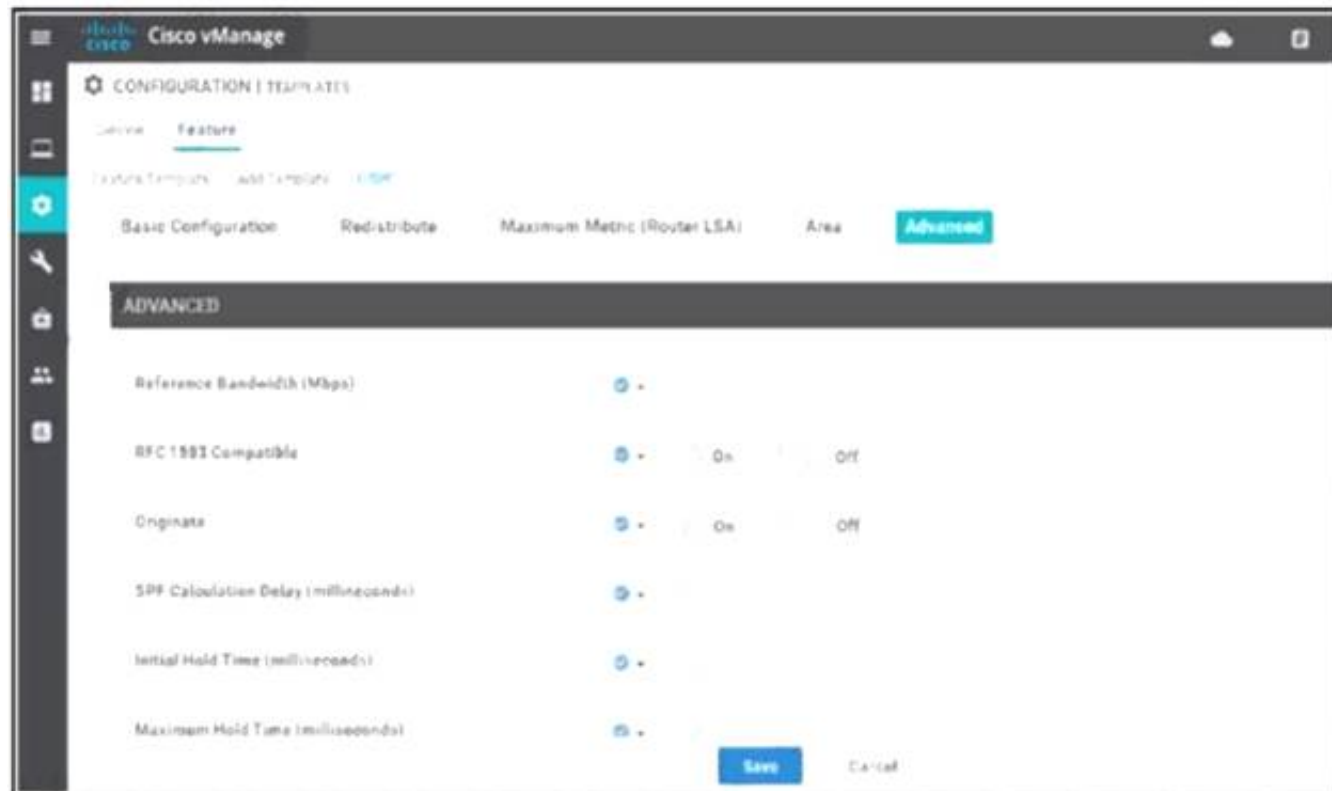Implementing Cisco SD-WAN Solutions (ENSDWI)

https://www.2passeasy.com/dumps/300-415/

NEW QUESTION 1
Refer to the exhibit.

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

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

Answer: C

NEW QUESTION 2
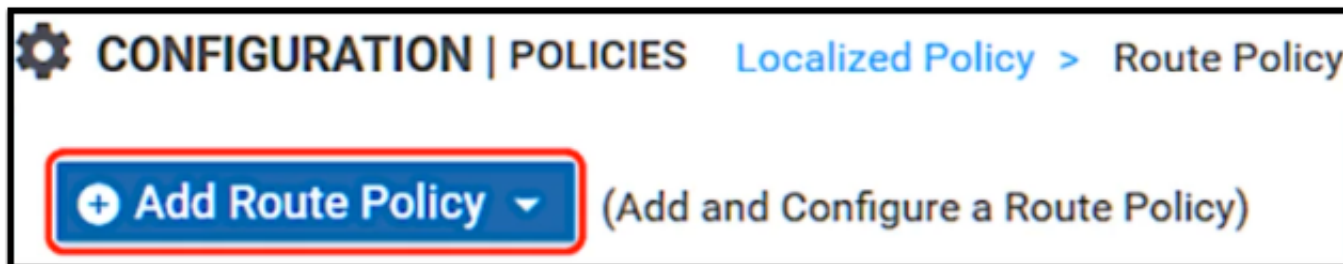Which two image formats are supported for controller codes? (Choose two.)

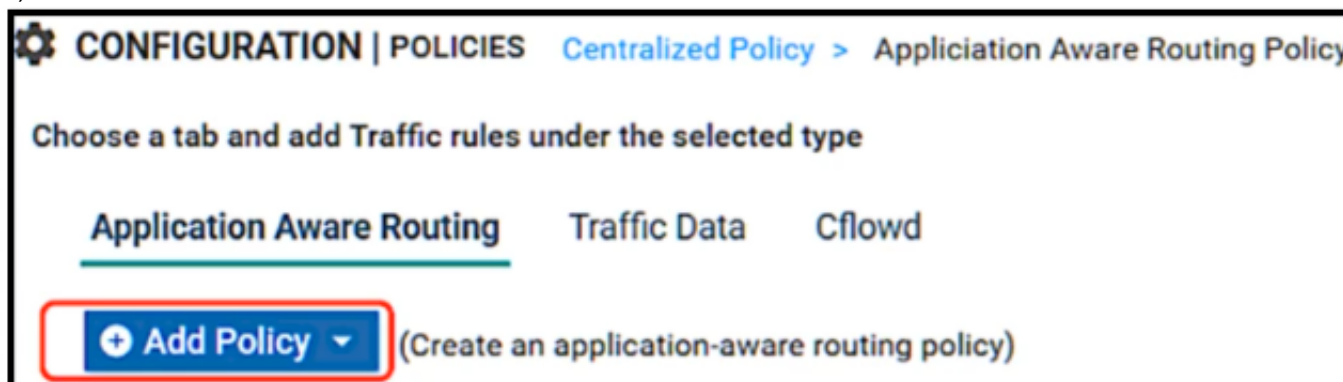A. .nxos
B. .qcow2
C. .ova
D. .bin
E. Tgz

Answer: BC

NEW QUESTION 3
An engineer must configure the SD-WAN Edge router to identify DSCP 26 traffic coming from the router's local site and then change the DSCP value to DSCP 18 before sending it over to the SD-WAN fabric. What are the two ways to create the required configuration? (Choose two).
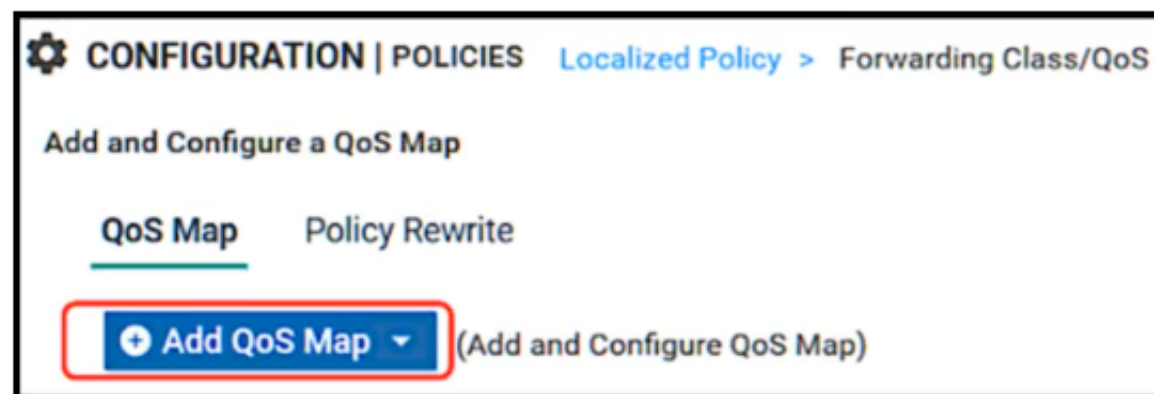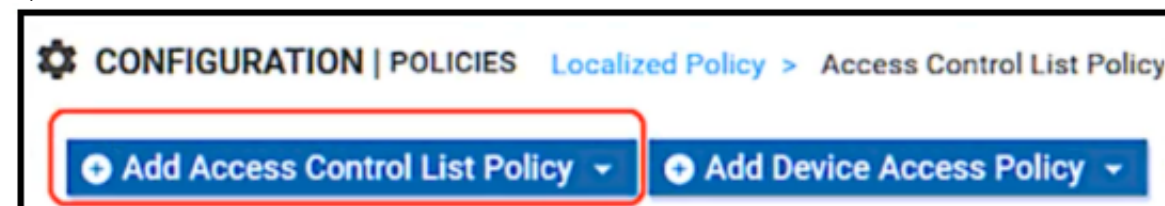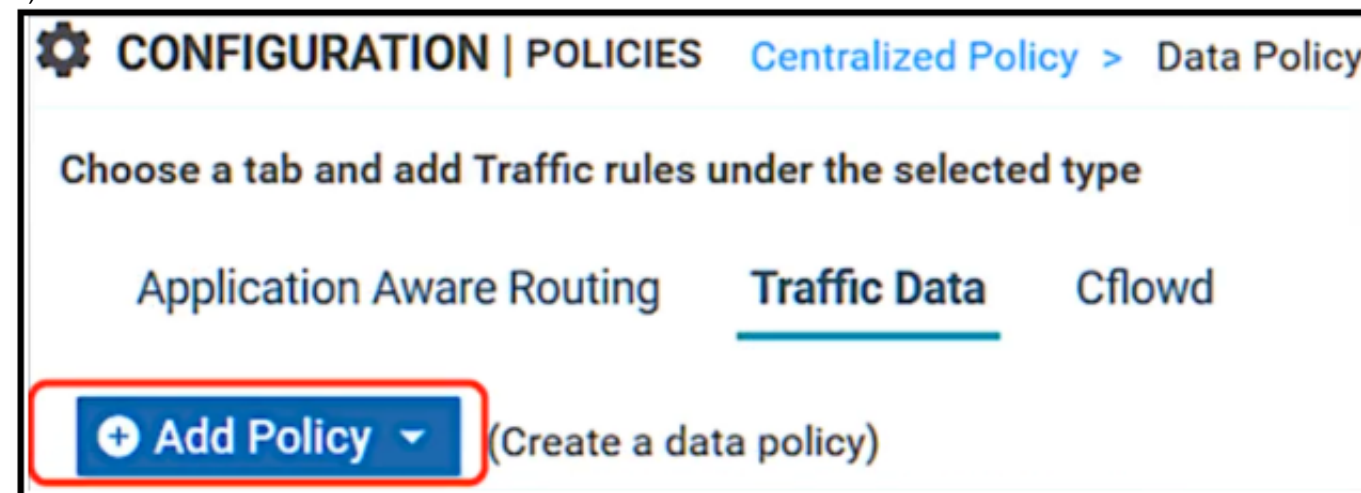A)

B)

C)

CONFIGURATION | POLICIES Localized Policy > Forwarding Class/QoS

Add and Configure a QoS Map

QoS Map   Policy Rewrite

⊕ Add QoS Map ▾   (Add and Configure QoS Map)

D)

CONFIGURATION | POLICIES Localized Policy > Access Control List Policy

⊕ Add Access Control List Policy ▾   ⊕ Add Device Access Policy ▾

E)

CONFIGURATION | POLICIES Centralized Policy > Data Policy

Choose a tab and add Traffic rules under the selected type

Application Aware Routing   **Traffic Data**   Cflowd

⊕ Add Policy ▾   (Create a data policy)

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

Answer: AC

NEW QUESTION 4
An engineer is configuring a centralized policy to influence network route advertisement. Which controller delivers this policy to the fabric?

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

Answer: A

Explanation:

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

NEW QUESTION 5
Which two platforms for the Cisco SD-WAN architecture are deployable in a hypervisor on-premises or in IAAS Cloud? (Choose two.)

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

Answer: AC

NEW QUESTION 6
Which component of the Cisco SD-WAN secure extensible network provides a single pane of glass approach to network monitoring and configuration?

A. APIC-EM
B. vSmart
C. vManage

D. vBond

Answer: C

Explanation:

Cisco vManage provides a single-pane-of-glass management to manage all controller components and both enterprise and extended enterprise WAN edge devices. The comprehensive vManage GUI has dashboard, monitor, configuration, tools, maintenance, administration, and analytics as the top-level menus.

NEW QUESTION 7
What is the role of the Session Traversal Utilities for NAT server provided by the vBond orchestrator?

A. It facilitates SD-WAN toners and controllers to discover their own mapped or translated IP addresses and port numbers
B. It prevents SD-WAN Edge routers from forming sessions with public transports among different service providers
C. It facilitates SD-WAN Edge routers to stay behind a NAT-enabled firewall while the transport addresses of the SD-WAN controller are unNAT-ed
D. It allows WAN Edge routers to form sessions among MPLS TLOCs using only public IP addresses

Answer: C

NEW QUESTION 8
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
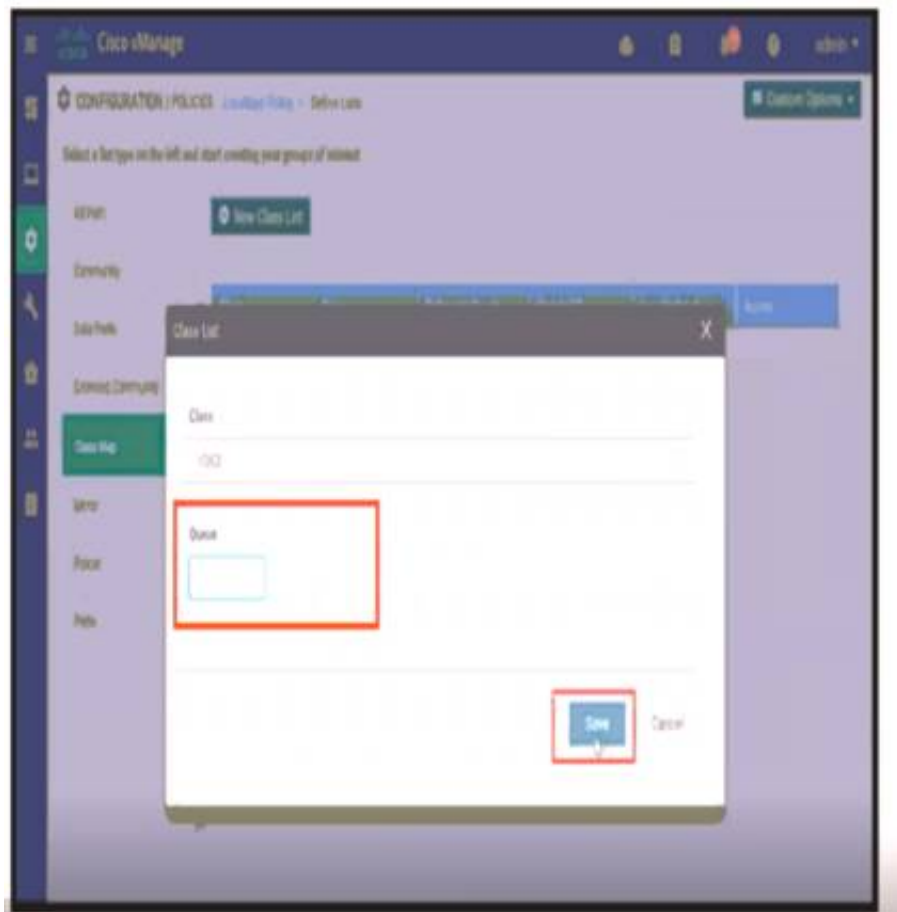   count ServicePSec1_275676046
  from-vsmart lists vpn-list 0
  vpn 0

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

Answer: C

NEW QUESTION 9
Refer to the exhibit.

