Exam Code: 300-415
Exam Name: Implementing Cisco SD-WAN Solutions (ENSDWI)

QUESTION 1
DRAG DROP
Drag and drop the attributes from the left that make each transport location unique onto the right. Not all options are used.

Select and Place:

Correct Answer:

Section:
Explanation:
Reference: https://www.cisco.com/c/en/us/td/docs/solutions/CVD/SDWAN/cisco-sdwan-design-guide.html

QUESTION 2
DRAG DROP
Drag and drop the policies from the left onto the correct policy types on the right.

Select and Place:
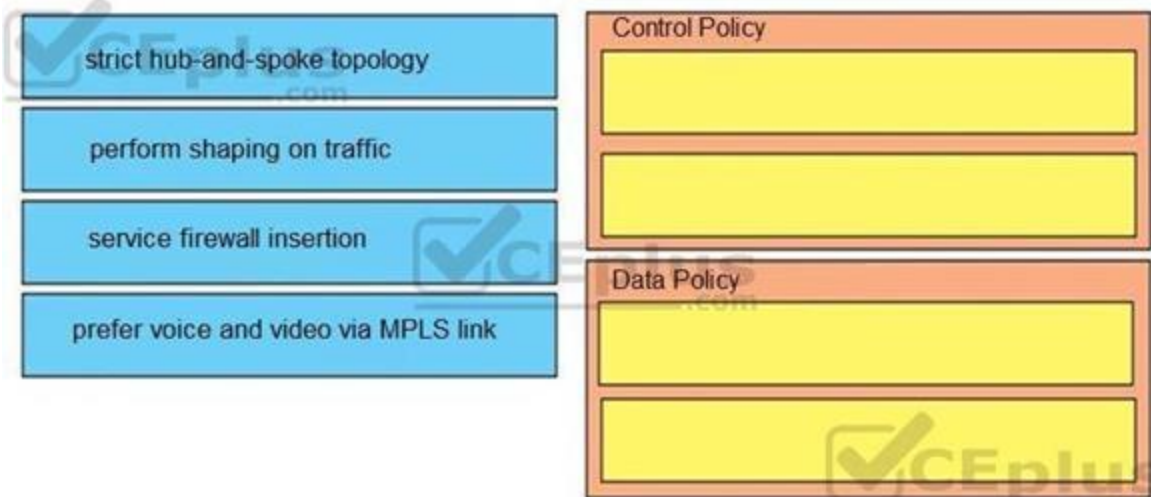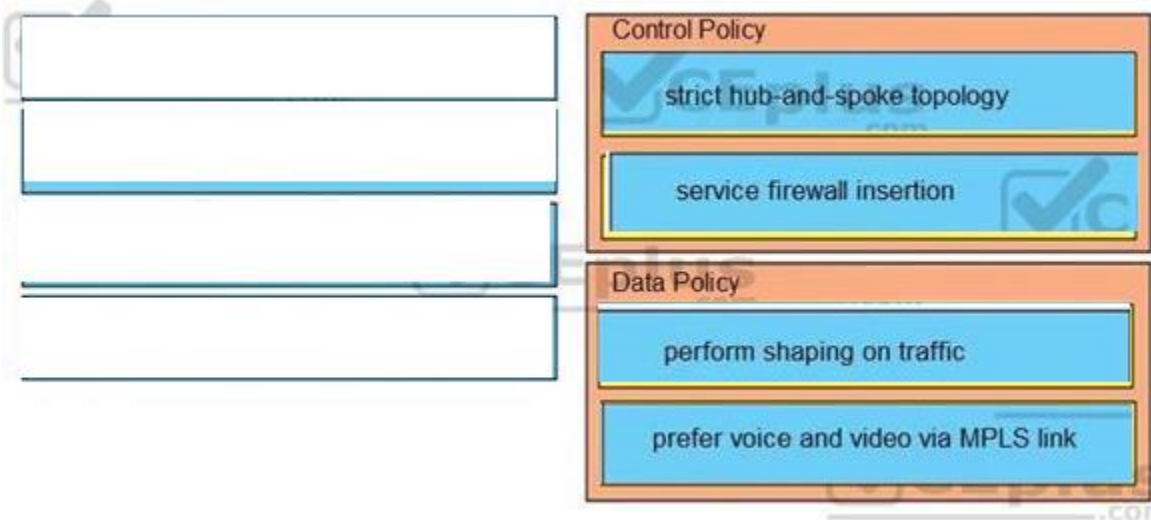
Correct Answer:

Section:
Explanation:

QUESTION 3
DRAG DROP
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.

Select and Place:

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

Correct Answer:

	Create centralized data policy
	Identify VPN and match criteria
	Enable NAT functionality
	Apply data policy

Section:
Explanation:
Reference: https://www.cisco.com/c/en/us/td/docs/routers/sdwan/configuration/policies/vedge/policies-book/vEdge-as-NAT-device.html
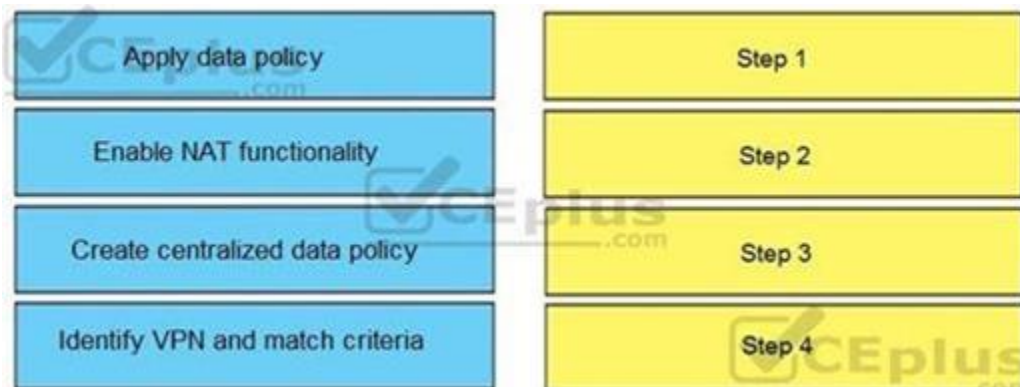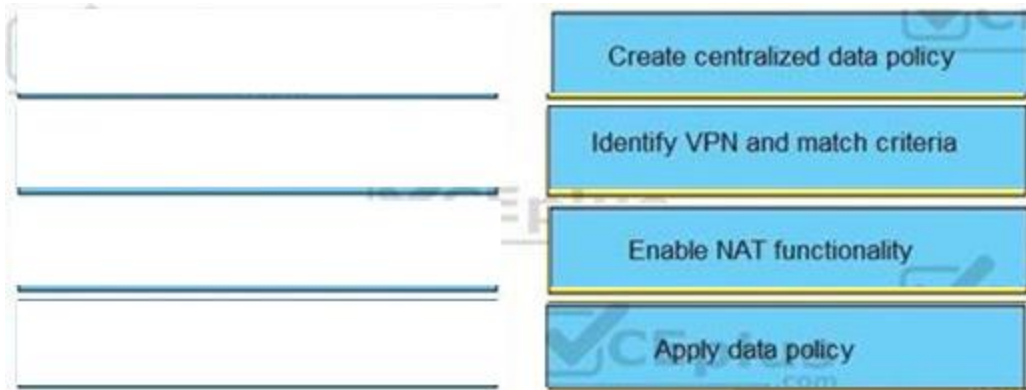
QUESTION 4
DRAG DROP
Drag and drop the functions from the left onto the correct templates on the right.

Select and Place:

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

Correct Answer:

	route-map
	VPN 10
	VPN 512
	VPN 0
	organization name
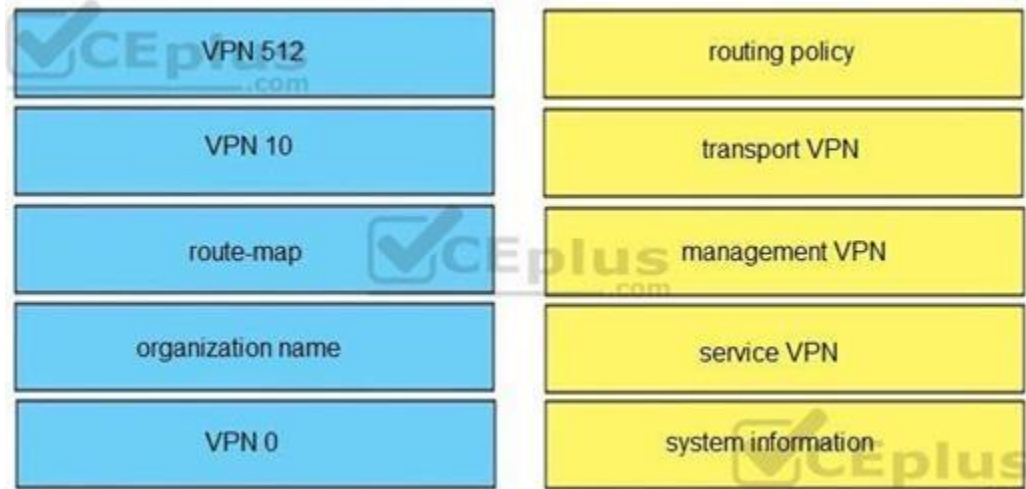
Section:
Explanation:

QUESTION 5
DRAG DROP
Drag and drop the definitions from the left to the configuration on the right.

Select and Place:

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

Correct Answer:

	grouping of VPNs where the data traffic flows terminate
	grouping of VPNs where the data traffic flows originate
	matching condition that allows traffic flow between two zones
	container that associated forwarding and blocking decisions

Section:
Explanation:
Reference: https://www.cisco.com/c/en/us/td/docs/routers/sdwan/configuration/security/vedge/security-book/ent-firewall-app-
aware.html#:~:text=Source%20zone%E2%80%94A%20grouping%20of,part%20of%20only%20one%20zone.&text=A%20VPN%20can%20be%20part%20of%20only%20one%20zone.,-
Firewall%20policy%E2%80%94A

QUESTION 6
DRAG DROP

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

Select and Place:

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

Correct Answer:

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

Section:
Explanation:
Explanation:

QUESTION 7
DRAG DROP
Drag and drop the steps from the left into the order on the right to upload software on vManage repository that is accessible from Maintenance > Software Repository.

Select and Place:

Click the repository.	step 1
Select vManage to store the software image.	step 2
Click Add new software.	step 3
Choose the file and click to upload.	step 4

Correct Answer:

	Click the repository.
	Click Add new software.
	Select vManage to store the software image
	Choose the file and click to upload.