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

A. 1
B. 2
C. 3

Answer: A

NEW QUESTION 10

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 10

An engineering team must prepare a traffic engineering policy where an MPLS circuit is preferred for traffic coming from the Admin VLAN Internet should be used as a backup only. Which configuration fulfill this requirement?

A)
```
policy
 data-policy _TE
  vpn-list VPN_10
   sequence 1
    match
     source-data-prefix-list Source_Prefix
     destination-data-prefix-list Dest_Prefix
    action accept
     set
      vpn 10
      tloc-list Hub_TLOCs
   default-action reject
!
tloc-list Hub_TLOCs
 tloc 10.4.4.4 color mpls encap ipsec preference 300
 tloc 10.4.4.4 color public-internet encap ipsec preference 600
```

B)
```
policy
 data-policy _TE
  vpn-list VPN_10
   sequence 1
    match
     source-data-prefix-list Source_Prefix
     destination-data-prefix-list Dest_Prefix
    action accept
     nat use-vpn 0
     nat fallback
   default-action reject
!
tloc-list Hub_TLOCs
 tloc 10.4.4.4 color mpls encap ipsec preference 300
 tloc 10.4.4.4 color public-internet encap ipsec preference 600
```

C)
```
policy
 data-policy _TE
  vpn-list VPN_10
   sequence 1
    match
     source-data-prefix-list Source_Prefix
     destination-data-prefix-list Dest_Prefix
       action accept
     set
      vpn 10
      tloc-list Hub_TLOCs
    default-action accept
 !
 tloc-list Hub_TLOCs
  tloc 10.4.4.4 color mpls encap ipsec preference 600
  tloc 10.4.4.4 color public-internet encap ipsec preference 300
```

D)
```
policy
 data-policy _TE
  vpn-list VPN_10
   sequence 1
    match
     source-data-prefix-list Source_Prefix
     destination-data-prefix-list Dest_Prefix
    action accept
     set
      vpn 512
      tloc-list Hub_TLOCs
    default-action accept
 !
 tloc-list Hub_TLOCs
  tloc 10.4.4.4 color mpls encap ipsec preference 600
  tloc 10.4.4.4 color public-internet encap ipsec preference 300
```

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

Answer: C

NEW QUESTION 15
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 16
Which hardware component is involved in the Cisco SD-WAN authentication process for ISR platforms?

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

Answer: D

NEW QUESTION 19
When software is upgraded on a vManage NMS, which two image-adding options store images in a local vManage software repository? (Choose two.)

A. To be downloaded over a SMTP connection
B. To be downloaded over a SNMP connection
C. To be downloaded over an out-of-band connection
D. To be downloaded over a control plane connection
E. To be downloaded over an ICMP connection

Answer: CD

NEW QUESTION 20
Which API call retrieves a list of all devices in the network?

A. https://vmanage_IP_address/dataservice/system/device/{{model}}
B. http://vmanage_IP_address/dataservice/system/device/{{model}}

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

Answer: A

Explanation:

Display all available vEdge routers in the overlay network.

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

NEW QUESTION 21
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 orchestrato
G. select the configure policies screen, select the localized policy ta
H. and click add policy

Answer: A

NEW QUESTION 23
What are the default username and password for vSmart Controller when it is installed on a VMware ESXi hypervisor'?

A. username Cisco password admin
B. username admin password Cisco
C. username Cisco password Cisco
D. username admin password admin

Answer: D

NEW QUESTION 28
Refer to the exhibit

PEER TYPE	PEER PROTOCOL	PEER SYSTEM IP	SITE ID	DOMAIN ID	PEER PRIVATE IP	PRIVATE PORT	PEER PUBLIC IP	PUBLIC PORT	LOCAL COLOR	STATE	LOCAL ERROR	REMOTE ERROR	REPEAT COUNT
vbond	dtls	-	0	0	209.165.200.230	12346	209.165.200.230	12346	biz-internet	tear_down	CTORGNMMIS	NOERR	14
vbond	dtls	-	0	0	209.165.201.137	12346	209.165.201.137	12346	biz-internet	tear_down	CTORGNMMIS	NOERR	13

An engineer is getting a CTORGNMMIS error on a controller connection Which action resolves this issue?

A. Configure a valid serial number on the WAN Edge
B. Configure a valid organization name
C. Configure a valid certificate on vSMART
D. Configure a valid product ID

Answer: B

NEW QUESTION 31
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 35
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 37
Which type of certificate is installed on vManage for a user to access vManage via a web browser?

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

Answer: B

NEW QUESTION 40
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/cnxn-cisco-sd-wan-and-umbrella.pdf?la=en

NEW QUESTION 45
An engineer must apply the configuration for certificate installation to vBond Orchestrator and vSmart Controller. Which configuration accomplishes this task?

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

vpn 0
  interface eth1
  ip address 199.1.1.1/28
  tunnel-interface
  allow-service sshd
  allow-service ntp

vpn 512
  interface eth1
  ip address 199.1.1.1/28
  tunnel-interface
  allow-service sshd
  allow-service netconf

vpn 0
  interface eth1
  ip address 199.1.1.1/28
  tunnel-interface
  allow-service sshd
  allow-service netconf
  no shutdown
```
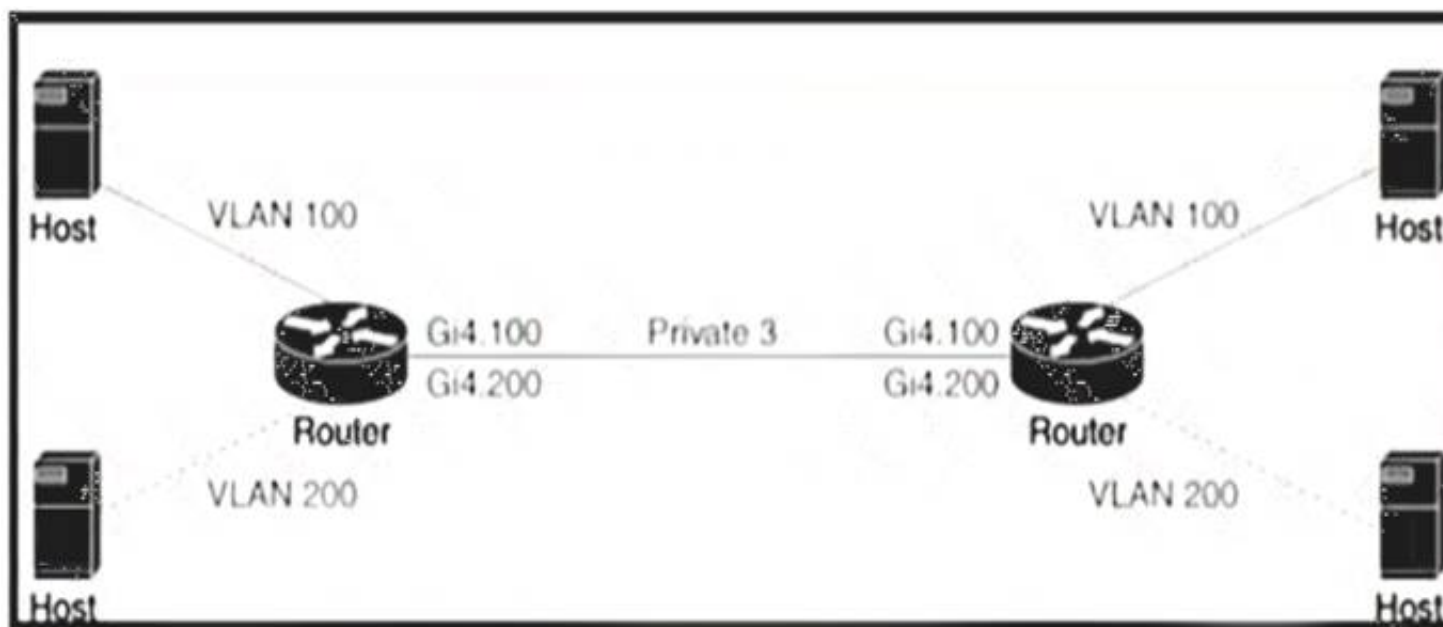
A. Option A
B. Option B
C. Option C
D. Option D

Answer: D

NEW QUESTION 49
Refer to the exhibit

An engineer is configuring a QoS policy to shape traffic for VLAN 100 on a subinterface Which policy configuration accomplishes the task?

A)
```
policy-map shape_GigabitEthernet4.100
  class class-default
    service-policy xyz_QoS-model
    shape average 100000000
!
interface GigabitEthernet4.100
  encapsulation dot1Q 200
  service-policy output shape_GigabitEthernet4.100
```

B)
```
policy-map shape_GigabitEthernet4.100
  class class Queue0
    service-policy xyz_QoS-model
    shape average 100000000
!
interface GigabitEthernet4.100
  encapsulation dot1Q 200
  service-policy output shape_GigabitEthernet4.100
```

C)
```
policy-map shape_GigabitEthernet4.200
  class class-default
    service-policy xyz_QoS-model
    shape average 100000000
!
interface GigabitEthernet4.100
  encapsulation dot1Q 100
  service-policy output shape_GigabitEthernet4.200
```

D)
```
policy-map shape_GigabitEthernet4.200
  class class Queue0
    service-policy xyz_QoS-model
    shape average 100000000
!
interface GigabitEthernet4.100
  encapsulation dot1Q 100
  service-policy output shape_GigabitEthernet4.100
```

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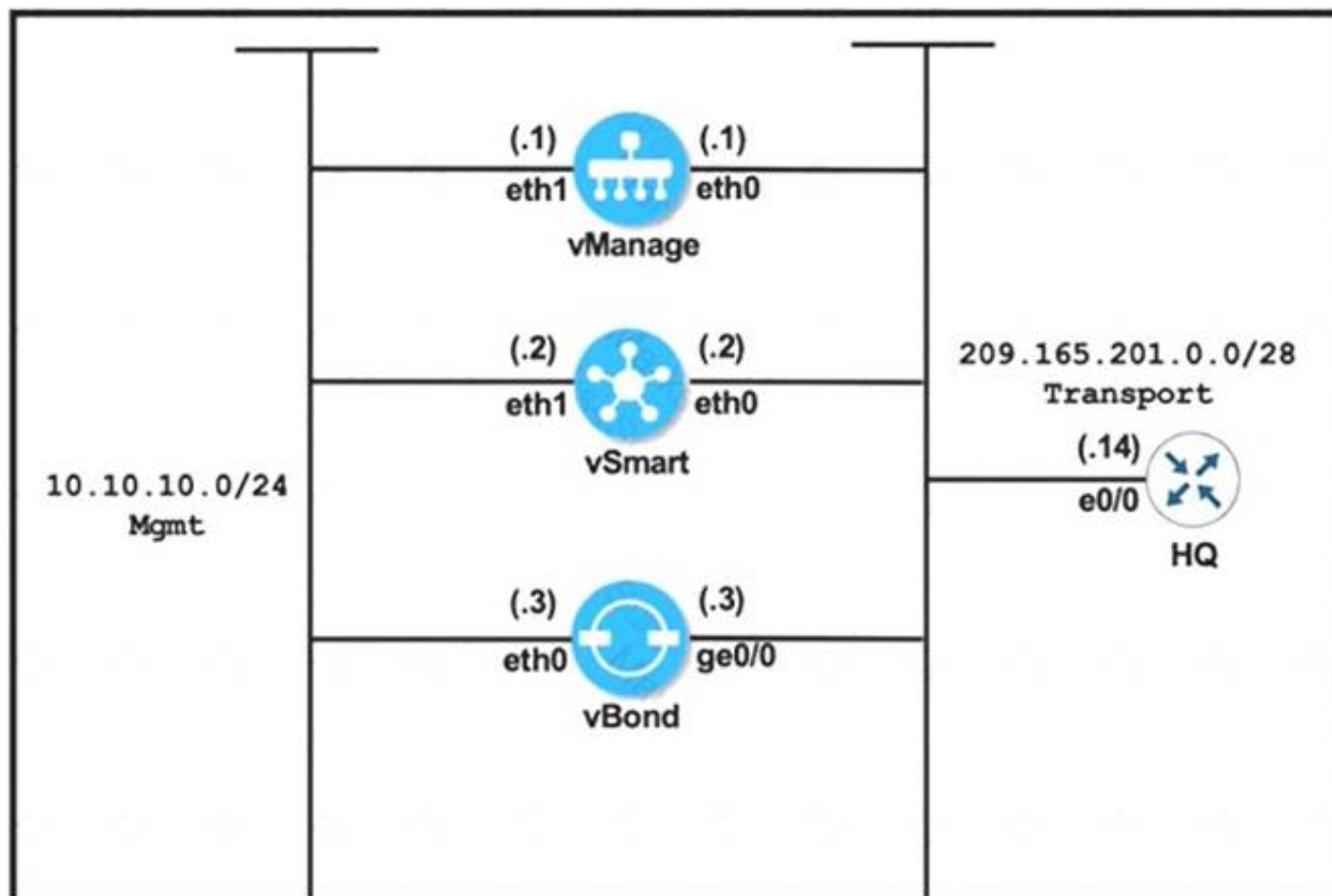C. Option C
D. Option D

Answer: C

NEW QUESTION 50
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 54
Refer to the exhibit

```
vManage                              vBond

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

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 57
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 58
Which component is used for stateful inspection of TCP, UDP. and ICMP flows in Cisco SD-WAN firewall policies?

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

Answer: A

NEW QUESTION 61
Drag and drop the devices from the left into order on the right to upgrade the software from version 19 to version 20.

WAN Edge		1
vBond		2
vManage		3
vSmart		4

A. Mastered
B. Not Mastered

Answer: A

Explanation:

WAN Edge		vManage	1
vBond		vBond	2
vManage		vSmart	3
vSmart		WAN Edge	4

NEW QUESTION 64
Refer to the exhibit

Which configuration must the engineer use to form underlay connectivity for the Cisco SD-WAN network?

A)

```
R1
vpn 512
interface eth0
ip address 10.0.0.21/24
no shutdown
!
ip route 0.0.0.0/0 10.0.0.254

R2
vpn 512
interface eth0
ip address 10.0.0.2/24
no shutdown
!
ip route 0.0.0.0/0 10.0.0.254
```

B)

```
R1
vpn 10
interface ge0/2
ip address 10.10.10.9/29
no shutdown
!
ip route 0.0.0.0/0 10.10.10.11

R2
vpn 10
interface ge0/2
ip address 10.10.10.10/29
no shutdown
!
ip route 0.0.0.0/0 10.10.10.11
```

C)

```
R1
vpn 0
interface 10ge0/0
ip address 10.50.0.2/29
no shutdown
!
ip route 0.0.0.0/0 10.50.0.3

R2
vpn 0
interface 10ge0/0
ip address 10.50.0.1/29
no shutdown
!
ip route 0.0.0.0/0 10.50.0.3
```

D)

```
R1
vpn 0
interface ge0/0
ip address 10.50.0.2/30
tunnel-interface
!
Ip route 0.0.0.0/0 10.50.0.4

R2
vpn 0
interface ge0/0
ip address 10.50.0.3/30
tunnel-interface
!
Ip route 0.0.0.0/0 10.50.0.4
```

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

Answer: C

NEW QUESTION 69
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 72
A network administrator configures SNMPv3 on a Cisco WAN Edge router from CLI for monitoring purposes How many characters are supported by the snmp user <username> command?

A. from 1 to 8
B. from 1 to 16
C. from 1 to 32
D. from 1 to 48

Answer: C

NEW QUESTION 77
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 81
An engineer is configuring a shaping rate of 1 Mbps on the WAN link of a WAN Edge router Which configuration accomplishes this task'?
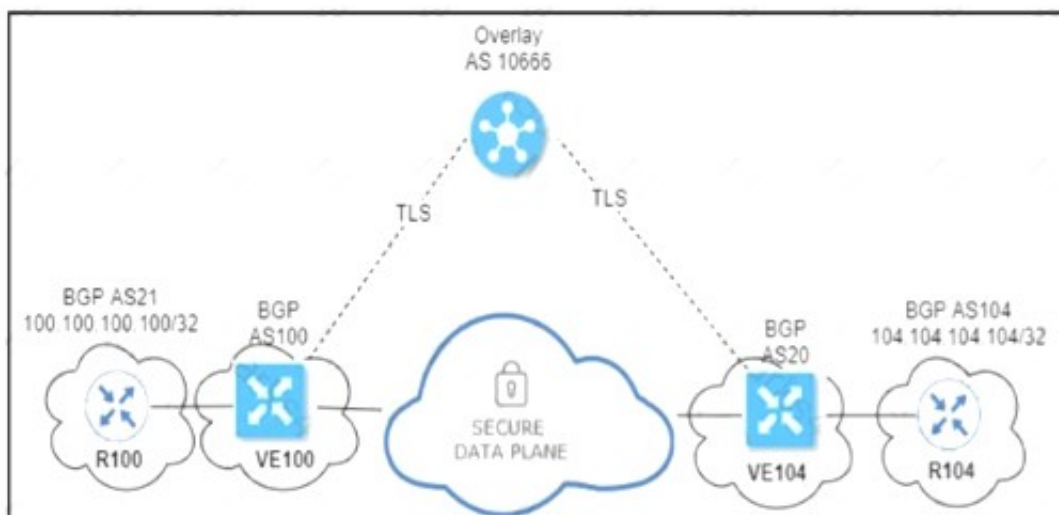
```
  ○ vpn vpn-id
      interface interface-name
        shaping-rate 1000000

  ○ vpn vpn-id
      interface interface-name
        shaping-rate 1000

  ○ interface interface-name
      vpn vpn-id
        shaping-rate 1000000

  ● interface interface-name
      vpn vpn-id
        shaping-rate 1000
```

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

Answer: B

NEW QUESTION 83
Refer to the exhibit.

An ongineer configured OMP with an ovorlay-as of 10666. What is tho AS-PATH for prefix 104.104.104.104/32 on R1007?

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

Answer: A

NEW QUESTION 86
A network engineer must configure all branches to communicate with each other through the Service Chain Firewall located at the headquarters site. Which configuration allows the engineer to accomplish this task?
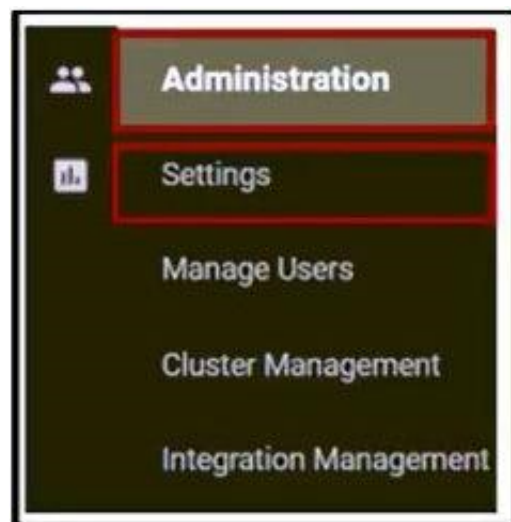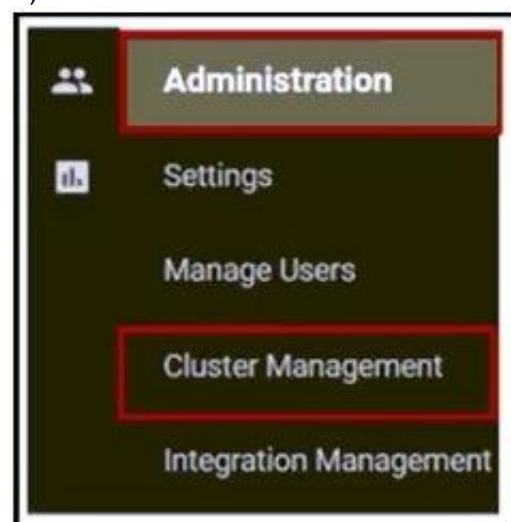A)

B)

C)

D)

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

Answer: B

NEW QUESTION 87
Which third-party Enterprise CA server must be used (or a cloud-based vSmart controller?

A. RootCert
B. Microsoft
C. RADIUS
D. VeriSign

Answer: A

NEW QUESTION 89
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 92
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 93
Which routing protocol has the highest default administrative distance?

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

D. IBGP

Answer: A

NEW QUESTION 98
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 101
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 103
An engineer modifies a data policy for DIA in VPN 67. The location has two Internet-bound circuits. Only the web browsing traffic must be admitted for DIA. without further discrimination about which transport to use.
Here is the existing data policy configuration:

```
data-policy DIA
  vpn-list VPN-67
    sequence 10
     match
      destination-data-prefix-list INTERNAL-NETWORKS
   !
  !
  default-action drop
```

Which policy configuration sequence meets the requirements?

○ sequence 5
  match
   destination-port 80 443
   destination-ip 0.0.0.0/0
  !
  action accept
   nat use-vpn 0

○ sequence 20
  match
   destination-port 80 443
   source-ip 0.0.0.0/0
  !
  action accept
  set
   local-tloc-list
    color biz-internet

○ sequence 20
  match
   destination-port 80 443
   destination-ip 0.0.0.0/0
  !
  action accept
   nat use-vpn 0

○ sequence 5
  match
   destination-port 80 443
   source-ip 0.0.0.0/0
  !
  action accept
  set
   local-tloc-list
    color biz-internet

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

Answer: A

NEW QUESTION 104
Which policy tracks path characteristics such as loss, latency, and jitter in vManage?

A. VPN
B. control
C. app-route
D. data

Answer: C

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

NEW QUESTION 109
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# vedge# request vedge-cloud activate chassis-number 19f2059b-5fd1-9027-a665-24c33d223247 token 22ee00b3a0c22d8269725d1cb495b718
```

NEW QUESTION 114
What is the default value for the number of paths advertised per prefix in the OMP feature template?

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

Answer: C

NEW QUESTION 117
Which feature delivers traffic to the Cisco Umbrella SIG cloud from a Cisco SD-WAN domain?

A. L2TPv3 tunnel
B. IPsec tunnel
C. local umbrella agent
D. source NAT

Answer: B

NEW QUESTION 119
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 122
Two sites have one WAN Edge each WAN Edge has two public TLOCs with no restriction configured. There is full reachability between the TLOCs. How many data tunnels are formed on each Edge router?

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

Answer: D

NEW QUESTION 123
Refer to the exhibit

The network team must configure application-aware routing for the Service VPN 50.0.0.0/16
The SLA must prefer MPLS for video traffic but the remaining traffic must use a public network What must be defined other than applications before the application-aware policy is create?

A. SLA Class, Site VP
B. Prefix
C. Data Prefix, Site VPN TLOC
D. Application, SLA VP
E. Prefix
F. Color, SLA Class, Sue, VPN

Answer: A

NEW QUESTION 126
Which protocol advertises WAN edge routes on the service side?

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

Answer: B

NEW QUESTION 130
What is the behaviour of vBond orchestrator?
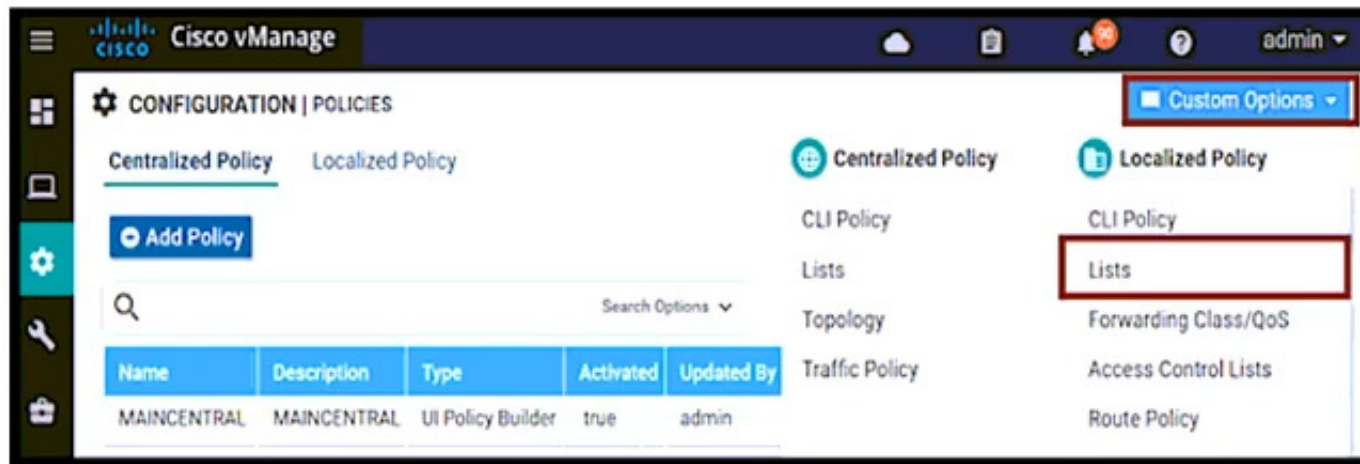
A. It maintains vSmart and WAN Edge routers secure connectivity state
B. it builds permanent connections with vSmart controllers
C. it updates vSmart of WAN Edge routers behind NAT devices using OMP.
D. It builds permanent connections with WAN Edge routers

Answer: A

NEW QUESTION 134
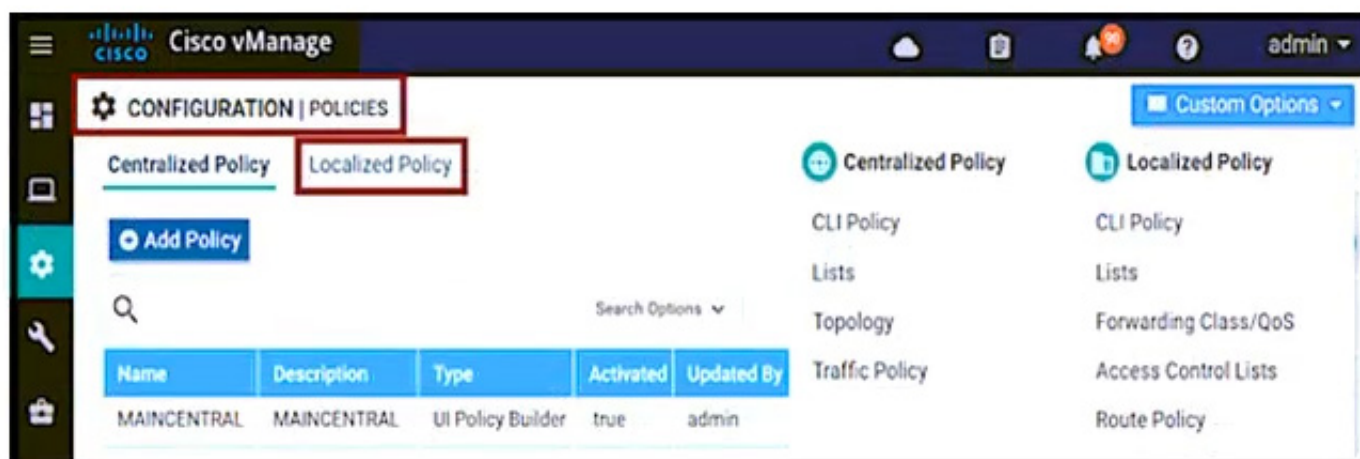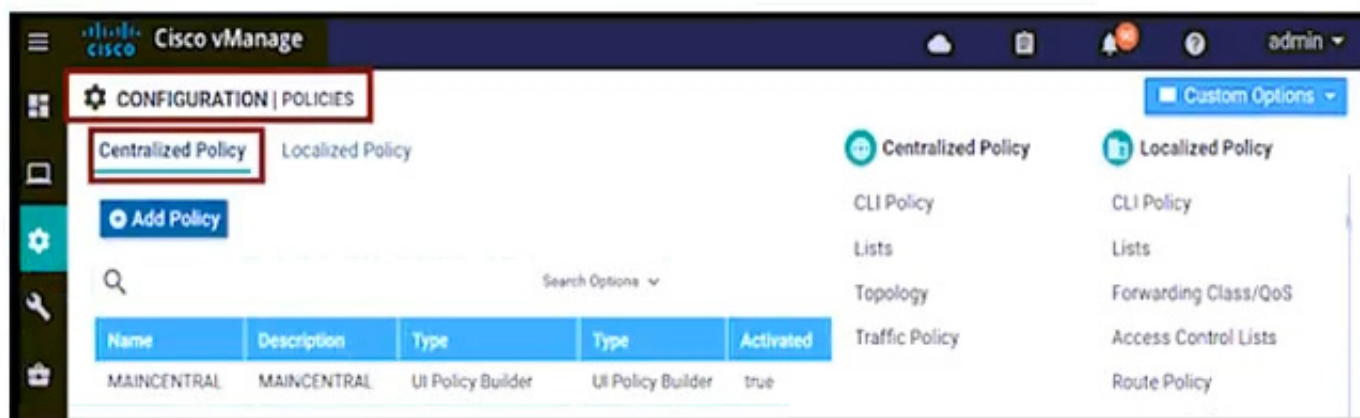Which configuration defines the groups of interest before creation of the access list or route map?
A)

B)

C)

D.

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

Answer: A

NEW QUESTION 135
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 uuid 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 uuid 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 uuid 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 uuid 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)