Section:
Explanation:
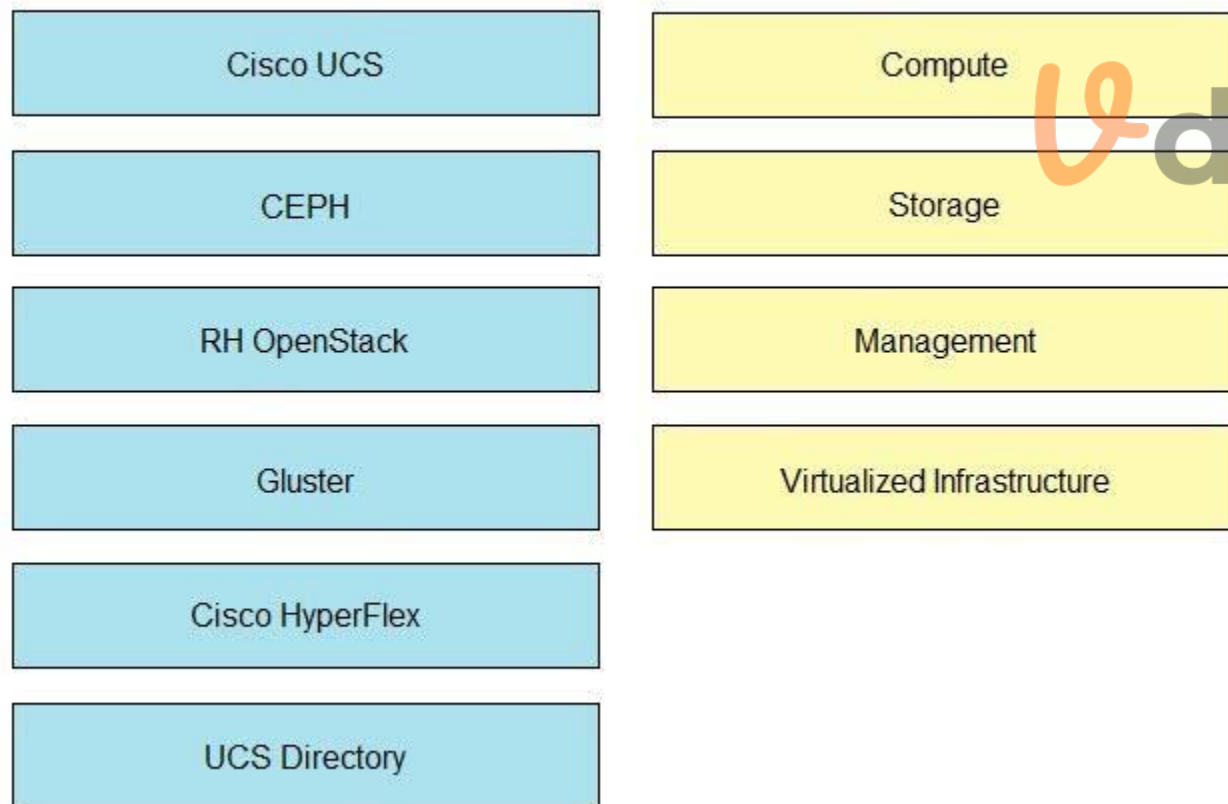Reference: https://www.cisco.com/c/dam/en/us/td/docs/routers/sdwan/vManage-Help/vmanage-help-17-2.pdf

QUESTION 8
DRAG DROP
Drag and drop the components from the left onto the corresponding Cisco NFV Infrastructure Building Blocks on the right. Not all options are used.

Select and Place:

Answer Area

Cisco UCS	Compute
CEPH	Storage
RH OpenStack	Management
Gluster	Virtualized Infrastructure
Cisco HyperFlex	
UCS Directory	

Correct Answer:

Answer Area

	Cisco UCS
	CEPH
	UCS Directory
Gluster	RH OpenStack
Cisco HyperFlex	

Vdumps

Section:
Explanation:

QUESTION 9
DRAG DROP
Drag and drop the BFD parameters from the left onto the BFD configurations on the right.

Select and Place:

Answer Area

poll interval	BFD for Transport Tunnel
color	
hello interval	
PMTU discovery	BFD for Application-Aware Routing
multiplier	

Correct Answer:

Answer Area

	BFD for Transport Tunnel
	color
	hello interval
	PMTU discovery
	BFD for Application-Aware Routing
	poll interval
	multiplier

Section:
Explanation:

QUESTION 10
DRAG DROP
Drag and drop the REST API calls from the left onto the functions on the right.

Select and Place:

Answer Area

PUT	Retrieve or read.
GET	Update an object.
POST	Create an object.
DELETE	Remove an object.

Correct Answer:

Answer Area

	GET
	PUT
	POST
	DELETE

Section:
Explanation:

QUESTION 11
DRAG DROP
Drag and drop the Cisco SD-WAN components from the left onto their functions on the right.

Select and Place:

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

Correct Answer:

	WAN Edge Router
	vBond Orchestrator
	vSmart Controller
	vManage

Section:
Explanation:

QUESTION 12
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

Correct Answer: A
Section:
Explanation:
https://www.cisco.com/c/dam/en/us/td/docs/solutions/CVD/SDWAN/sd-wan-wan-edgeonboarding-deploy-guide-2020jan.pdf

QUESTION 13
Which configuration step is taken on vManage after WAN Edge list is uploaded?

A. Send the list to controllers

B. Enable the ZTP process

C. Verify the device certificate

D. Set the device as valid

Correct Answer: D
Section:
Explanation:
https://www.cisco.com/c/dam/en/us/td/docs/solutions/CVD/SDWAN/sdwan-wan-edge-onboardingdeploy-guide-2020nov.pdf

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

QUESTION 14
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

Correct Answer: C, D
Section:
Explanation:
Reference: https://sdwandocs.cisco.com/Product_Documentation/vManage_Help/Release_18.2/Maintenance/Software_Repository

QUESTION 15
Which two image formats are supported for controller codes? (Choose two.)

A. .nxos

B. .qcow2

C. .ova

D. .bin

E. Tgz

Correct Answer: B, C
Section:

QUESTION 16
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

Correct Answer: D

Section:

QUESTION 17
Which SD-WAN component is configured to enforce a policy to redirect branch-to-branch traffic toward a network service such as a firewall or IPS?

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

Correct Answer: C
Section:

QUESTION 18
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

Correct Answer: A, E
Section:
Explanation:
Reference: https://www.cisco.com/c/en/us/solutions/collateral/enterprise-networks/sdwan/white_paper-c11-741071.html

QUESTION 19
Which two mechanisms are used to guarantee the integrity of data packets in the Cisco SD-WAN architecture data plane? {Choose two)

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

Correct Answer: B, E
Section:
Explanation:
https://sdwandocs.cisco.com/Product_Documentation/Software_Features/Release_18.4/Security/01Security_Overview/Data_Plane_Security_Overview

QUESTION 20
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

Correct Answer: B
Section:

QUESTION 21
Which policy configures an application-aware routing policy under Configuration > Policies?

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

Correct Answer: B
Section:
Explanation:

QUESTION 22
What is a default protocol for control plane connection?

A. IPsec

B. HTTPS

C. TLS

D. DTLS

Correct Answer: D
Section:
Explanation:
Reference: https://sdwan-docs.cisco.com/Product_Documentation/Software_Features/SDWAN_Release_16.3/05Security/02Configuring_Security_Parameters

QUESTION 23
Which logs verify when a device was upgraded?

A. Audit

B. Email

C. ACL

D. SNMP

Correct Answer: A
Section:
Explanation:
Reference: https://sdwandocs.cisco.com/Product_Documentation/vManage_Help/Release_18.4/Monitor/Audit_Log

QUESTION 24
Which command displays BFD session summary information per TLOC on vEdge routers?

A. show bfd history

B. show bfd summary

C. show bfd sessions

D. show bfd tloc-summary-list

Correct Answer: D
Section:
Explanation:
Reference:https://www.cisco.com/c/en/us/td/docs/routers/sdwan/command/sdwan-crbook/sdwan-cr-book_chapter_0100.html

QUESTION 25
Which Cisco SD-WAN WAN Edge platform supports LTE and Wi-Fi?

A. vEdge2000

B. ASR1001

C. CSR 1000v

D. ISR 1101

Correct Answer: D
Section:
Explanation:
Reference:
https://www.cisco.com/c/dam/en/us/products/collateral/routers/1000-series-integrated-servicesrouters-isr/q-and-a-c67-739639.pdf

QUESTION 26
Which component of the Cisco SD-WAN control plane architecture facilitates the storage of certificates and configurations for network components?

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

Correct Answer: D
Section:
Explanation:
Reference: https://www.cisco.com/c/en/us/td/docs/routers/sdwan/configuration/sdwan-xe-gsbook/system-overview.html

QUESTION 27
Which type of route advertisement of OMP can be verified?

A. OMP, VPN. and origin
B. Origin, TLOC, and VPN
C. Origin, TLOC, and service
D. OMP, TLOC and service

Correct Answer: D
Section:
Explanation:
Reference: https://www.cisco.com/c/dam/en/us/td/docs/routers/sdwan/configuration/config-18-2.pdf#page=122

QUESTION 28
Which OSPF command makes the WAN Edge router a less preferred exit from a site with a dual WAN Edge design?

A.

B.

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

C.

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

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

D.

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

Correct Answer: B
Section:

QUESTION 29
Which two services are critical for zero touch provisioning on-boarding? (Choose two)

A. SNMP

B. DNS

C. DHCP

D. AAA

E. EMAIL

Correct Answer: B, C
Section:
Explanation:
Reference: https://www.grandmetric.com/2020/03/23/zero-touch-provisioning-ztp-cisco-sd-wanwork/

QUESTION 30
Refer to the exhibit.

An engineer is troubleshooting a control connection Issue. What does "connect" mean in this how control connections output?

A. Control connection is down

B. Control connection is connected

C. Control connection attempt is in progress

D. Control connection is up

Correct Answer: C
Section:
Explanation:
Reference: https://community.cisco.com/t5/networking-documents/sd-wan-routers-troubleshootcontrol-connections/ta-p/3813237

QUESTION 31
Which hardware component is involved in the Cisco SD-WAN authentication process for ISR platforms?

A. TPMD

B. ZTP

C. TPC

D. SUDI

Correct Answer: D
Section:
Explanation:
Reference:https://www.cisco.com/c/dam/en/us/td/docs/solutions/CVD/SDWAN/sdwan-wan-edgeonboarding-deploy-guide-2020nov.pdf

QUESTION 32
Which alarm setting is configured to monitor serious events that affect but do not shut down, the operation of a network function?

A. Minor

B. Major

C. Medium

D. Critical

Correct Answer: B
Section:
Explanation:
Reference: https://sdwan-docs.cisco.com/Product_Documentation/vManage_How-Tos/Troubleshooting/Monitor_Alarms

QUESTION 33
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

Correct Answer: A
Section:

QUESTION 34
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

Correct Answer: B
Section:

QUESTION 35
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

Correct Answer: A
Section:
Explanation:
Reference:
https://www.cisco.com/c/dam/global/da_dk/assets/pdfs/cisco_virtual_update_cisco_sdwan_viptela.pdf

QUESTION 36
Refer to the exhibit.

```
policy
 policer ccnp
  rate    1000000
  burst   15000
  exceed drop
 !
access-list acl-guest
 sequence 1
  match
   source-ip       172.16.10.0/24
   destination-ip  172.16.20.0/24
   destination-port 20
   protocol        6
  !
  action accept
   policer ccnp
  !
 !
default-action drop
```

Which QoS treatment results from this configuration after the access list acl-guest is applied inbound on the vpn1 interface?

A. A UDP packet sourcing from 172.16.20.1 and destined to 172.16.10.1 is accepted

B. A TCP packet sourcing from 172.16.10.1 and destined to 172.16.20.1 is dropped

C. A UDP packet souring from 172.16.10.1 and destined to 172.16.20.1 is dropped.

D. A TCP packet sourcing from 172.16.20.1 and destined to 172.16.10.1 is accepted

Correct Answer: C
Section:

QUESTION 37
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

Correct Answer: C
Section:

QUESTION 38
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

Correct Answer: B
Section:
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.

Reference:
https://www.cisco.com/c/en/us/td/docs/routers/sdwan/configuration/policies/vedge/policiesbook.pdf

QUESTION 39
Which command on a WAN Edge device displays the information about the colors present in the fabric that are learned from vSmart via OMP?

A. show omp tlocs
B. show omp sessions
C. show omp peers
D. show omp route

Correct Answer: A
Section:
Explanation:
Reference: https://www.cisco.com/c/en/us/td/docs/routers/sdwan/command/sdwan-crbook/sdwan-cr-book_chapter_0100.html#wp1675287742

QUESTION 40
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

Correct Answer: C
Section:

QUESTION 41
Which protocol is used to measure loss latency, Jitter, and liveliness of the tunnel between WAN Edge router peers?

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

Correct Answer: D
Section:
Explanation:
Reference: https://www.ciscolive.com/c/dam/r/ciscolive/emea/docs/2019/pdf/TECCRS-2014.pdf

QUESTION 42
An engineer is troubleshooting a vEdge router and identifies a "DCONFAIL – DTLS connection failure" message. What is the problem?

A. certificate mismatch
B. organization mismatch
C. memory issue
D. connectivity issue

Correct Answer: D
Section:
Explanation:
https://community.cisco.com/t5/networking-documents/sd-wan-routers-troubleshoot-controlconnections/ta-p/3813237#toc-hId-340740870

QUESTION 43
Which on-the-box security feature supported by the Cisco ISR 4451 SD-WAN device and not on vEdge?

A. Cloud Express service
B. Enterprise Firewall with Application Awareness
C. reverse proxy
D. IPsec/GRE cloud proxy

Correct Answer: B
Section:
Explanation:
https://www.cisco.com/c/en/us/products/collateral/software/one-wan-subscription/guide-c07-740642.html#Step2SoftwareType

QUESTION 44
When the VPN membership policy is being controlled at the vSmart controller, which policy disallows VPN 1 at sites 20 and 30?

A.

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

B.

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

C.

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

D.

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

E. Option A
F. Option B
G. Option C
H. Option D

Correct Answer: C
Section:
Explanation:
Reference: https://www.cisco.com/c/dam/en/us/td/docs/routers/sdwan/configuration/config-17-2.pdf#page=190

QUESTION 45
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.

D.

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

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

Correct Answer: B
Section:
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/qosbook/forwarding-qos.html

QUESTION 46
In which VPN is the NAT operation on an outgoing interface configured for direct Interne! access?

A. 1
B. 10
C. 512
D. 0

Correct Answer: D
Section:
Explanation:
Reference: https://www.cisco.com/c/dam/en/us/td/docs/solutions/CVD/SDWAN/sdwan-dia-deploy-2019nov.pdf

QUESTION 47
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

Correct Answer: A, C
Section:
Explanation:
Reference:
https://www.cisco.com/c/dam/en/us/solutions/collateral/enterprise-networks/sd-wan/nb-06-ciscosd-wan-ebook-cte-en.pdf

QUESTION 48

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

Correct Answer: B
Section:
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 DC's 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.

QUESTION 49
Which value is verified in the certificates to confirm the identity of the physical WAN Edge device?

A. Serial Number

B. OTP

C. System-IP

D. Chassis-ID

Correct Answer: A
Section:
Explanation:
https://www.cisco.com/c/en/us/td/docs/routers/sdwan/configuration/sdwan-xe-gs-book/managecertificates.html

QUESTION 50
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
```

Correct Answer: B
Section:
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

QUESTION 51
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

Correct Answer: A
Section:
Explanation:
Reference:
https://sdwandocs.cisco.com/Product_Documentation/Software_Features/SDWAN_Release_16.3/02System_and_Interfaces/08Configuring_System_Logging

To disable the logging of syslog messages to the local disk, use the no system logging disk enable co

QUESTION 52
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}}

Correct Answer: A
Section:
Explanation:

Display all available vEdge routers in the over ay network.

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

QUESTION 53
On which device is a service FW address configured to Insert firewall service at the hub?

A. vEdge at the branch
B. vSmart at the hub
C. vEdge at the hub
D. vSmart at the branch

Correct Answer: C
Section:
Explanation:

QUESTION 54
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

Correct Answer: B
Section:

QUESTION 55
A voice packet requires a latency of 50 msec. Which policy is configured to ensure that a voice packet is always sent on the link with less than a 50 msec delay?

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

Correct Answer: D
Section:
Explanation:
https://www.cisco.com/c/en/us/td/docs/routers/sdwan/configuration/policies/ios-xe-17/policiesbook-xe/application-aware-routing.html

QUESTION 56
A vEdge platform is sending VRRP advertisement messages every 10 seconds. Which value configures the router back to the default timer?

A. 2 seconds
B. 3 seconds
C. 1 second
D. 5 seconds

Correct Answer: C
Section:
Explanation:
Reference:
https://sdwandocs.cisco.com/Product_Documentation/vManage_Help/Release_18.3/Configuration/Templates/VPN_Interface_Ethernet

QUESTION 57
Which pathway under Monitor > Network > Select Device is used to verify service insertion configuration?

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

Correct Answer: A
Section:
Explanation:
• Using Cisco vManage:
  View the configured services on the **Real Time** monitoring page (**Monitor > Network >** hub-device > **Real Time**). For **Device Options**, select **OMP Services**.
https://www.cisco.com/c/en/us/td/docs/routers/sdwan/configuration/policies/vedge-20-x/policiesbook/service-chaining.html

QUESTION 58

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

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

Correct Answer: B
Section:

QUESTION 59
Which combination of platforms are managed by vManage?

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

Correct Answer: A
Section:
Explanation:
Reference: https://www.cisco.com/c/dam/en/us/solutions/collateral/enterprise-networks/sdwan/nb-06-sw-defined-wan-faq-cte-en.pdf

QUESTION 60
Which scheduling method is configured by default for the eight queues in the cloud vEdge router1?

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

Correct Answer: D
Section:
Explanation:
Reference:
https://sdwan-docs.cisco.com/Product_Documentation/Software_Features/SDWAN_Release_16.3/06Policy_Basics/05Localized_Data_Policy/Configuring_Localized_Data_Policy_for_IPv4

QUESTION 61
Which platforms are managed by a single vManage dashboard?

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

Correct Answer: C
Section:
Explanation:

QUESTION 62
Which pathway under Monitor > Network > Select Device is used to verify service insertion configuration?

A. System Status
B. Troubleshooting
C. Real Time
D. Events

Correct Answer: B
Section:
Explanation:
Reference: https://www.ciscolive.com/c/dam/r/ciscolive/apjc/docs/2018/pdf/LABEN-2010-LG.pdf

• Using Cisco vManage:

View the service chain path on the **Traceroute** page (**Monitor** > **Network** > spoke device > **Troubleshooting** > **Connectivity** > **Trace Route**). Enter the destination IP, VPN, and source interface for the desired path.

QUESTION 63
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

Correct Answer: C
Section:
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.

QUESTION 64
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

Correct Answer: D
Section:

QUESTION 65
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

Correct Answer: C
Section:
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.

QUESTION 66

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

Correct Answer: B
Section:

QUESTION 67

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

Correct Answer: A, B
Section:
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

QUESTION 68

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.

Correct Answer: A, E
Section:
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.

QUESTION 69
In an AWS cloud, which feature provision WAN Edge routers automatically in Cisco SD-WAN?

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

Correct Answer: B
Section:
Explanation:

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

QUESTION 70
A Cisco SD-WAN customer has a requirement to calculate the SHA value for files as they pass through the device to see the returned disposition and determine if the file is good, unknown or malicious. The customer also wants to perform real-time traffic analysis and generate alerts when threats are detected Which two Cisco SD-WAN solutions meet the requirements? (Choose two.)

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

Correct Answer: C, D
Section:

QUESTION 71
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

Correct Answer: A
Section:

QUESTION 72
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
```

E. Option A
F. Option B
G. Option C
H. Option D

Correct Answer: C
Section:

QUESTION 73
Which service VPN must be reachable from all WAN Edge devices and the controllers?

A. VPN0
B. VPN10
C. VPN215
D. VPN512

Correct Answer: A
Section:

QUESTION 74
In which Cisco SD-WAN deployment scenario does Cisco Umbrella SIG deliver the most value?

A. when a centralized Internet breakout solution is implemented
B. when resource-intensive security operations are offloaded from entry-level WAN Edge devices
C. when the identity of several WAN Edge devices is verified throughout the network throughout the network

Correct Answer: B
Section:

QUESTION 75
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?
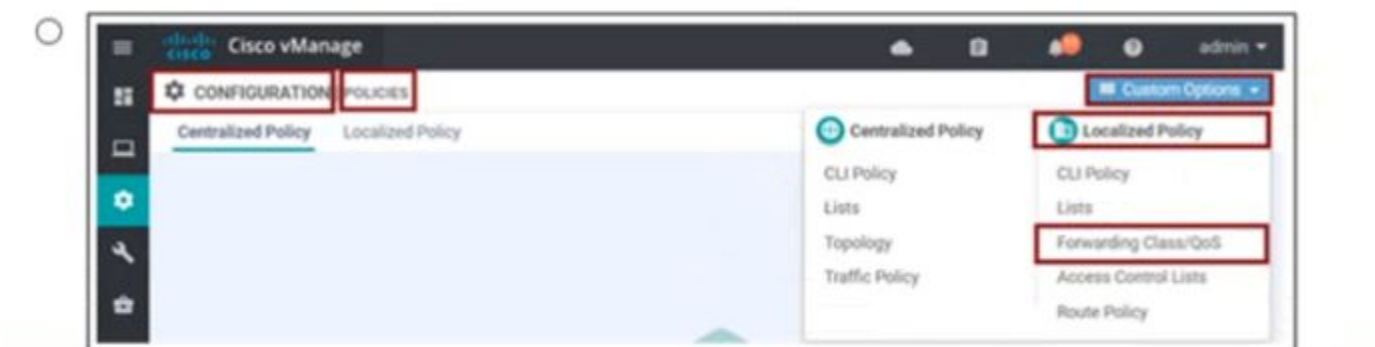A)

C)