```
Step1: Generate the RootCA Certificate

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

Step2: Install the RootCA Certificate


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

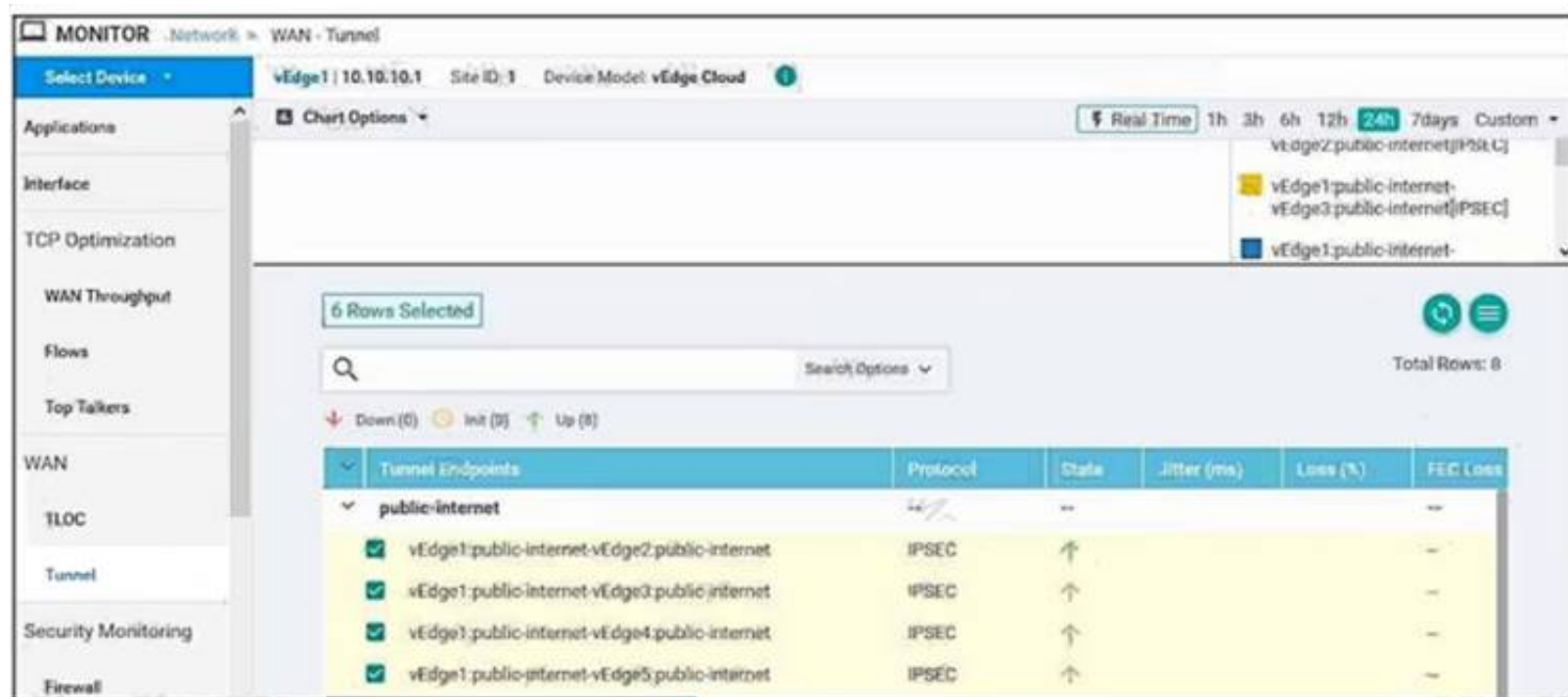A. Option A
B. Option B
C. Option C
D. Option D

Answer: C

Explanation:

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

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

NEW QUESTION 138
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 140
An engineer is configuring the branch office with a 172.16.0.0/16 subnet to use DIA for Internet traffic. All other traffic must flow to the central site or branches using the MPLS circuit Which configuration meets the requirement?
A)
```
data-policy SDW_DIA
  vpn-list VPN172
   sequence 1
    match
     source-ip     172.16.0.0/16
     destination-ip 172.16.0.0/16
    !
   sequence 2
    match
     source-data-prefix-list DIA
    action accept
    nat use-vpn 0
    !
    default-action accept
```

B)
```
data-policy SDW_DIA
  vpn-list VPN172
   sequence 1
    match
     source-ip     172.16.0.0/16
    action accept
    !
   sequence 2
    match
     source-data-prefix-list DIA
    action accept
    nat use-vpn 0
    !
    default-action accept
```

C)

```
data-policy SDW_DIA
 vpn-list VPN172
  sequence 1
   match
    source-ip     172.16.0.0/16
    destination-ip 172.16.0.0/16
   action accept
  !
  sequence 2
   match
    source-data-prefix-list DIA
   action accept
    nat use-vpn 0
   !
  default-action accept
```

D)
```
data-policy SDW_DIA
 vpn-list VPN172
  sequence 1
   match
    source-ip     172.16.0.0/16
    destination-ip 172.16.0.0/16
   !
  sequence 2
   match
    source-data-prefix-list DIA
   action accept
   !
  default-action accept
```

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

Answer: C

NEW QUESTION 145
An engineer is troubleshooting a certificate issue on vEdge. Which command is used to verify the validity of the certificates?

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

Answer: A

NEW QUESTION 150
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 modem 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 154
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 155
When redistribution is configured between OMP and BGP at two Data Center sites that have Direct Connection interlink, which step avoids learning the same routes on WAN Edge routers of the DCs from LAN?

A. Define different VRFs on both DCs
B. Set same overlay AS on both DC WAN Edge routers
C. Set down-bit on Edge routers on DC1

D. Set OMP admin distance lower than BGP admin distance

Answer: B

Explanation:

Typically, there are more than one datacenters for HA/redundancy requirements. After successful migration of the first datacenter, migrate the second datacenter in a similar method as explained in this section. Note that a routing loop can occur if there is a backdoor link between the datacenter sites and route advertisement is configured between the two datacenters. To avoid the loop, any of the three methods explained below can be used:

   1. Use the same Autonomous System Numbers (ASN) on edge routers of the two datacenters. Because of the same ASN, the AS-PATH attribute will avoid learning the same prefixes on the edge routers that are advertised by the other datacenter towards the LAN side.

   2. Use overlay-AS to insert Overlay Management Protocol (OMP) AS number when redistributing the routes from OMP into LAN side towards DC LAN. Configure all DC SD-WAN edge routers with the same overlay-as. This allows the edges to filter the routes advertised by the other DCs edge devices towards the LAN side and prevents redistributing the same routes back into OMP.

   3. Use tags or communities to mark the prefixes at one datacenter when redistributing to DC LAN and filter on the edge of the other datacenter when learning advertisements from the LAN side.

NEW QUESTION 160
What problem happens on a device with two serial numbers, a unique device identifier (UDI), and secure unique device identifier (SUDI) when an engineer provisions ISR 4000 by PnP using only a UDI?

A. It encounters spanning tree issues
B. It faces interface buffer overflow patterns
C. It encounters redirection problems.
D. It encounters memory overload problems

Answer: D

NEW QUESTION 162
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 166
Which storage format Is used when vManage Is deployed as a virtual machine on a KVM hypervisor?

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

Answer: B

NEW QUESTION 169
Refer to exhibit.

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 174
An engineer must configure local redundancy on a site. Which configuration accomplish this task?

A. vpn 0interface interface-name
B. tloc extension interlace nametloc extension interface interface name
C. vpn 0tloc extension interface
D. interface-flameinterface interface-name tloc-extension

Answer: A

NEW QUESTION 178
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 180
Refer to the exhibit.

```
policy                                          !
 lists                                          !
  !                                              default-action accept
  tloc-list dc-preference-east                  !
   tloc 100.100.100.100 color mpls             control-policy adv-dc-preference-east
encap ipsec preference 200                       sequence 10
   tloc 101.101.101.101 color mpls               match route
encap ipsec preference 400                        site-list dc-sites
  !                                               !
  site-list sites-region-west                     action accept
   site-id 1-20                                    set
  !                                                 tloc-list dc-preference-east
  site-list sites-region-east                    !
   site-id 21-40                                  !
  !                                              !
  site-list dc-sites                              default-action accept
   site-id 100-101                              !
                                                !
                                                apply-policy
 control-policy adv-dc-preference-west           site-list sites-region-west
  sequence 10                                     control-policy adv-dc-preference-west
   match route                                  out
    site-list dc-sites                           !
   !                                             site-list sites-region-east
   action accept                                  control-policy adv-dc-preference-east
    set                                         out
     tloc-list dc-preference-east                !
   !                                             !
```

A customer wants to implement primary and secondary Cisco SD-WAN overlay routing for prefixes that are advertised for both data centers. The east data center (TLOC 101.101.101.101) is primary for east sites, and the west data center (TLOC 100.100.100.100) is primary for west sites. Which configuration change achieves this objective?

A.

```
lists
 tloc-list dc-preference-west
  tloc 100.100.100.100 color mpls encap ipsec preference 400
  tloc 101.101.101.101 color mpls encap ipsec preference 200

control-policy adv-dc-preference-west
 sequence 10
  match route
   site-list dc-sites
  !
  action accept
   set
    tloc-list dc-preference-west
   !
  !
 !
 default-action accept
```

B.

```
lists
 tloc-list dc-preference-west
  tloc 100.100.100.100 color mpls encap ipsec preference 200
  tloc 101.101.101.101 color mpls encap ipsec preference 400

control-policy adv-dc-preference-west
 sequence 10
  match route
   site-list dc-sites
  !
  action accept
   set
    tloc-list dc-preference-west
   !
  !
 !
 default-action accept
```

C.

```
tloc-list dc-preference-east
 tloc 100.100.100.100 color mpls encap ipsec preference 400
 tloc 101.101.101.101 color mpls encap ipsec preference 200
```

D.

```
control-policy adv-dc-preference-west
 sequence 10
  match route
   site-list dc-sites
  !
  action accept
   set
    tloc-list dc-preference-west
   !
  !
 !
 default-action accept
```

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

Answer: A

NEW QUESTION 181
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
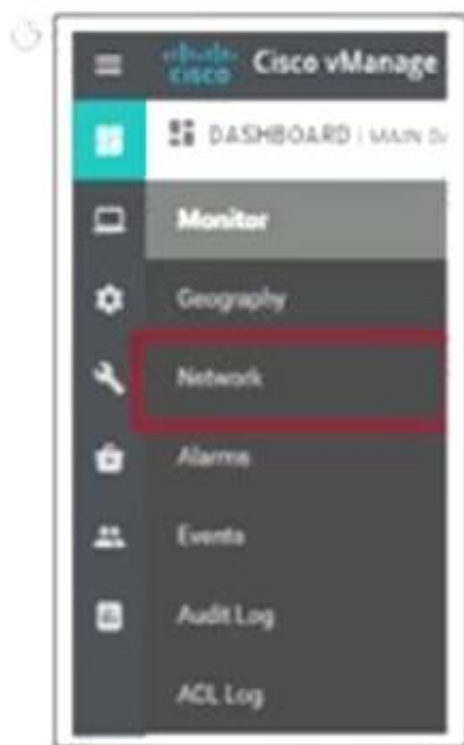D. 8 GB
E. 8vCPU
F. 16 GB
G. 2vCPUs.4GB

Answer: B

NEW QUESTION 183
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?
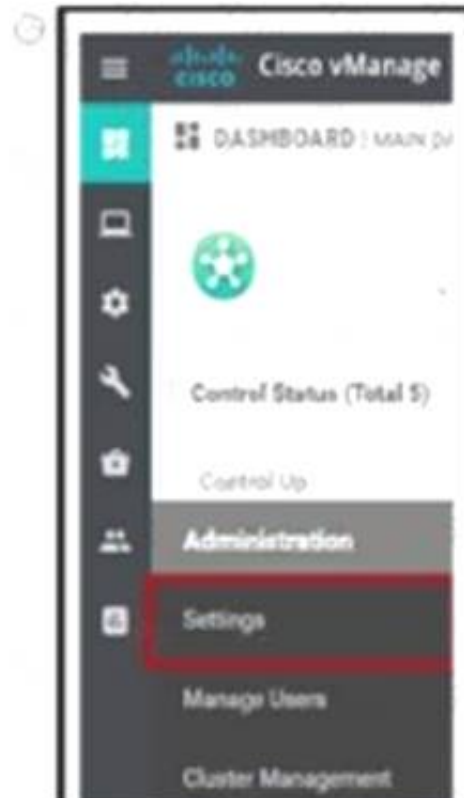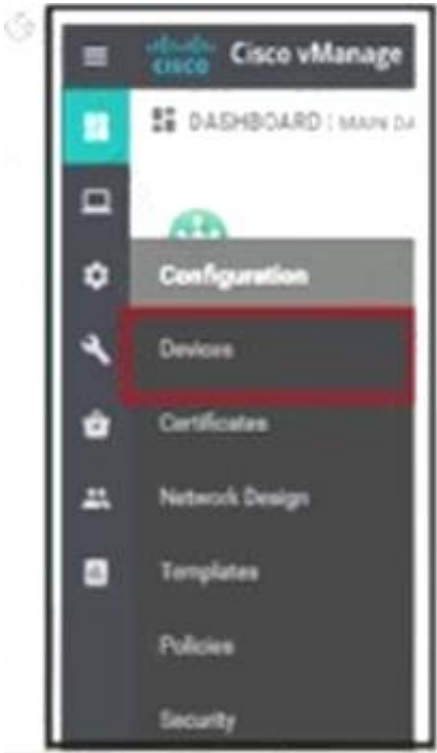A)

B)

C)

D)

A. Option A
B. Option B
C. Option C
D. Option D
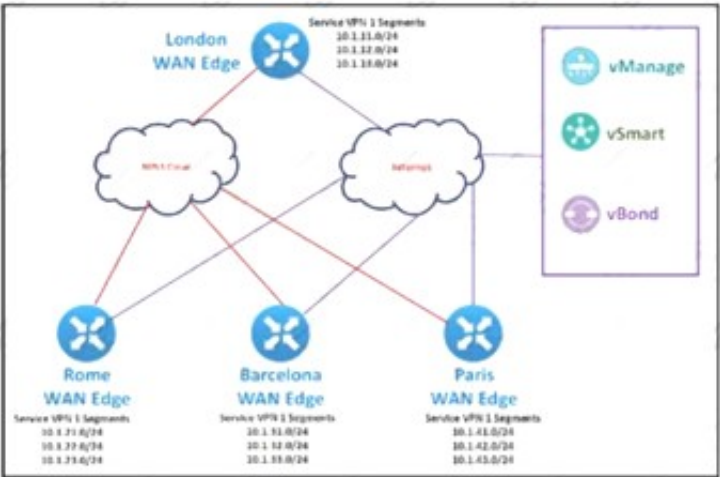
Answer: D

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

NEW QUESTION 188
Refer to the exhibit.