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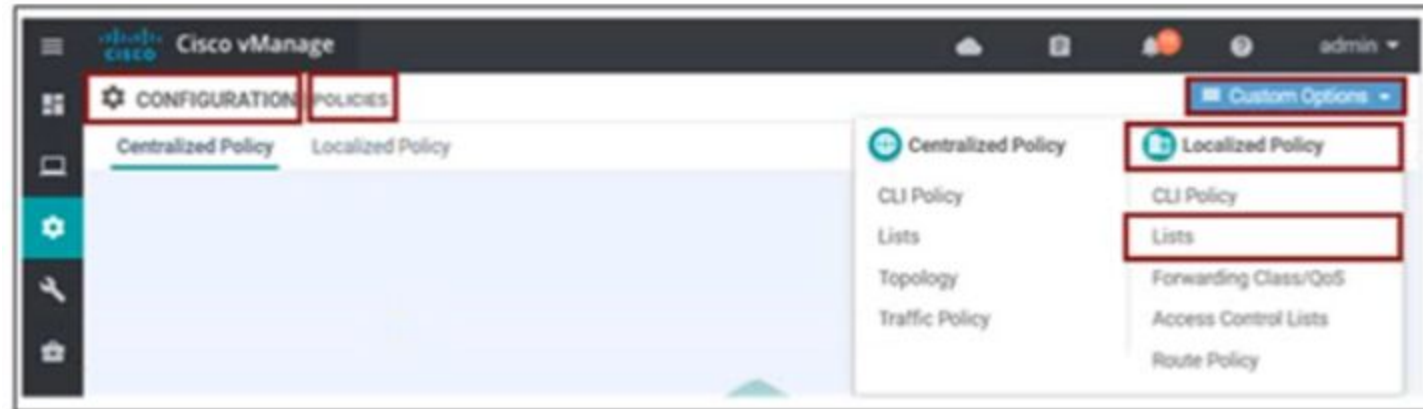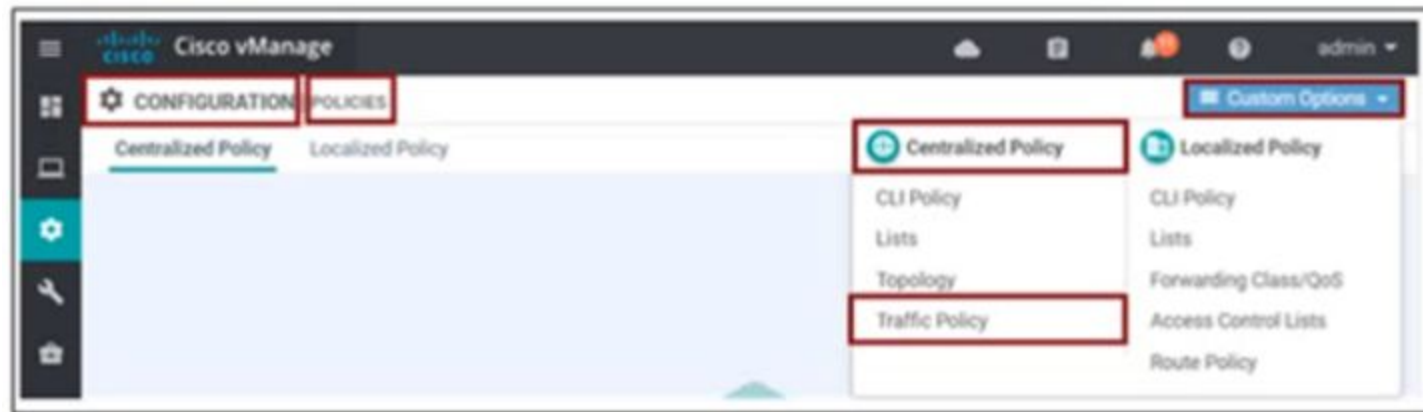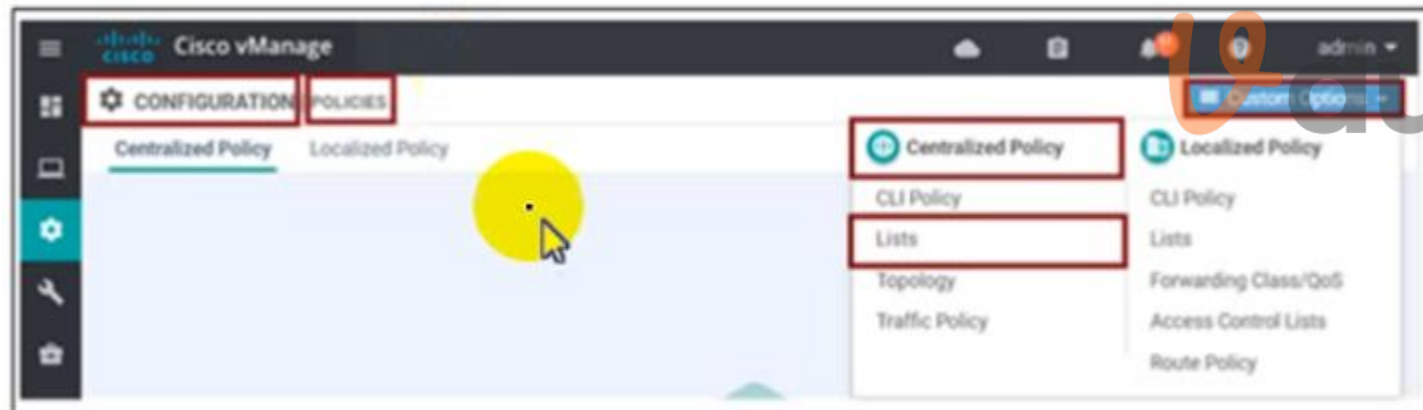
A. Option A
B. Option B
C. Option C

D. Option D

Correct Answer: D
Section:

QUESTION 76
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

Correct Answer: A
Section:

QUESTION 77
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

Correct Answer: C
Section:

QUESTION 78
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?
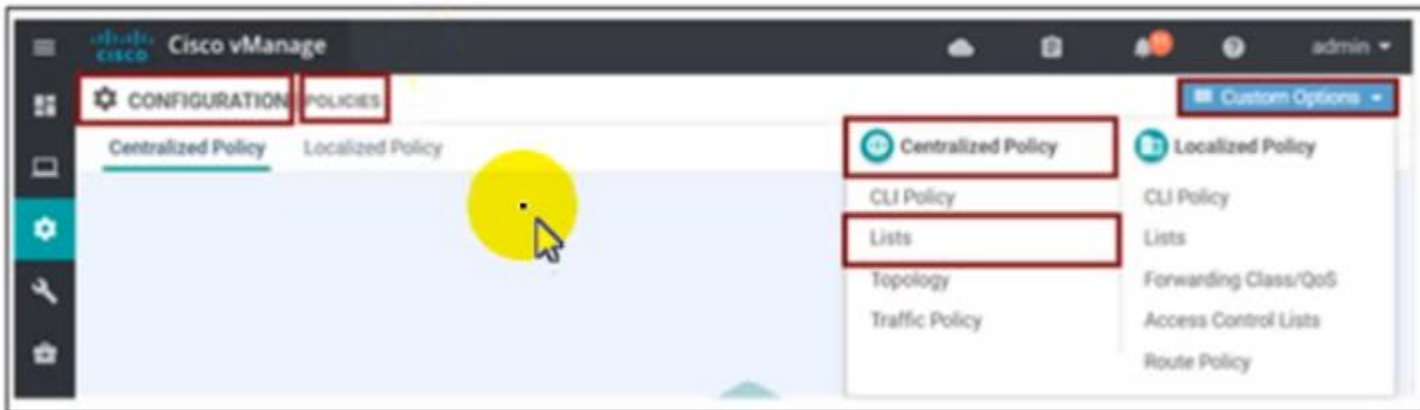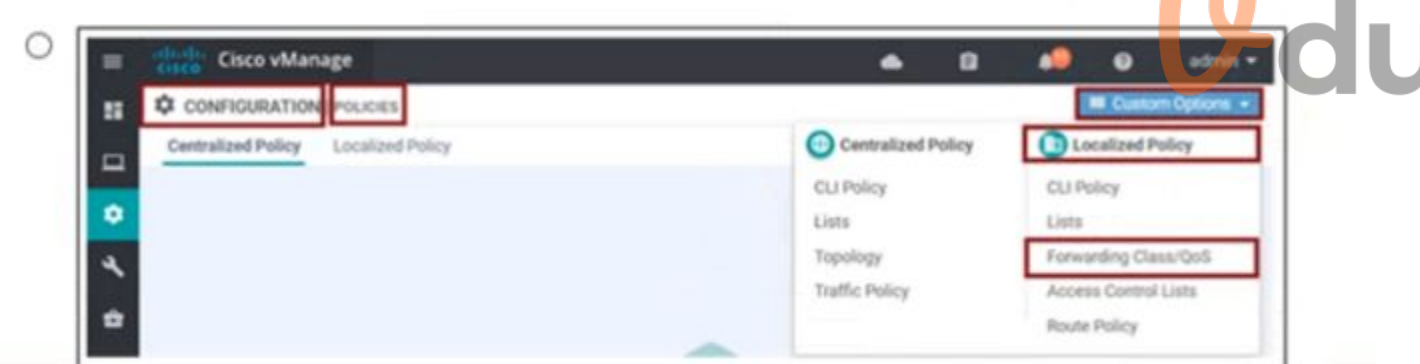A)

B)

C)