The SD-WAN network is configured with a default full-mesh topology. The SD-WAN engineer wants the Barcelona WAN Edge to use MPLS TLOC as the preferred TLOC when communicating with Rome site. Which configuration must the engineer use to create a list to select MPLS color toward the Rome TLOC?
A)

B)

Add Mesh Region

Name   Partial_Mesh

Description   Partial_Mesh

VPN List   ALL

Mesh Region Name   North

C)

Add Control Policy

TLOC
Create a policy to apply to TLOCs

D)

Add VPN Membership Policy

VPN Membership Name   Site_to_Site

Description   Site_to_Site VPN List

Site List   VPN Lists

Spokes   ALL ×

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

Answer: C

NEW QUESTION 191
Which plane builds and maintains the network topology and makes decisions on traffic flows?

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

Answer: C

NEW QUESTION 195
Which two actions are necessary to set the Controller Certificate Authorization mode to indicate a root certificate? (Choose two)

A. Select the Controller Certificate Authorization mode that is recommended by Cisco
B. Change the organization name of the Cisco SO-WAN fabric.
C. Upload an SSL certificate to vManape,
D. Select a private certificate signing authority instead of a public certificate signing authority
E. Select a validity period from the drop-down menu

Answer: CD

NEW QUESTION 199
An engineer is adding a tenant with location JD 306432373 in vManage. What is the maximum number of alphanumeric characters that are accepted in the tenant name field?

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

Answer: B

Explanation:

In the Add Tenant window:

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

NEW QUESTION 203
An engineer must apply the configuration for certificate installation to vBond Orchestrator and vSmart Controller. Which configuration accomplishes this task?

A.
```
vpn 0
  interface eth1
    ip address 199.1.1.1/28
  tunnel-interface
    allow-service sshd
    allow-service netconf
    no shutdown
```

B.
```
vpn 512
  interface eth1
    ip address 199.1.1.1/28
  tunnel-interface
    allow-service sshd
    allow-service netconf
```

C.
```
vpn 0
  interface eth1
    ip address 199.1.1.1/28
  tunnel-interface
    allow-service sshd
    allow-service ntp
```

D.
```
vpn 512
  interface eth1
    ip address 199.1.1.1/28
  tunnel-interface
    allow-service netconf
    no allow-service ntp
    no allow-service stun
```

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

Answer: A

NEW QUESTION 207
Refer to the exhibit.

```
vEdge1# show control connections
                                                   PEER
PEER     PEER PEER          SITE      DOMAIN PEER   PRIV   PEER
TYPE     PROT SYSTEM IP     ID        ID     PRIVATE IP  PORT   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     up
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)

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

Answer: A

NEW QUESTION 208
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 209
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 212
An engineer is configuring a data policy for packets that must be captured through the policy. Which command accomplishes this task?

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

Answer: B

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

NEW QUESTION 213
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 215
A customer has MPLS and Internet as the TLOC colors An engineer must configure conlroJIers with the Internet and not with MPLS Which configuration achieves this requirement on vManage?
A)
```
vpn 0
  interface eth1
  ip address 10.50.0.1/24
  tunnel-interface
    color mpls
```
B)
```
vpn 0
  interface eth1
  ip address 10.50.0.1/24
  tunnel-interface
    color public-internet
```
C)
```
vpn 0
  interface eth1
  ip address 10.50.0.1/24
  tunnel-interface
    color biz-internet
```
D)
```
vpn 0
  interface eth1
  ip address 10.50.0.1/24
  tunnel-interface
    color default
```

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

Answer: B

NEW QUESTION 220
What must an engineer conewef when decoying an SD-WAN on-pfemlses architecture based on ESXi hypervisor?

A. Cisco must provision the backup and snapshots platform lor ihe SD-WAN arctoecture
B. The managed service provider must provision controllars with their appropriate cerHwcatsi
C. The IT team a required to provision the SO-WAN controllers and Is responsAte lor backups and disaster recovery implementation
D. The IT team will be given access by Cisco to a vManage for configuration If templates and policies coeigmalim

Answer: C

NEW QUESTION 225
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 228
Which two algorithms authenticate a user when configuring SNMPv3 monitoring on a WAN Edge router? (Choose two.)

A. AES-256
B. SHA-1
C. AES-128
D. MD5
E. SHA-2

Answer: AB

Explanation:

Configure SNMPv3

Table 7. Feature History

Feature Name	Release Information	Description
Support for SNMPv3 AES-256 bit Authentication Protocol	Cisco SD-WAN Release 20.5.1	Support introduced for AES-256 bit Authentication Protocol called SHA-256.

To configure SNMPv3, in SNMP Version, click **V3**. For SNMPv3, you can configure groups, users, and trap information. Configure groups and trap information as described above.

To configure SNMPv3 users, in the User section, click **Add New User** and enter the following parameters:

Table 8.

Parameter Name	Description
User	Enter a name of the SNMP user. It can be 1 to 32 alphanumeric characters.
Authentication Protocol	Select the authentication mechanism for the user: • SHA-1 message digest. SHA-256 message digest. Note Starting from Cisco SD-WAN Release 20.5.1, SHA-256 authentication protocol was introduced. When you choose SHA-256 as the authentication protocol, you must set the security level as authPriv. Note MD5 authentication protocol is deprecated for Cisco SD-WAN Release 20.3.2 and later releases.

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

NEW QUESTION 232
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 235
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 238
How should the IP addresses be assigned for all members of a Cisco vManage cluster located in the same data center?

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

Answer: A

NEW QUESTION 241
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 245
A customer has 1 to 100 service VPNs and wants to restrict outbound updates for VPN1 Which control policy configuration restricts these updates?
A)

```
policy
lists
  vpn-list VPN2-100
    vpn 2-100
  !
!
control-policy restrict_2-100
  sequence 10
    match route
      vpn-list  VPN2-100
    !
    action reject
  !
default-action accept
```

B)

```
policy
 lists
  vpn-list VPN2-100
   vpn 2-100
  !
 !
control-policy restrict_2-100
 sequence 10
  match route
   vpn-list  VPN2-100
  !
  action reject
 !
 default-action accept
```

C)

```
policy
 lists
  vpn-list VPN1
   vpn 1
  !
 !
control-policy restrict_1
 sequence 10
  match route
   vpn-list  VPN1
  !
  action reject
 !
 default-action accept
```

D)

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

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

Answer: C

NEW QUESTION 250
Which encryption algorithm is used for encrypting SD-WAN data plane traffic?

A. Triple DES
B. IPsec
C. AES-128
D. AES-256 GCM

Answer: D

NEW QUESTION 252
A network administrator is configuring Qos on a vEdge 5000 router and needs to enable it on the transport side interface. Which policy setting must be selected to accomplish this goal?

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

Answer: B

Explanation:

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

NEW QUESTION 257
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 262
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 266
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 271
What is the main purpose of using TLOC extensions in WAN Edge router configuration?

A. creates hardware-level transport redundancy at the local site
B. creates an IPsec tunnel from WAN Edge to vBond Orchestrator
C. transports control traffic to a redundant vSmart Controller
D. transports control traffic w remote-site WAN Edge routers

Answer: D

NEW QUESTION 273
Refer to the exhibit

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

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

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

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

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

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

Answer: D

NEW QUESTION 275
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 279
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 281
An enterprise needs DIA on some of its branches with a common location ID: A041:B70C: D78E::18 Which WAN Edge configuration meets the requirement?
A)
```
vpn 1
 interface ge0/1
  ip address 172.16.0.1/24
 vpn 512
  ip route 0.0.0.0/0 vpn 0
```
B)
```
vpn 1
 ip route 0.0.0.0/0 vpn 1
 interface ge0/0
  ip address 172.16.0.1/24
  nat
```
C)
```
vpn 0
 interface ge0/0
  ip address 172.16.0.1/24
  nat
vpn 1
 ip route 0.0.0.0/0 vpn 0
```
D)
```
vpn 0
 ip route 0.0.0.0/0 vpn 0
vpn 1
 interface ge0/1
  ip address 172.16.0.1/24
  nat
```

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

Answer: C

NEW QUESTION 284
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 288
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 293
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.

Apply data policy	Step 1
Enable NAT functionality	Step 2
Create centralized data policy	Step 3
Identify VPN and match criteria	Step 4

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 294
An engineer wants to track tunnel characteristics within an SLA-based policy for convergence. Which policy configuration will achieve this goal?

A. App-route policy
B. VPN membership policy
C. Control policy
D. Data policy

Answer: A

Explanation:

An application-aware routing policy matches applications with an SLA, that is, with the data plane tunnel performance characteristics that are necessary to transmit the applications' data traffic. The primary purpose of application-aware routing policy is to optimize the path for data traffic being transmitted by Cisco SD-WAN devices.

NEW QUESTION 295
Which queue must an engineer configure for control and BFD traffic for convergence on a WAN Edge router?

A. queue 0
B. queue 1
C. queue 2
D. queue 7

Answer: C

NEW QUESTION 299
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 301
Drag and drop the components from the left onto the corresponding Cisco NFV infrastructure Building Blocks on the right. Not all options are used.

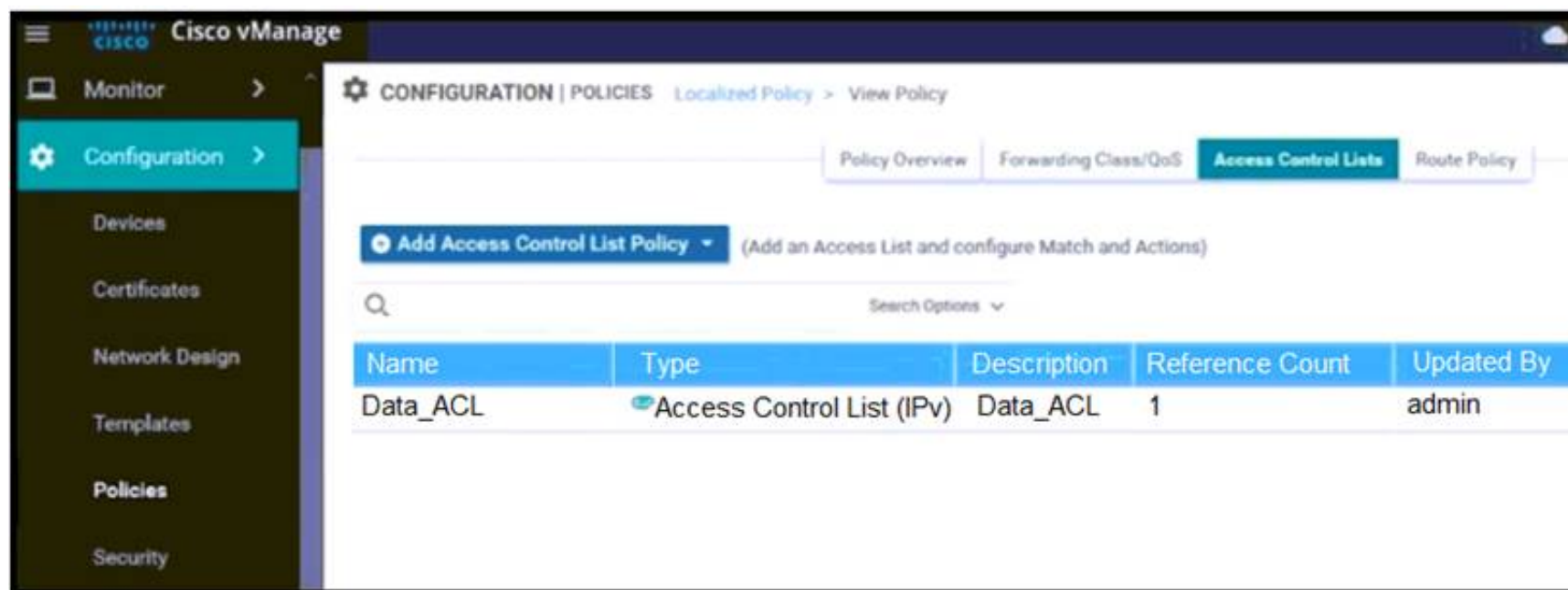A. Mastered
B. Not Mastered

Answer: A

Explanation:

Cisco NFV Infrastructure Building Blocks

- **Compute**: Cisco Unified Computing System™ (Cisco UCS®) for a carrier class and reliable compute infrastructure.

- **Storage:** Cisco UCS hardware and CEPH provide reliable storage. The user has the options to introduce additional storage as capacity needs grow.

- **Networking**: Cisco Nexus® 9000 series hardware provides high throughput, low latency, and rich feature sets.

- **Virtualized Infrastructure:** Fully integrated Red Hat Enterprise Linux and Red Hat OpenStack Platform runs on top of Cisco Unified Computing System™ (Cisco UCS®). It is open source yet hardened and mature.

- **Management:** Cisco UCS Director functions as a unified management tool across multiple virtual environments. SDN controller is optional.

NEW QUESTION 304
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 306
Drag and drop the REST API calls from the left onto the functions on the right.

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 308
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 311
How many concurrent sessions does a vManage REST API have before it invalidates the least recently used session if the maximum concurrent session number is reached?

A. 150
B. 200
C. 250
D. 300

Answer: A

NEW QUESTION 316
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
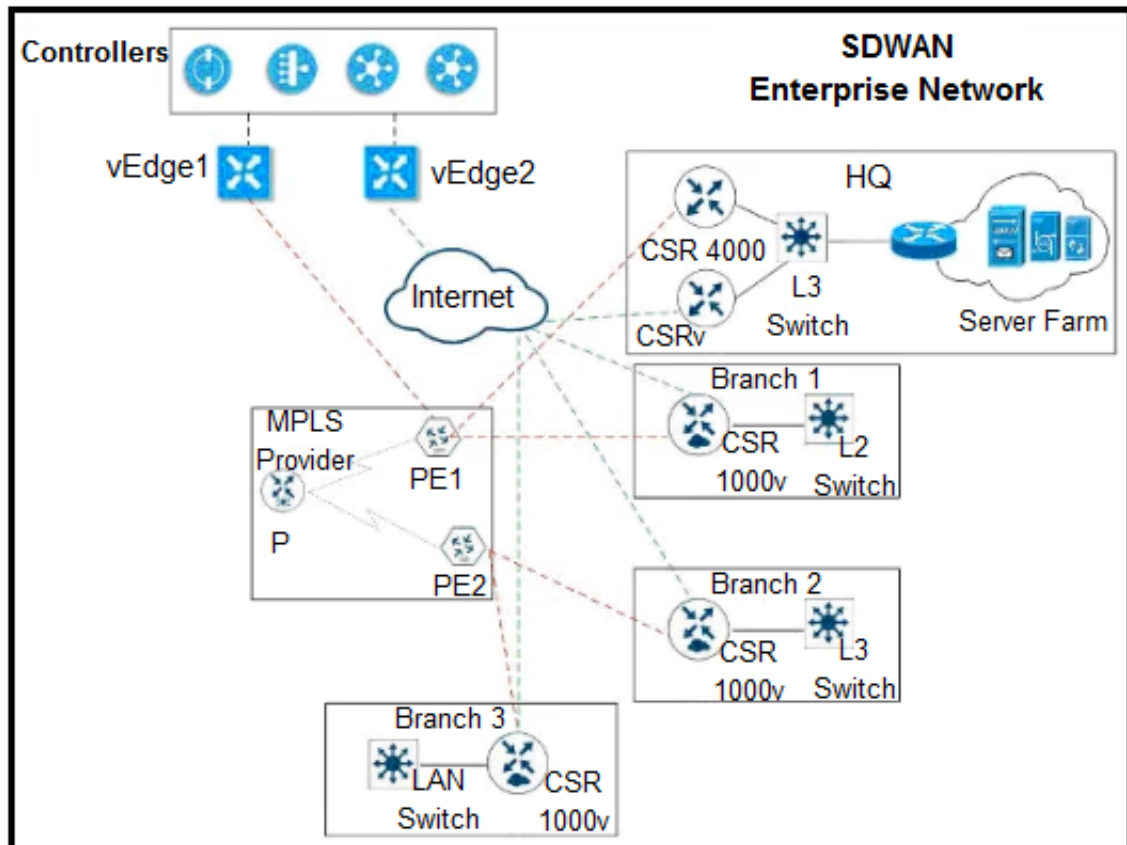

NEW QUESTION 317
Which command verifies a policy that has been pushed to the vEdge router?

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 319
Refer to the exhibit

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

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

omp
  no shutdown
  graceful-restart
```