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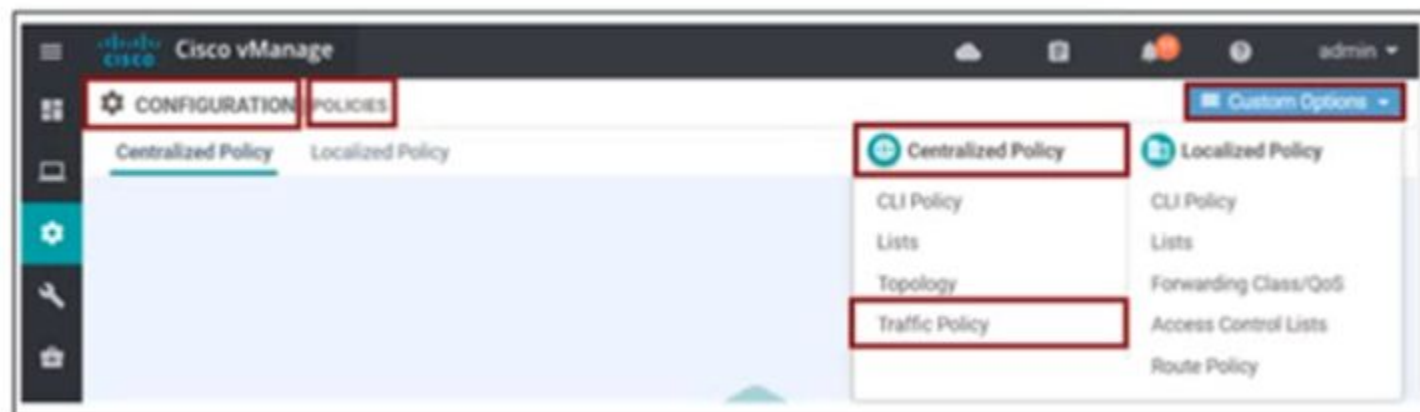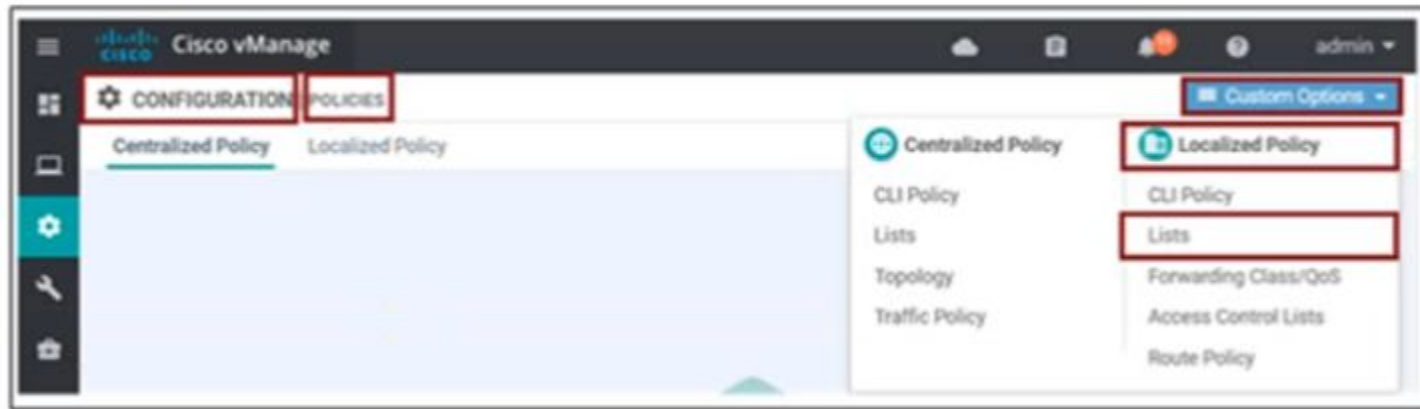
A. Option A
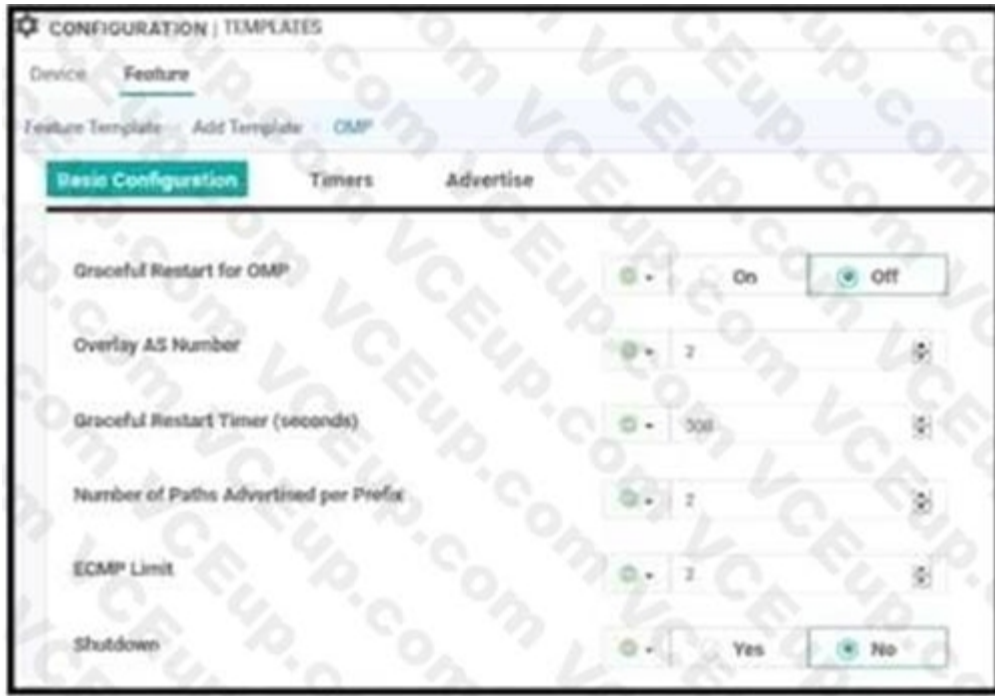B. Option B
C. Option C
D. Option D

Correct Answer: D
Section:

QUESTION 79
A company must avoid downtime at the remote sites and data plane to continue forwarding traffic between WAN Edge devices if the branch router loses connectivity to its OMP peers Which configuration meets the requirement?

A.

B.

C.

D.

Correct Answer: D
Section:

QUESTION 80
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

Correct Answer: D

Section:

QUESTION 81
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. ln vManage NMS, select the configure ? policies screen, select the localized policy tab and click add policy
B. In vSmart controller, select the configure ? policies screen, select the localized policy tab. and click add policy
C. In vManage NMS. select the configure ? policies screen select the centralized policy tab and click add policy
D. In vBond orchestrator. select the configure ? policies screen, select the localized policy tab. and click add policy

Correct Answer: A
Section:

QUESTION 82
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
```

Correct Answer: B
Section:

QUESTION 83
Company E wants to deploy Cisco SD-WAN with controllers in AWS The company's existing WAN is on private MPLS without Internet access to controllers m AWS An Internet circuit is added to a site in addition to the existing MPLS circuit. Which interface template establishes BFD neighbors over both transports?

A.

B.

C.

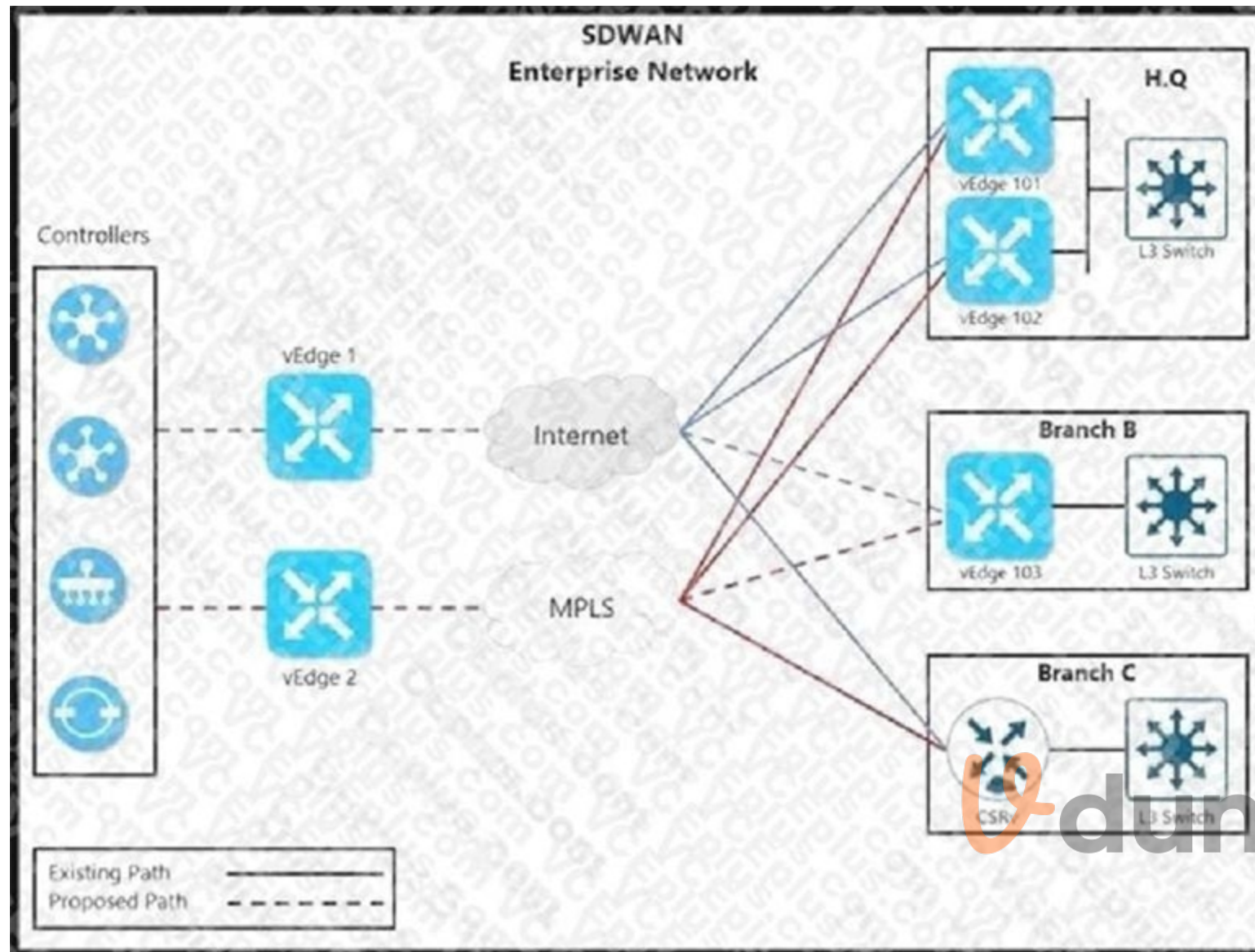**Correct Answer: A**
Section:

QUESTION 84
Refer to the exhibit.

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

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

omp
 no shutdown
 graceful-restart

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

Which configuration meets the requirement?

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

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

C.	vpn 0
	interface ge0/0
	 description "*** Internet Circuit ***"
	 ip address 209.165.200.225/30
	 tunnel-interface
	  encapsulation ipsec
	  color public-internet restrict
	  group 500
	  allow-service all

	interface ge0/1
	 description "*** MPLS ***"
	 ip address 10.10.0.101/30
	 tunnel-interface
	  encapsulation ipsec
	  color mpls restrict
	  group 50
	  allow-service all

D.	vpn 0
	interface ge0/0

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

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

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

Correct Answer: D
Section:

QUESTION 85
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 vSmart. and finally on the Cisco WAN Edge devices.
D. Upgrade and reboot are performed first on vBond. then on vSmart. and finally on the Cisco WAN Edge devices.

Correct Answer: C
Section:

QUESTION 86
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
```

Correct Answer: D
Section:

QUESTION 87
Refer to the exhibit.
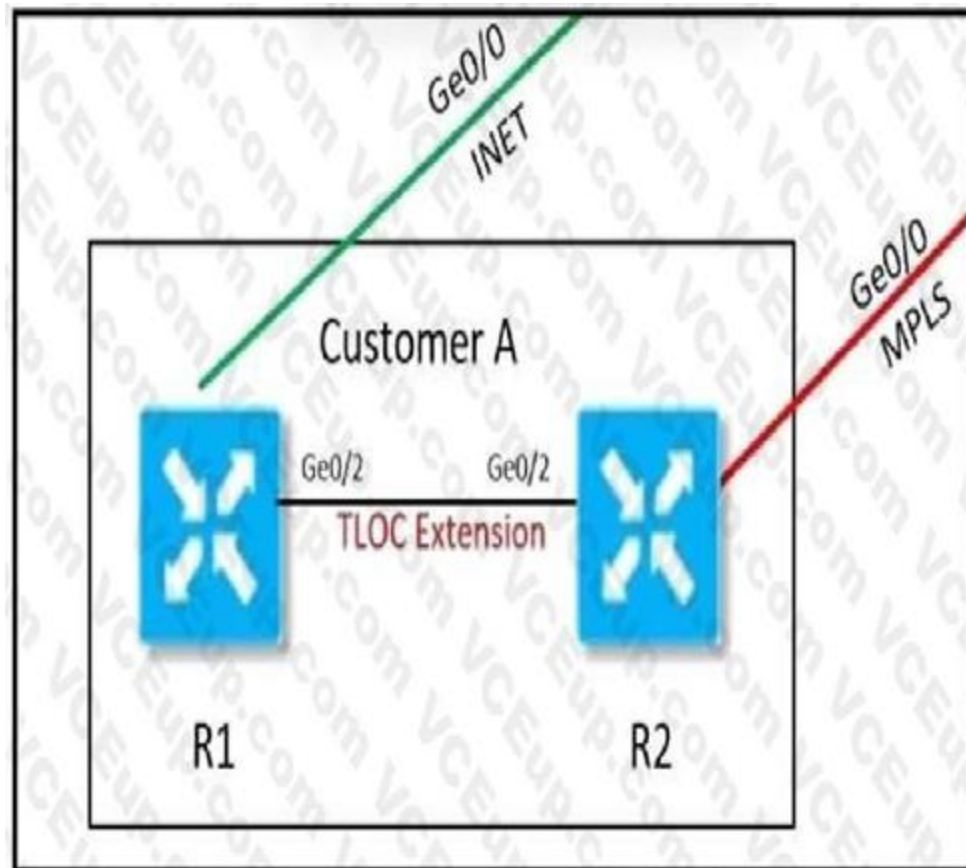
An MPLS connection on R2 must extend to R1 Users behind R1 must have dual connectivity for data traffic Which configuration provides R1 control connectivity over the MPLS connection?