Which configuration on the WAN Edge meets the requirement?

Which configuration on the WAN Edge meets the requiremnet
A)

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

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

    vpn 512
    interface eth0
      shutdown
```

B)

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

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

   interface ge0/1
     ip address 10.0.0.1/28

   vpn 512
   interface eth0
     shutdown
```

C)

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

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

   interface ge0/1
     ip address 10.0.0.1/28

   vpn 512
   interface eth0
     shutdown
```

D)

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

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

   vpn 512
   interface eth0
     shutdown
```

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

Answer: C

NEW QUESTION 321
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 325
Refer to the exhibit.

```
#Branch1-Edge1                    #Branch1-Edge2

vpn 0                             vpn 0
!                                 ...
interface ge0/1                   interface ge0/2
 ip address                        no shutdown
172.17.113.241/28                 !
 tunnel-interface                 interface ge0/2.704
  encapsulation ipsec              ip address 10.113.4.1/30
  color mpls restrict              tunnel-interface
 !                                  encapsulation ipsec
 no shutdown                        color mpls restrict
!                                   mtu     1496
interface ge0/2.704                 no shutdown
 ip address 10.113.4.2/30          !
 tloc-extension ge0/2             ip route 0.0.0.0/0 10.113.4.2
```

Which configuration change is needed to configure the tloc-extention on Branch1-Edge1?

A. interface ge0/2.704
        ip address 10.113.4.1/30
        tunnel-interface
         encapsulation ipsec
         color mpls restrict
         no shutdown

B. interface ge0/2.704
        ip address 10.113.4.2/30
        mtu 1496
        tloc-extension ge0/1

C. interface ge0/2.704
        ip address 10.113.4.2/30
        mtu 1496
        tloc-extension ge0/2

D. interface ge0/2.704
        ip address 10.113.4.1/30
        tunnel-interface
         encapsulation ipsec
         color mpls restrict
         mtu 1496
         tloc-extension ge0/2
         no shutdown

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

Answer: B

NEW QUESTION 327
Which VPN must be present on at least one interface to install Cisco vManage and integrate it with WAN Edge devices in an overlay network site ID:S4307T7E78F29?

A. VPN 512
B. any VPN number selected
C. services VPN range 0-511
D. VPN0

Answer: D

NEW QUESTION 330
Refer to the exhibit,

```
Site 1:
vpn 10
      service FW address 1.1.1.1

On vSmart
policy
 lists
   site-list firewall-sites
   site-id 1

apply-policy
site-list firewall-sites control-policy firewall-service out
```

Which configuration routes Site 2 through the firewall in Site 1?

```
○ control-policy firewall-service
    sequence 10
    match route
     site-id 2
     action accept
     set service local
    default-action accept

○ On vSmart
  control-policy firewall-service
    sequence 10
    match route
     site-id 2
     action accept
     set
       service FW vpn 10
    default-action accept

○ On vSmart
  control-policy firewall-service
    sequence 10
    match route
     site-id 2
     action accept
     set
       service FW vpn 10
       service local
    default-action accept

○ On vSmart
  control-policy firewall-service
    sequence 10
    match route
     site-id 2
     action accept
     set service FW vpn 10
    default-action accept
```

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

Answer: D

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

Here is the configuration procedure:

1. On the hub router, provision the firewall service, specifying the IP address of the firewall device. With this configuration, OMP on the hub router advertises one service route to the Cisco vSmart Controller. The service route contains a number of properties that identify the location of the firewall, including the TLOC of the hub router and a service label of svc-id-1, which identifies the service type as a firewall. (As mentioned above, before advertising the route, the device ensures that the firewall's IP address can be resolved locally.)

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

2. On the Cisco vSmart Controller, configure a control policy that redirects data traffic traveling from Site 1 to Site 2 through the firewall. Then, also on the Cisco vSmart Controller, apply this policy to Site 1.

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

NEW QUESTION 335
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 338
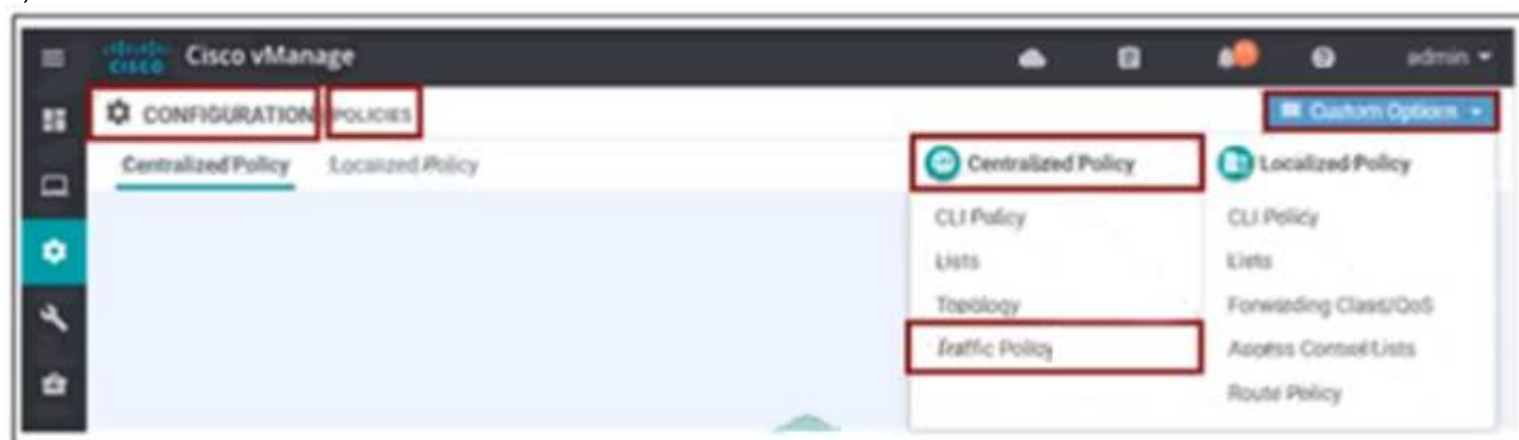How are custom application ports monitored in Cisco SD-WAN controllers?

A. Customers add custom application ports in vAnalytics and vManage.
B. Customers add custom application ports in vAnalytics and vSmart.
C. Cisco adds custom application ports In vAnalytics and vManage.
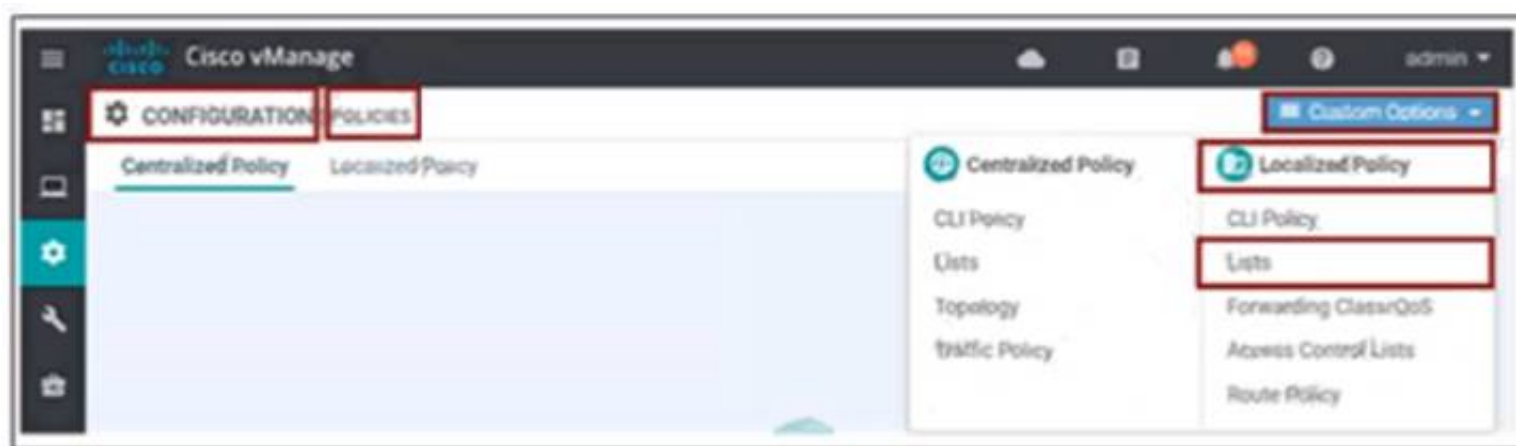D. Cisco adds custom application ports In vAnalytics and vSmart.

Answer: A

NEW QUESTION 339
An engineer must create a QoS policy by creating a class map and assigning it to the LLQ queue on a WAN Edge router Which configuration accomplishes the task?
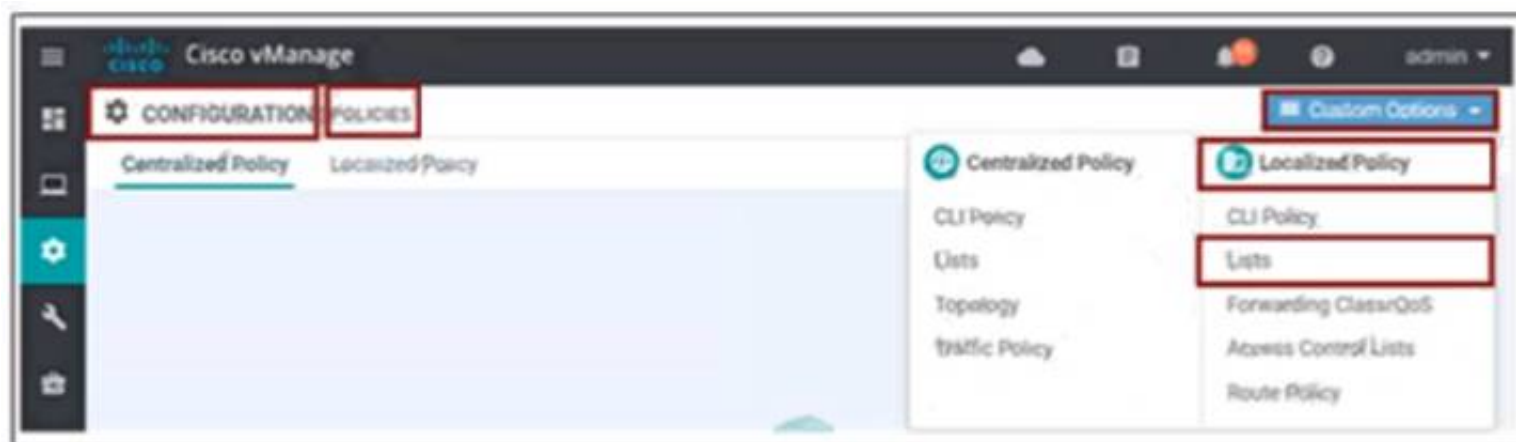A)

B)

C)

D)

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

Answer: D

NEW QUESTION 344
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 346
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 348
How is the software managed in Cisco SD-WAN?

A. Software images must be uploaded to vManage through HTTP or FTP
B. Software downgrades are unsupported for vManage
C. Software images must be transferred through VPN 512 or VPN 0 of vManage
D. Software upgrade operation in the group must include vManag
E. vBond, and vSmart.

Answer: A

NEW QUESTION 350
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 351
Which VManage dashboard is used to monitor the next-hop reachability between two devices traversing through OMP for a service VPN'

A. Troubleshooting > App Route Visualization
B. Troubleshooting > Tunnel Health
C. Troubleshooting > Simulate Flows
D. Troubleshooting > Packet Capture

Answer: C

NEW QUESTION 354
An engineer is configuring a list that matches all IP prefixes with lengths from /1 to /16 in a centralized control policy. Which list accomplishes this task?

A. 0.0.0.0/1 le 16
B. 0.0.0.0/0 ge 1
C. 0.0.0.0/0 le l6
D. 0.0.0.0/16 ge 1

Answer: A

NEW QUESTION 355
In the Cisco SD_WAN solution, vSmart controller is responsible for which two actions? (Choose two.)

A. Distribute crypto key information among vEdge routers
B. Configure and monitor vEdge routers.
C. Authenticate and authorize vEdge routers.
D. Distribute the IP address from DHCP server to vEdge routers.
E. Distribute route and policy information via OMP.