A.

```
R1
 interface ge0/2
  ip address 34.34.34.1/30
  tloc-extension ge0/1
  tunnel-interface
   color mpls

R2
 interface ge0/2
  ip address 34.34.34.2/30
  tloc-extension ge0/0
  tunnel-interface
   color public-internet
```
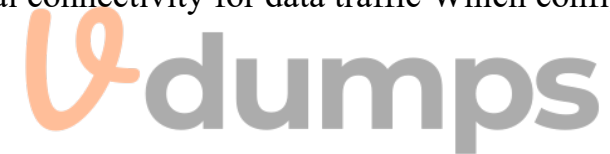
B.

```
R1
 interface ge0/2
  ip address 34.34.34.1/30
  tloc-extension ge0/1

R2
 interface ge0/0
  ip address 34.34.34.2/30
  tunnel-interface
   color mpls
```

C.

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

D.

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

E. Option A
F. Option B
G. Option C
H. Option D

Correct Answer: D
Section:

QUESTION 88
What prohibits deleting a VNF image from the software repository?

A. if the image is stored by vManage
B. if the image is referenced by a service chain
C. if the image is uploaded by a WAN Edge device

D. if the image is included in a configured policy

Correct Answer: D
Section:

QUESTION 89
Which set of elements are verified by the controller to confirm the identity of edge devices?

A. HTTP loss and latency metrics to the SaaS application
B. ICMP loss and latency metrics to the SaaS application
C. BFD loss and latency metrics to the gateway site
D. BFD loss and latency metrics to the SaaS application
E. HTTP loss and latency metrics to the gateway site

Correct Answer: A, C
Section:
Explanation:
-The gateway vEdge uses HTTP to obtain SaaS application performance information - The client vEdgewill use BFD over the IPSec tunnel to the gateway site to obtain client>gateway path performanceinformation
https://www.cisco.com/c/dam/en/us/td/docs/solutions/CVD/SDWAN/CVD-SD-WAN-Cloud-onRamp-for-SaaS-Deployment-Guide-2018JUL.pdf

QUESTION 90
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.

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
```

Correct Answer: C
Section:

QUESTION 91
Refer to the exhibit.

vManage	vSmart

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

vBond	

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

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

A. Configure the tunnel interface on all three controllers with a color of transport.

B. Change the timezone on the vSmart to Europe/London.

C. Configure the (11.1.1.X/24) IP addresses on the elhO interfaces on vManage and vSmart.

D. Reconfigure the system-ip parameter on vSmart to 11.1.1.2.

Correct Answer: B
Section:

QUESTION 92
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

Correct Answer: C
Section:

QUESTION 93
DRAG DROP
Drag and drop the devices from the left onto the correct functions on the right.

Select and Place:

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

Correct Answer:

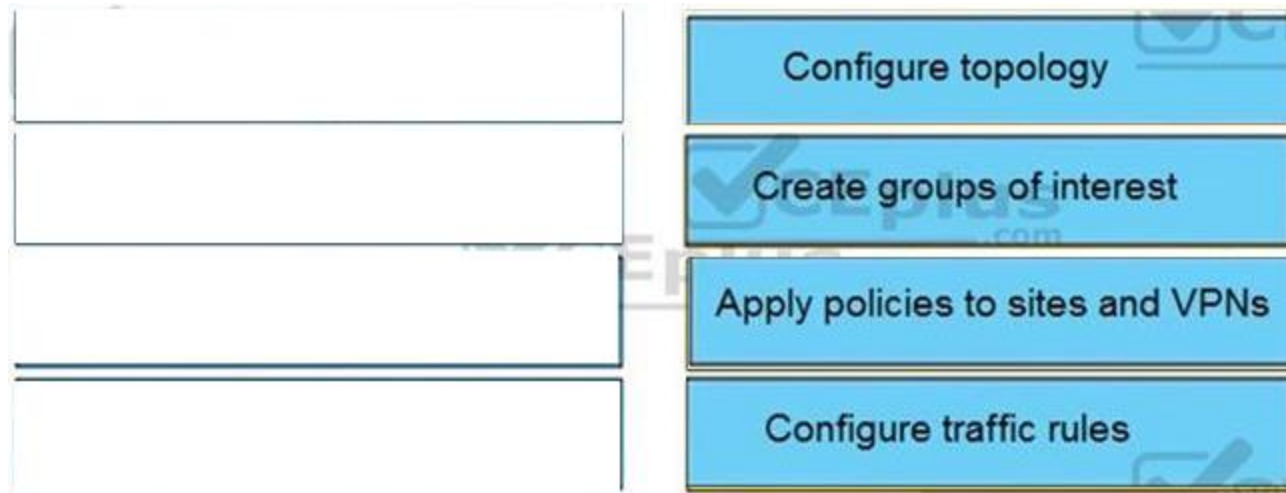|	
	vEdge
	vBond
	vManage
	vSmart

QUESTION 94
DRAG DROP
Drag and drop the vManage policy configuration procedures from the left onto the correct definitions on the right.

Select and Place:

Create groups of interest	Create the network structure to which the policy applies
Configure traffic rules	Create lists that group together related items that an engineer can call in the match or action components of a policy
Configure topology	Associate a policy with sites and VPNs in the overlay network
Apply policies to sites and VPNs	Create the match and action conditions of a policy

Correct Answer:

Configure topology

Create groups of interest

Apply policies to sites and VPNs

Configure traffic rules

Section:
Explanation:
Reference: https://www.cisco.com/c/en/us/td/docs/routers/sdwan/configuration/policies/vedge/policies-book/data-policies.html

QUESTION 95
Which policy is configured to ensure that a voice packet is always sent on the link with less than a 50 msec delay?

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

Correct Answer: C
Section:

QUESTION 96
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

Correct Answer: D
Section:

QUESTION 97
What is the minimum Red Hat Enterprise Linux operating system requirement for a Cisco SD-WAN controller deployment via KVM?

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

Correct Answer: D
Section:

QUESTION 98
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

Correct Answer: A
Section:

QUESTION 99
Which issue triggers the Cisco Umbrella resolver to toward DNS requests to the intelligent proxy?
Which issue triggers the Cisco Umbrella resolver to toward DNS requests to the intelligent proxy?

A. A domain is nonexistent.

B. A domain is block-listed.

C. A domain is locally reachable.

D. A domain is grey-listed.

Correct Answer: D
Section:

QUESTION 100
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. 4vCPUs. 16 GB

B. 4 vCPUs. 8 GB

C. 8vCPUs. 16 GB

D. 2vCPUs.4GB

Correct Answer: B
Section:

QUESTION 101
Refer to the exhibit.
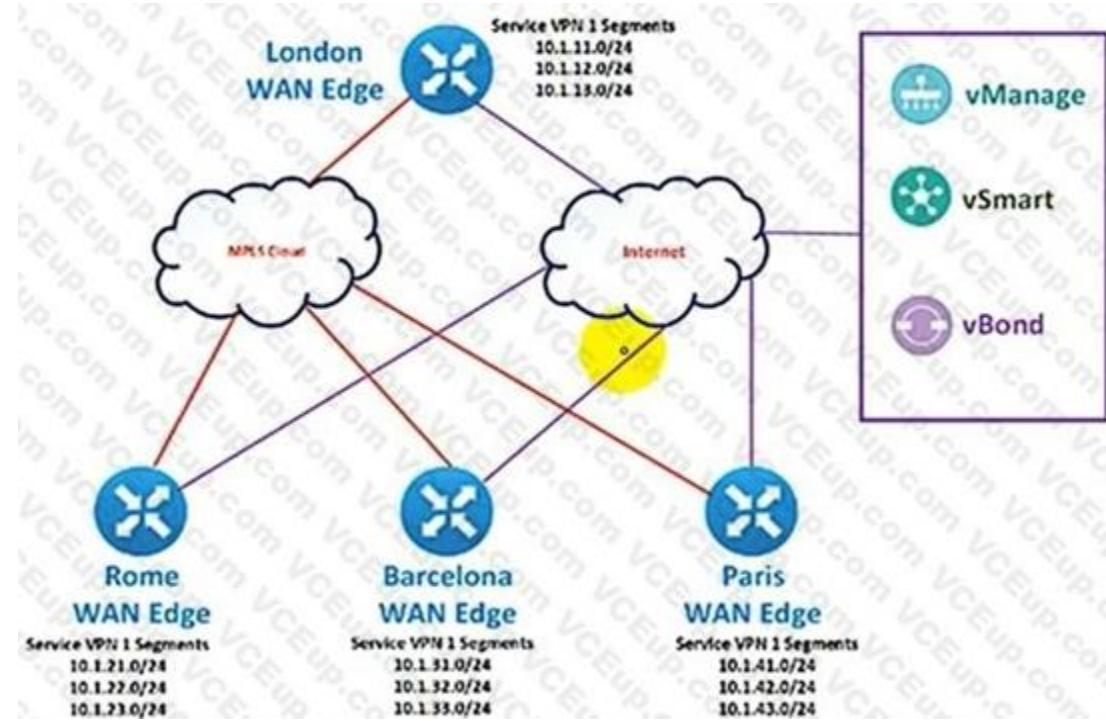
The Cisco SD-WAN network is configured with a default full-mesh topology. An engineer wants Paris WAN Edge to use the Internet HOC as the preferred TLOC for MSN Messenger and AOL Messenger traffic. Which policy achieves this goal?

A.

B.

C.

D.

Correct Answer: A
Section:

QUESTION 102
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

Correct Answer: A
Section:

QUESTION 103

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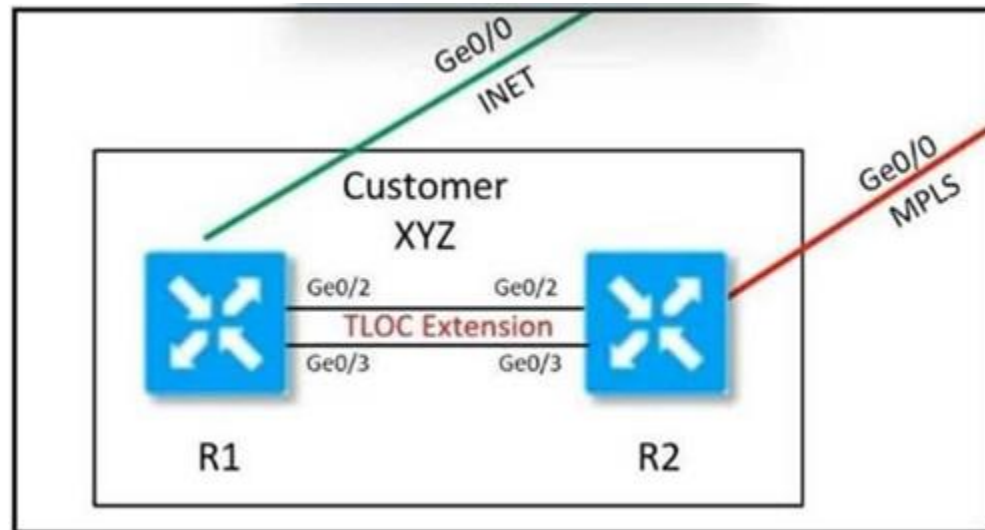
Customer XYZ cannot provision dual connectivity on both of its routers due to budget constraints but wants to use both R1 and R2 interlaces for users behind them for load balancing toward the hub site.
Which configuration achieves this objective?

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

    interface ge0/3
     ip address 34.34.34.1/30
     tunnel-interface
      color mpls
    R2
    interface ge0/2
     ip address 43.43.43.1/30
     tunnel-interface
      color public-internet

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

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

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

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

    interface ge0/3
     ip address 34.34.34.1/30

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

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

    R2
    interface ge0/2
     ip address 43.43.43.1/30

    interface ge0/3
     ip address 34.34.34.1/30

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

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

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

    interface ge0/3
     ip address 34.34.34.2/30
     tloc-extension ge0/2
```
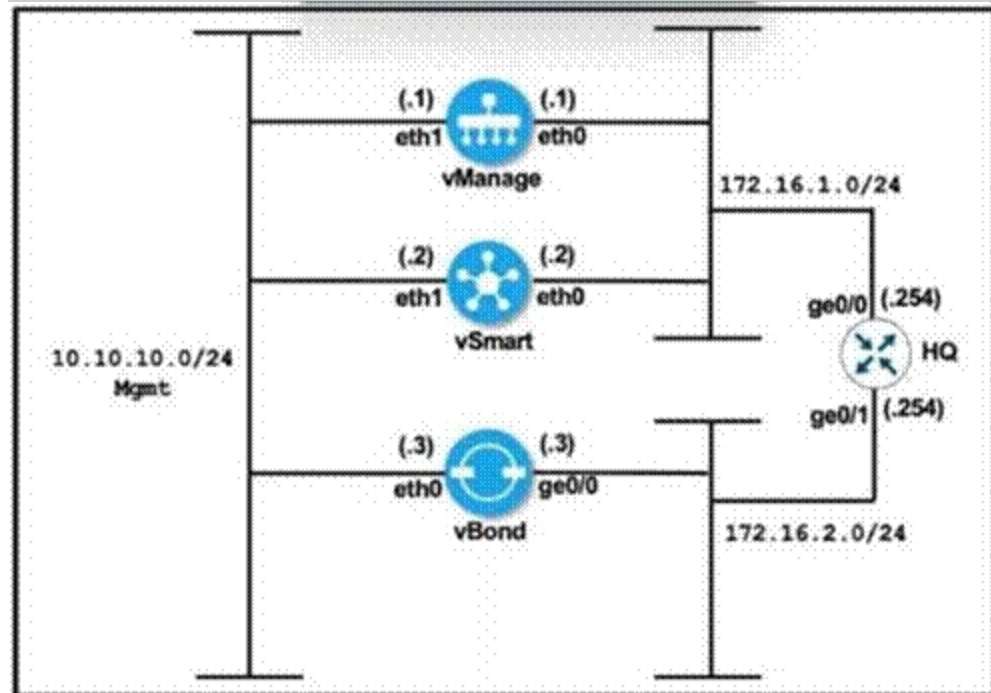
A. Option A
B. Option B
C. Option C
D. Option D

Correct Answer: A
Section:

QUESTION 104

Refer to the exhibit.

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

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

Correct Answer: C
Section:

QUESTION 105
An engineer must deploy a QoS policy with these requirements:
• policy name: App-police
• police rate: 1000000
• burst: 1000000
• exceed: drop

Which configuration meets the requirements?

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

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

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

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

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

Correct Answer: B
Section:

QUESTION 106
How is an event monitored and reported for an individual device in the overlay network at site ID:S4300T6E43F36?

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

Correct Answer: A
Section:

QUESTION 107
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

Correct Answer: A
Section:

QUESTION 108
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

Correct Answer: B
Section:

QUESTION 109
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 cloud. The Microsoft underlay cloud fabric performs the management function.
B. There must be three subnets in VNet: management, public, and services.
C. One public subnet is required in VNet. The Microsoft underlay cloud fabric performs all of the routing functions for WAN Edge.
D. Public and services subnets are required in VNet. The Microsoft underlay cloud fabric performs the management function.

Correct Answer: D
Section:

QUESTION 110
Refer to the exhibit.

Specify your network topology

Update VPN Membership Policy

VPN Membership Name — VPN_Segmentation

Description — VPN_Segmentation

Site List	VPN Lists
Site_2	VPN_10 × VPN_91 ×
Hub	VPN_10 × VPN_91 ×

Cancel
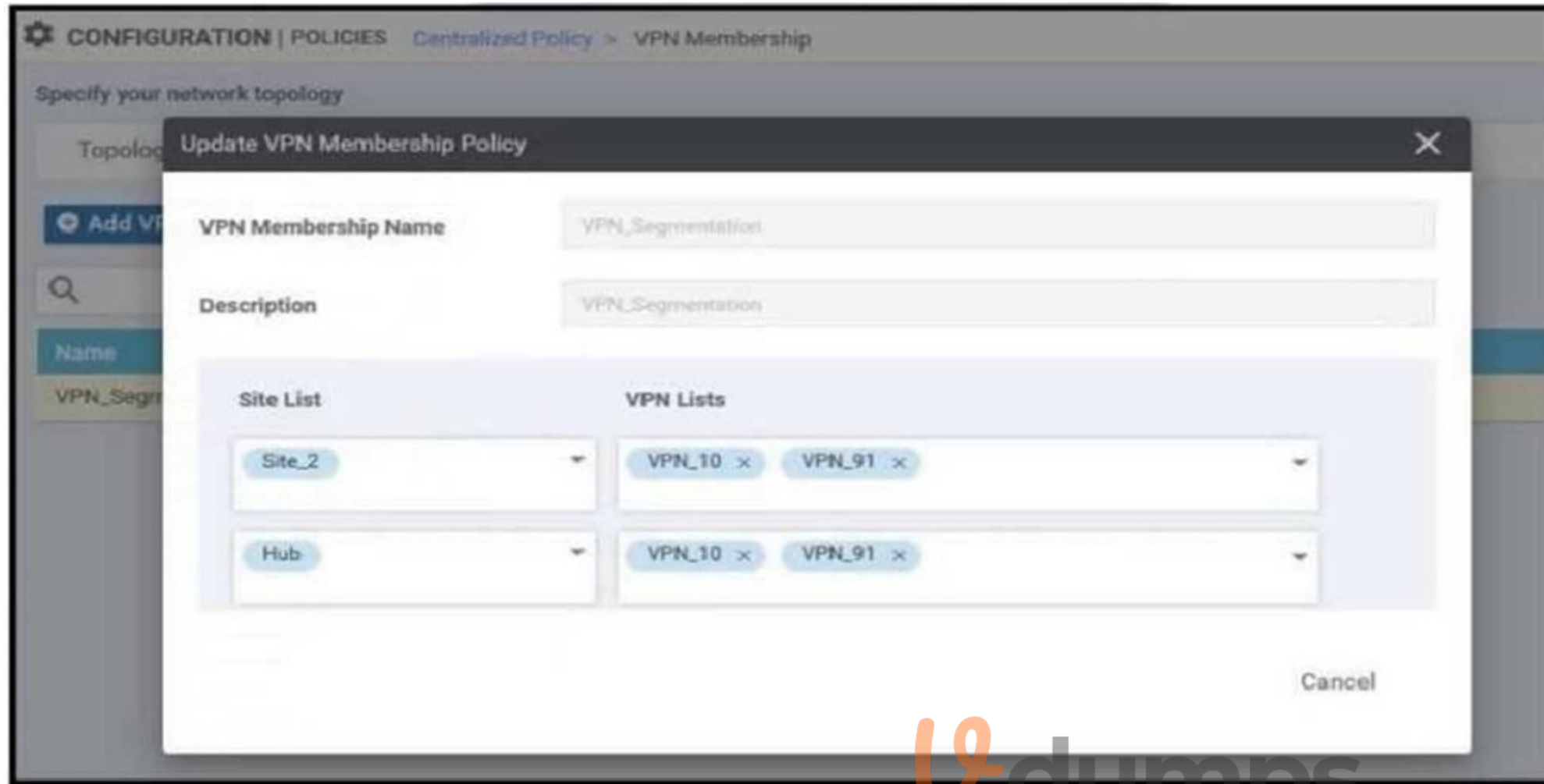
An enterprise has hub and spoke topology where it has several VPNs. An engineer must allow users in VPN91 to reach users in VPN92 and VPN10 to reach VPN91 and VPN92. Which configuration meets these requirements?

A.
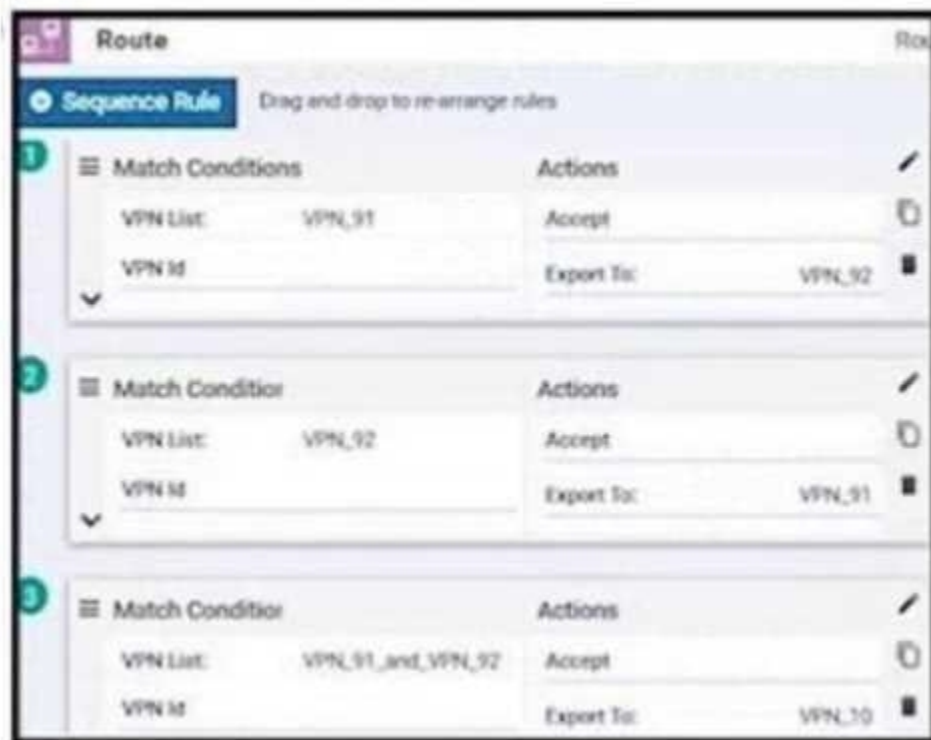
Route

Sequence Rule   Drag and drop to re-arrange rules

1. Match Conditions
   - VPN List: VPN_91
   - VPN Id:

   Actions
   - Accept
   - Export To: VPN_92

2. Match Condition
   - VPN List: VPN_92
   - VPN Id:

   Actions
   - Accept
   - Export To: VPN_91

3. Match Condition
   - VPN List: VPN_91_and_VPN_92
   - VPN Id:

   Actions
   - Accept
   - Export To: VPN_10

B.