Answer: AE

Explanation:

vSmart controller - This software-based component is responsible for the centralized control plane of the SD-WAN network. It maintains a secure connection to each WAN Edge router and distributes routes and policy information via the Overlay Management Protocol (OMP), acting as a route reflector. It also orchestrates the secure data plane connectivity between the WAN Edge routers by reflecting crypto key information originating from WAN Edge routers, allowing for a very scalable, IKE-less architecture.

NEW QUESTION 358
An engineer builds a three-node vManage cluster and then realizes that multiple nodes are unnecessary for the size of the company. How should the engineer revert the setup to a single vManage?

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

Answer: B

NEW QUESTION 360
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 365
Which two products that perform lifecycle management for virtual instances are supported by WAN Edge cloud routers? (Choose two.)

A. OpenStack
B. AWS
C. VMware vCenter
D. Azure
E. IBM Cloud

Answer: AC

Explanation:
https://www.cisco.com/c/en/us/solutions/collateral/enterprise-networks/sd-wan/nb-07-cloud-router-data-sheet-ct

The following figure illustrates Cisco vEdge Cloud router solution elements.

NEW QUESTION 370
Which destination UDP port is used by WAN Edge router to make a DTLS connection with vBond
Orchestrator?

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

Answer: C

NEW QUESTION 374
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 379
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 383
Which type of certificate is installed on vManage for a user to access vManage via a web browser?

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

Answer: D

NEW QUESTION 388
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 392
Which two criteria ate 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 393

An engineer creates this data policy for DIA for VPN 10:

```
data-policy DIA
  vpn-list VPN-10
    sequence 10
      match
      destination-data-prefix-list INTERNAL-NETWORKS
      !
      action accept
```

Which policy sequence enables DIA for external networks?

```
○ sequence 5
    match
    source-ip 0.0.0.0/0
    !
    action accept
    nat use-vpn 0
```

```
○ sequence 5
     match
      destination-ip 0.0.0.0/0
      !
     action reject
     !
     !
    default-action accept
```

```
○ sequence 20
    match
    destination-ip 0.0.0.0/0
    !
    action accept
    nat use-vpn 0
```

```
○ sequence 20
    match
     source-ip 0.0.0.0/0
     !
    action reject
      !
      !
    default-action accept
```

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

Answer: C

NEW QUESTION 397
Drag and drop the steps from the left into the sequence on the right for a WAN Edge router after powering on for zero touch provisioning.

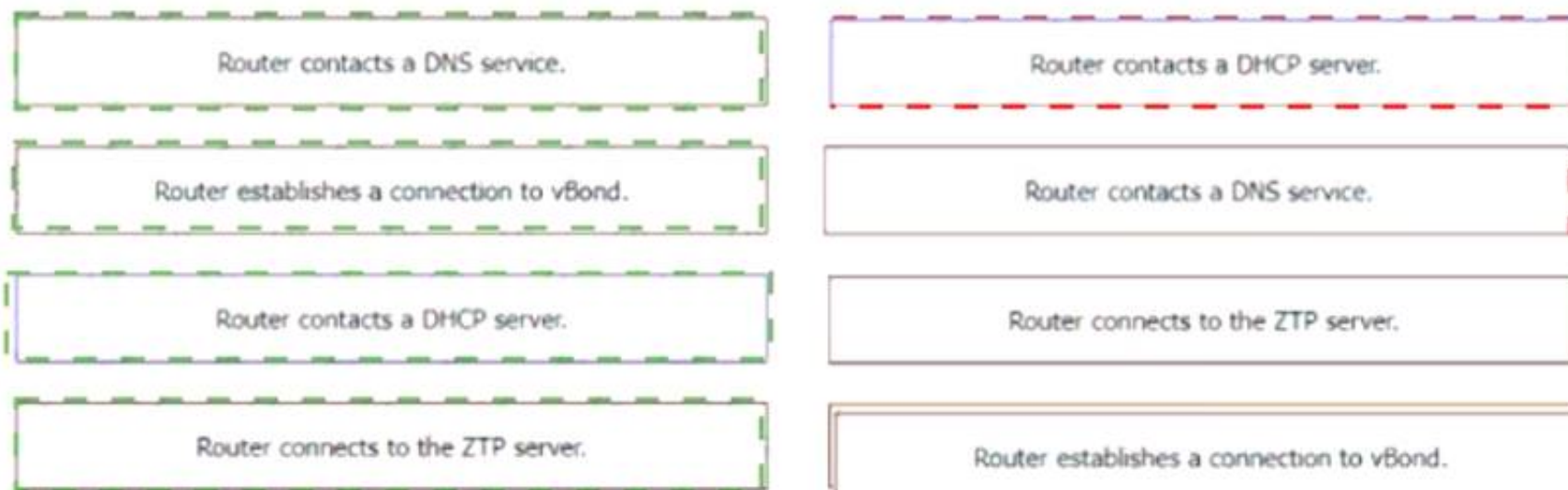|	
Router contacts a DNS service.	1
Router establishes a connection to vBond.	2
Router contacts a DHCP server.	3
Router connects to the ZTP server.	4

A. Mastered
B. Not Mastered

Answer: A

Explanation:

Router contacts a DNS service.	Router contacts a DHCP server.
Router establishes a connection to vBond.	Router contacts a DNS service.
Router contacts a DHCP server.	Router connects to the ZTP server.
Router connects to the ZTP server.	Router establishes a connection to vBond.

NEW QUESTION 398
What is a description of vManage NMS?

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

Answer: B

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

NEW QUESTION 399
How is a TLOC uniquely identified from a WAN Edge router to the SD-WAN transport network?

A. system IP address
B. VPN ID
C. OMP
D. SD-WAN site ID

Answer: A

NEW QUESTION 402
A network administrator is tasked to make sure that an OMP peer session is closed after missing three consecutive keepalive messages in 3 minutes. Additionally, route updates must be sent every minute. If a WAN Edge router becomes unavailable, the peer must use last known information to forward packets for 12 hours. Which set of configuration commands accomplishes this task?

```
 omp
    timers
       advertisement-interval 60
       holdtime 180
       graceful-restart-timer 43200

 omp
    timers
       advertisement-interval 1
       holdtime 180
       graceful-restart-timer 43200

 omp
    timers
       advertisement-interval 1
       holdtime 180
       graceful-restart-timer 720

 omp
    timers
       advertisement-interval 60
       holdtime 60
       graceful-restart-timer 720
```

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

Answer: A

Explanation:
https://sdwan-docs.cisco.com/Product_Documentation/vManage_Help/Release_17.2/Configuration/Templates/O

NEW QUESTION 405
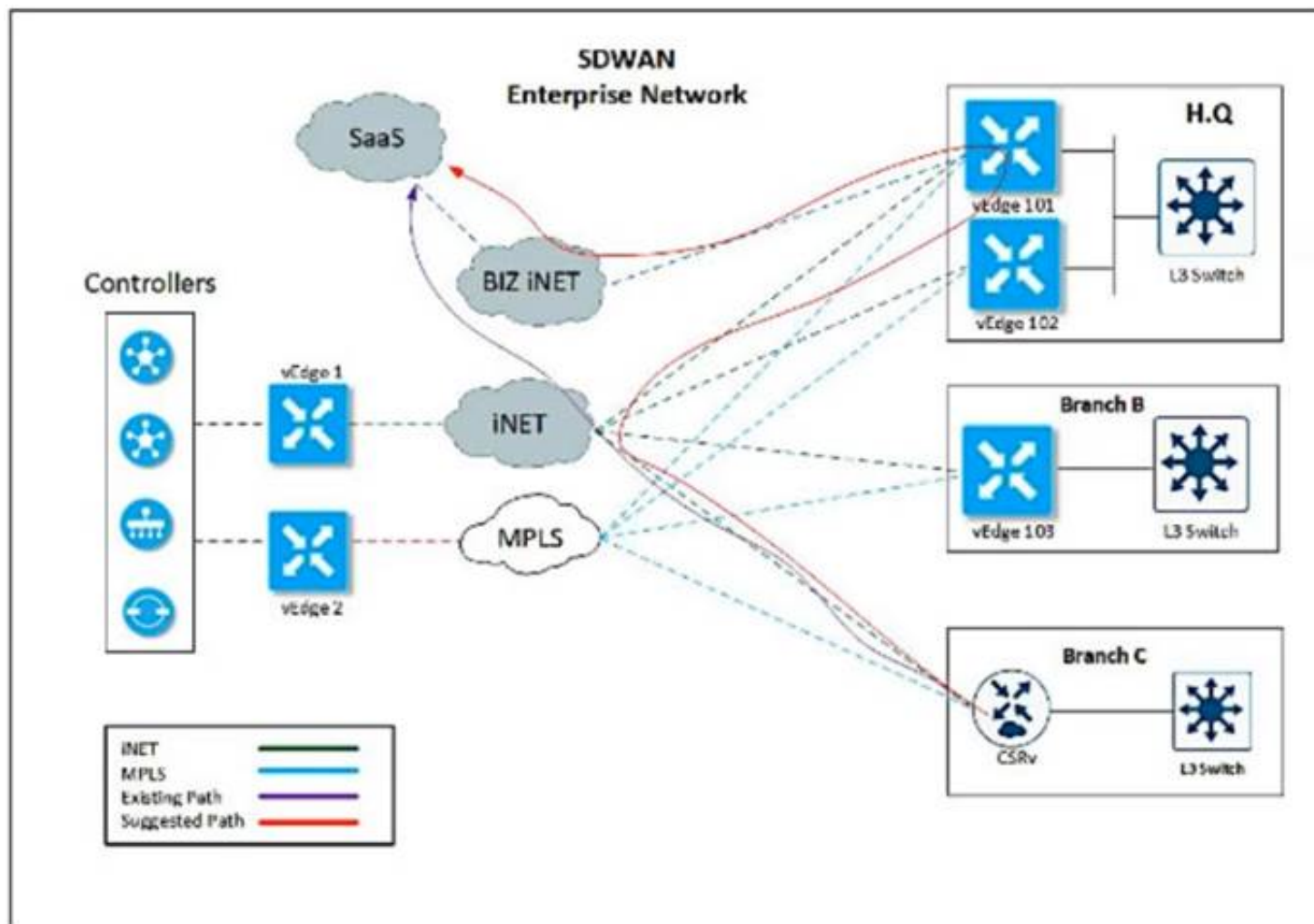
In a customer retail network with multiple data centers, what does the network administrator use to create a regional hub topology?

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 408

Refer to the exhibit.

An enterprise decides to use the Cisco SD-WAN Cloud onRamp for SaaS feature and utilize H.Q site Biz iNET to reach SaaS Cloud for branch C. currently reaching SaaS Cloud directly. Which role must be assigned to devices at both sites in vManage Cloud Express for this solution to work?

A. H.Q to be added as Gateway and Branch as DIA.
B. Branch to be added as Client Sites and H.Q as DIA.
C. Branch to be added as DIA and H.Q as Client Site.
D. H.Q to be added as Gateway and Branch as Client Site.

Answer: B

NEW QUESTION 411

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

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

Answer: A

NEW QUESTION 414

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 417

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

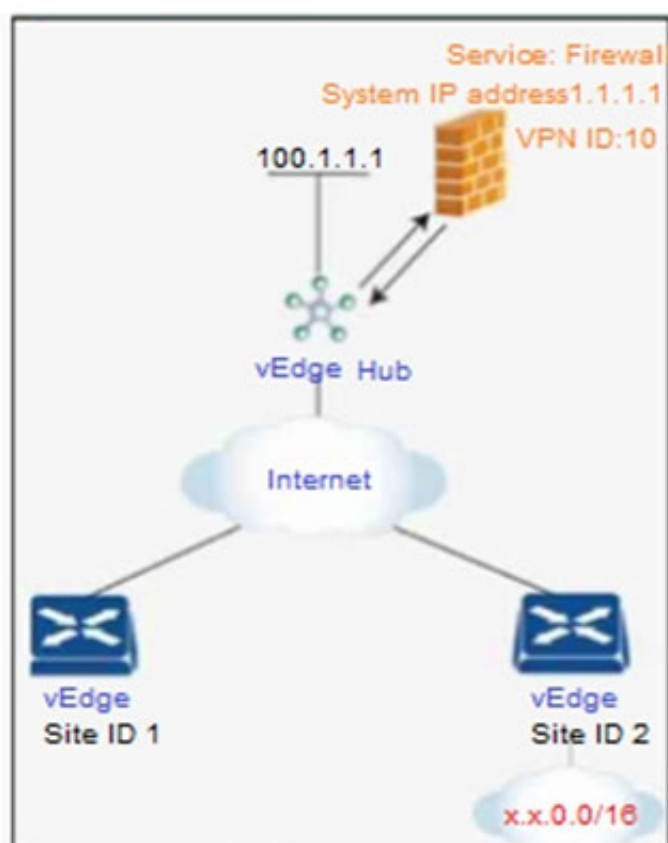|	
vBond Orchestrator	IPsec key reflection and rekeying
vManage	first point of authentication
vSmart Controller	passes data plane traffic
WAN Edge Router	used to build configuration and policies

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 418

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 421
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 422
Which two mechanisms are used by vManage to ensure that the certificate serial number of the WAN Edge router that is needed to authenticate is listed in the WAN Edge Authorized Señal Number Hst' (Choose two)

A. Synchronize to the PnP
B. Manually upload it to vManage
C. The devices register to vManage directly as the devices come online
D. The vManage is shipped with the list
E. Synchronize to the Smart Account

Answer: BE

NEW QUESTION 424
Refer to exhibit. An engineer is troubleshooting tear of control connection even though a valid CertificateSerialNumber is entered. Which two actions resolve Issue? (Choose two)

```
PEER     PEER     PEER             SITE        DOMAIN
PEER            PRIVATE PEER              PUBLIC                        LOCAL   REMOTE      REPEAT
INSTANCE TYPE       PROTOCOL SYSTEM IP   ID      ID    PRIVATE IP     PORT    PUBLIC IP    PORT REMOTE
COLOR  STATE           ERROR        ERROR   COUNT DOWNTIME

--------------------------------------------------------------------------------------------------

0       vbond    dtls    0.0.0.0          0       0    192.168.0.231  12346   192.168.0.231  12346 default
tear_down   CRTREJSER NOERR      9     2019-06-01T19:06:32+0200
```

A. Restore network reachability on the controller.

B. Enter a valid serial cumber on the controller for a given device
C. Enter a valid product ID (mode) on the PNP portal.
D. Match the serial number file between the controller
E. Remove the duplicate IP in the network

Answer: BC

NEW QUESTION 425
Drag and drop the policies from the left onto the correct policy types on the right.

strict hub-and-spoke topology		Control Policy
perform shaping on traffic		
service firewall insertion		
prefer voice and video via MPLS link		Data Policy

A. Mastered
B. Not Mastered

Answer: A

Explanation:

Control Policy
- strict hub-and-spoke topology
- prefer voice and video via MPLS link

Data Policy
- perform shaping on traffic
- service firewall insertion

NEW QUESTION 429
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 433
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 436
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 438
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 442
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 10 vSmart Controller via a DTLSTLS tunnel

Answer: C

NEW QUESTION 447
Refer to the exhibit

PEER PRIVATE IP	PEER PRIVATE PORT	PEER PUBLIC IP	PEER PUBLIC PORT	REMOTE COLOR	STATE	LOCAL ERROR
10.0.2.73	23456	10.0.2.73	23456	default	trying	DCONFALL

Cisco SD-WAN is deployed with controllers hosted in a data center All branches have WAN Edge devices with dual connections to the data center one via Internet and the other using MPLS Three branches out of 20 have issues with their control connections on MPLS circuit The local error refers to Control Connection Failure Which action resolves the issue*?

A. Rectify any issues with the underlay routing configuration
B. Match the TLOC color on the controllers and all WAN Edge devices
C. Match certificates for the DTLS connection and Root CA must be installed first on WAN Edge devices
D. Update the system IP on vManage and then resend it to the controllers

Answer: A

NEW QUESTION 452
A WAN Edge device has several service VPNs with no routing protocol configured in the service VPNs The device must be configured so that all connected routes are visible in OMP for VPN 10 Which configuration meets the requirement?
A)

```
vpn 10
 name "^^^ Service VPN 10 ^^^^"
omp
  redistribute connected
```

B)

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

C)

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

D)

```
vpn 10
 name "^^^ Service VPN 10 ^^^^"
omp
  advertise connected
```

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

Answer: D

NEW QUESTION 454
Drag and drop the definitions from the left to the configuration on the right.

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

A. Mastered
B. Not Mastered

Answer: A

Explanation:

• Source zone—A grouping of VPNs where the data traffic flows originate.

• Destination zone—A grouping of VPNs where the data traffic flows terminate. A VPN can be part of only one zone

• Zone-based firewall policy—A data policy, similar to a localized data policy, that defines the conditions that the data

traffic flow from the source zone must match to allow the flow to continue to the destination zone. Zone-based firewalls can match IP prefixes, IP ports, an

protocols TCP, UDP, and ICMP. Matching flows can be accepted or dropped, and the packet headers can be logged. Nonmatching flows are dropped by de

• Zone pair—A container that associates a source zone with a destination zone and that applies a zone-based firewall policy to the traffic that flows betwee

zones.

Service Chaining

Traffic Flow Monitoring with Cflow

NEW QUESTION 457

Which device information is requited 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 460
What happens if the intelligent proxy is unreachable in the Cisco SD-WAN network?

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

Answer: A

NEW QUESTION 465
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 469
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 471
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
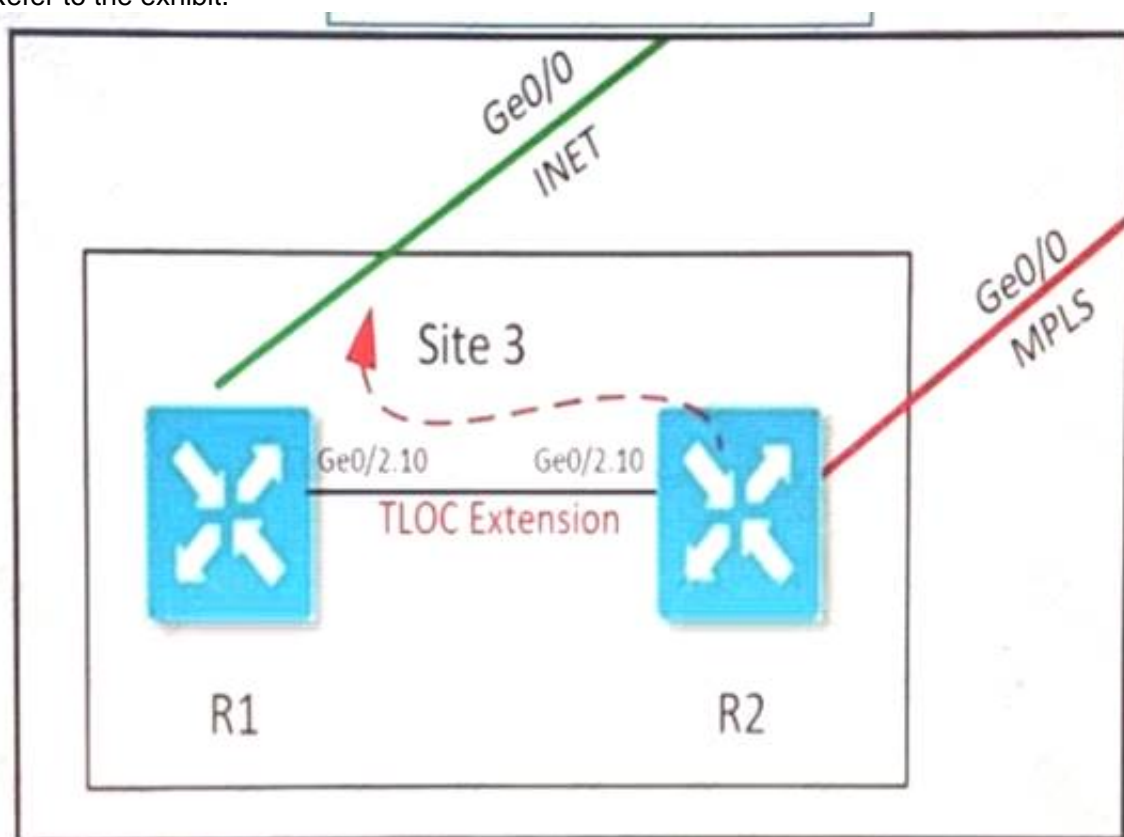B. OSPF
C. BFD
D. OMP

Answer: D

NEW QUESTION 472
What is the procedure to upgrade all Cisco SD-WAN devices to a recent version?

A. The upgrade is performed for a group of WAN Edge devices first to ensure data-plabe availability when other controllers are updated.
B. The upgrade is performed first on vManage, then on WAN Edge devices, then on vBond and finally on vSmart The reboot must start from WAN Edge devices.
C. Upgrade and reboot are performed first on vManage then on vBond then on vSmar
D. and finally on the Cisco WAN Edge devices.
E. Upgrade and reboot are performed first on vBon
F. then on vSmar
G. and finally on the Cisco WAN Edge devices.

Answer: C

NEW QUESTION 475
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

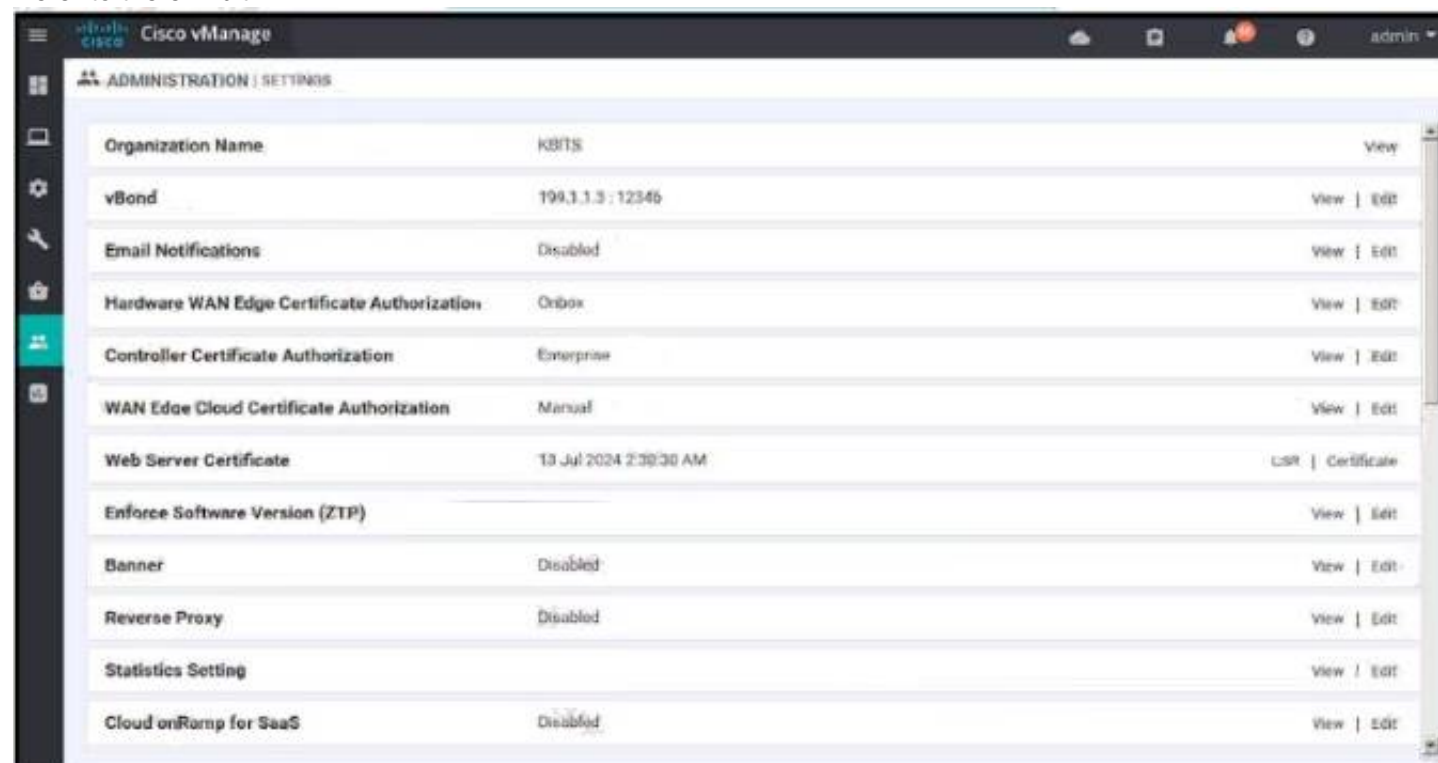**Answer:** C

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 477
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 479
Refer to the exhibit.

Address Family	🌐 ▾	⦿ On	○ Off
Address Family	🌐	ipv4-unicast ✕	
Maximum Number of Prefixes	✔ ▾		
Route Policy In	✔ ▾	○ On	⦿ Off
Route Policy Out	🌐 ▾	⦿ On	○ Off
Policy Name	🌐 ▾	eBGP_Community_Policy	

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

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

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

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

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

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

Answer: D

NEW QUESTION 480
Which two products are used to deploy Cisco WAN Edge Router virtual platforms? (Choose two.)

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

Answer: BD

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

NEW QUESTION 485
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 486
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 488
A customer wants to use AWS for Cisco SD-WAN laaS services by deploying virtual SD-WAN routers in a transit AWS VPC The transit VPC then connects via site-to-site IPsec tunnels to an AWS transit gateway Which transit VPC connects via site-to-site IPsec tunnels to an AWS transit gateway?

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

Answer: D

NEW QUESTION 489
Which two protocols are supported for software image delivery when images are hosted on a remote server? (Choose two.)

A. HTTPS
B. SSL
C. HTTP
D. TFTP
E. FTP

Answer: DE

NEW QUESTION 492
What is the order of operations for software upgrades of Cisco SD-WAN nodes'?

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

Answer: D

NEW QUESTION 496
Which configuration changes the packet loss priority from low to highly?
A)

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

B)

```
policy
  policer ccnp-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
```

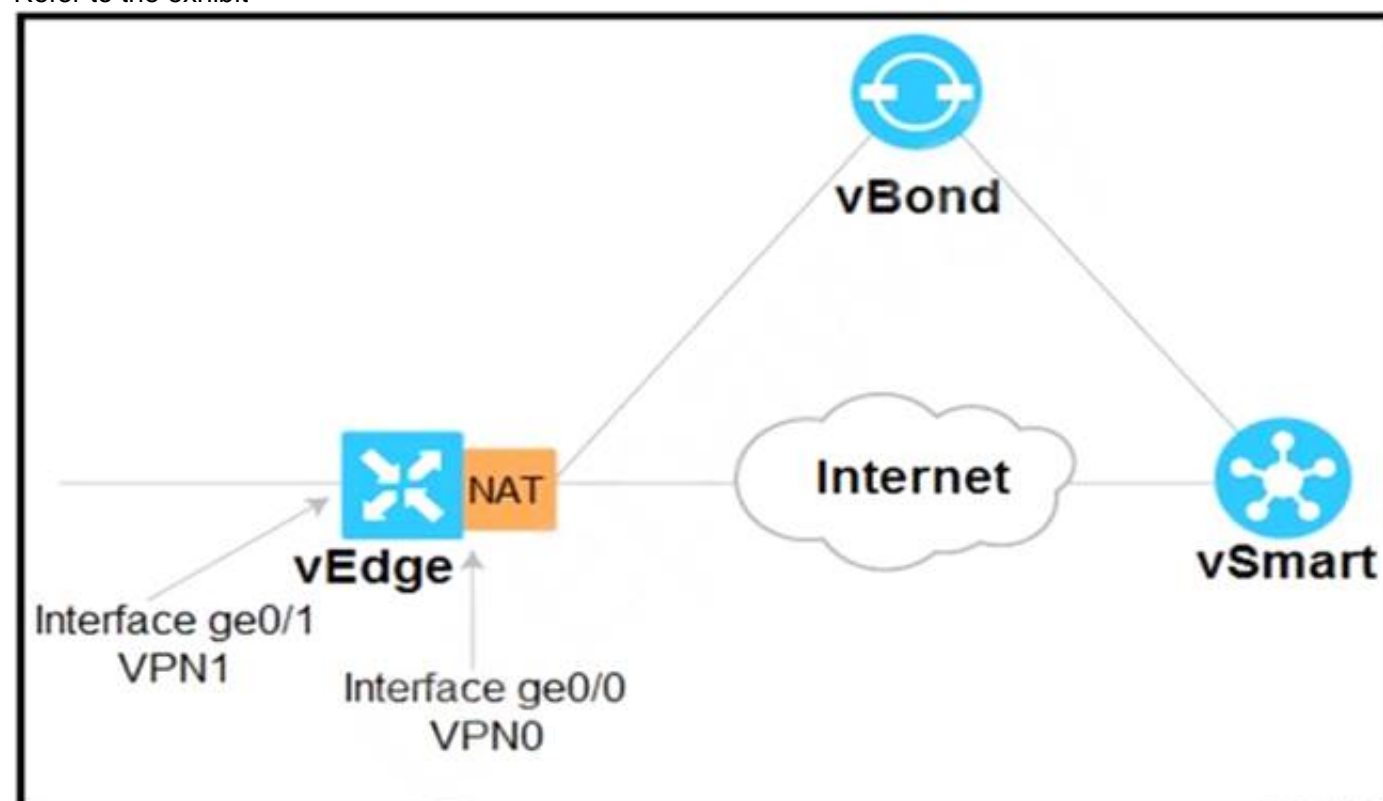A. Option A
B. Option B
C. Option C
D. Option D

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 501
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 505
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