C.

D.
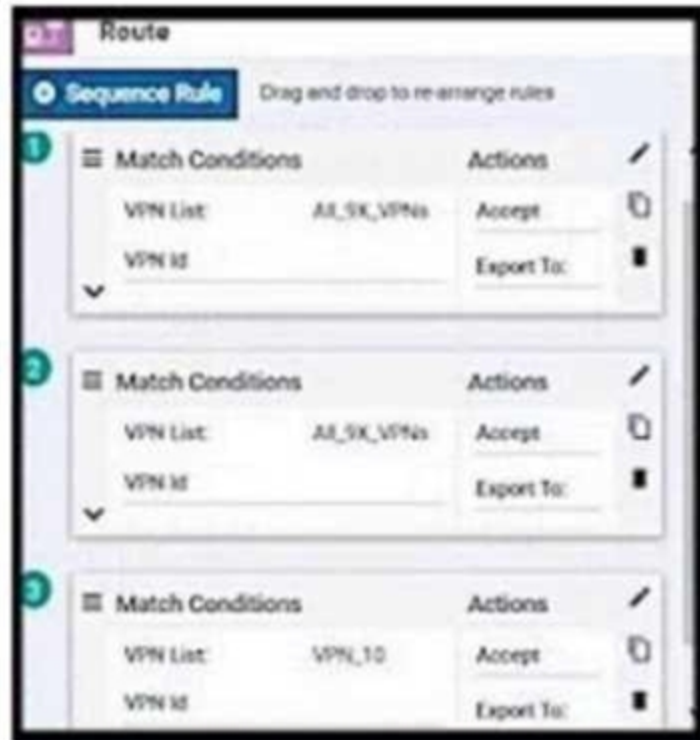
A. Option A

B. Option B

C. Option C

D. Option D

Correct Answer: C
Section:

QUESTION 111
An administrator wants to create a policy to add a traffic policer called "politer-ccnp" to police data traffic on the WAN Edge. Which configuration accomplishes this task in vSmart?

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

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

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

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

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

Correct Answer: B
Section:

QUESTION 112
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

Correct Answer: C
Section:

QUESTION 113
Refer to the exhibit.
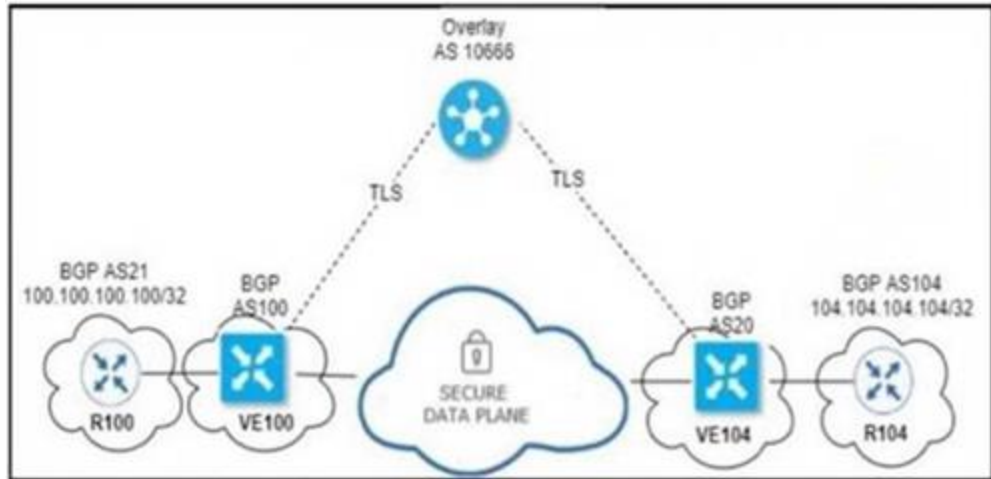
An engineer configured OMP with an overlay-as of 10666. What is the AS-PATH for prefix 104.104.104.104/32 on R100?

A. 100 10666

B. 100 20 104

C. 100 10666 20 104

D. 100 10666 104

Correct Answer: A
Section:

QUESTION 114
Which policy tracks path characteristics such as loss, latency, and jitter in vManage?

A. VPN

B. control

C. app-route

D. data

Correct Answer: C
Section:
Explanation:
https://www.cisco.com/c/en/us/td/docs/routers/sdwan/configuration/policies/ios-xe-17/policiesbook-xe/application-aware-routing.html

QUESTION 115
Refer to the exhibit.

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.

B.

A. Option A

B. Option B

C. Option C

D. Option D

Correct Answer: A
Section:

QUESTION 116
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

Correct Answer: A, C
Section:

QUESTION 117
DRAG DROP
Drag and drop the security terminologies from the left onto the PCI-compliant network features and devices on the right.

Select and Place:

transport security		IPS
perimeter security		zone-based firewall and VPNs
segmentation		IPsec VPN
attack prevention		firewall

Correct Answer:

		attack prevention
		segmentation
		transport security
		perimeter security

Section:
Explanation:

QUESTION 118
What is the threshold to generate a warning alert about CPU or memory usage on a WAN Edge router?

A. 70 to 85 percent
B. 70 to 90 percent
C. 75 to 85 percent
D. 75 to 90 percent

Correct Answer: C
Section:

QUESTION 119
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

Correct Answer: A
Section:

QUESTION 120
An engineer must avoid routing loops on the SD-WAN fabric for routes advertised between data center sites Which BGP loop prevention attribute must be configured on the routers to meet this requirement?

A. same OMP overlay-as on WAN Edge routers of all data centers

B. static routing on al WAN Edge routers instead of BGP

C. same BGP AS between all WAN Edge routers and CE routers

D. same BGP AS between all CE and PE routers

Correct Answer: A
Section:

QUESTION 121
Which protocol advertises WAN edge routes on the service side?

A. EIGRP

B. OSPF

C. BGP

D. ISIS

Correct Answer: B
Section:

QUESTION 122
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

Correct Answer: D
Section:

QUESTION 123
What are the two functions of vSmart? (Choose two)

A. It orchestrates connectivity between WAN Edge routers using policies to create network topology
B. It ensures that valid WAN Edge routers can build the control pane connectivity
C. It uses TLOCs to uniquely identify the circuit interface to control plane and data plane information
D. It validates that the WAN Edge trying to join the overlay is authorized to join.
E. It builds control plane connections with WAN Edge routers us*>g ILS or UILS

Correct Answer: D, E
Section:

QUESTION 124
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

Correct Answer: C, D
Section:

QUESTION 125
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	DCONFAIL

Refer to the exhibit 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

Correct Answer: A
Section:

QUESTION 126
Which encryption algorithm is used for encrypting SD-WAN data plane traffic?

A. Triple DES

B. IPsec

C. AES-128

D. AES-256 GCM

Correct Answer: D
Section:

QUESTION 127
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

Correct Answer: C
Section:

QUESTION 128
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

Correct Answer: A
Section:

QUESTION 129
What are the two impacts of losing vManage connectivity to fabric in the Cisco SD-WAN network? (Choose two)

A. Policy changes propagation stops
B. Statistics collection stops
C. BFD peering between WAN Edge devices are unestablished
D. Creation of templates is impossible
E. IPsec tunnels tear down for WAN Edge devices.

Correct Answer: A, B
Section:

QUESTION 130
Refer to the exhibit
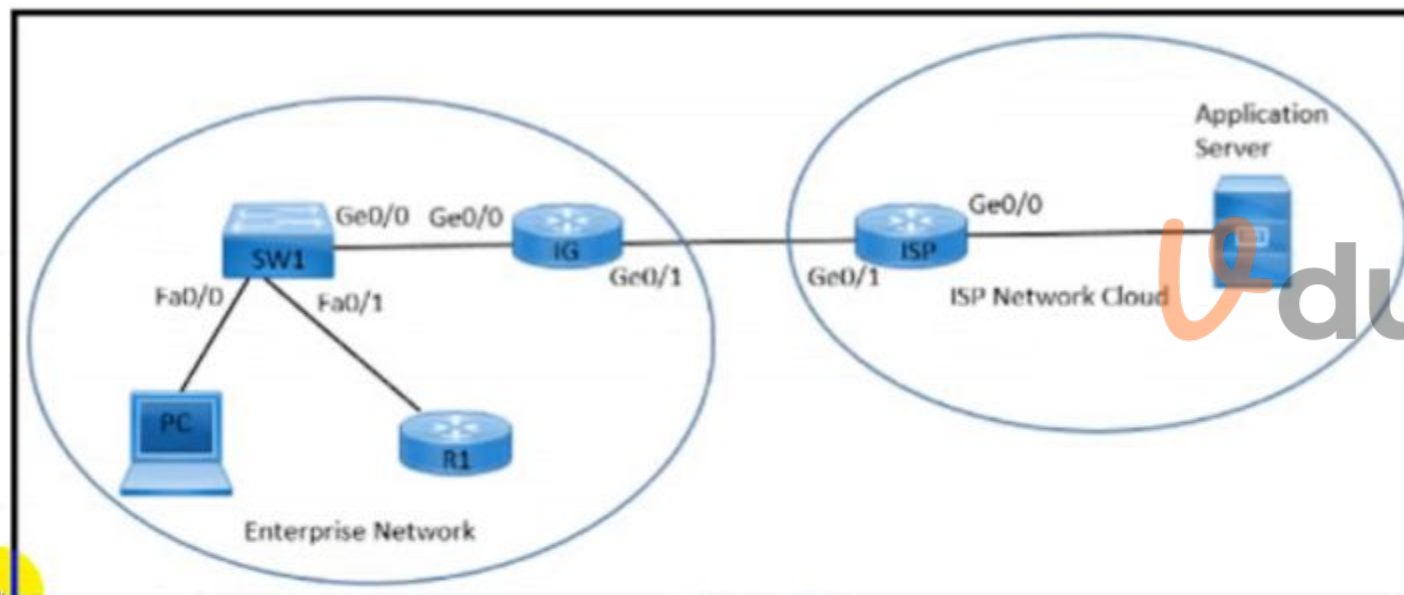
Refer to the exhibit. An enterprise network is connected with an ISP network on an 80 Mbps bandwidth link. The network operation team observes 100 Mbps traffic on the 1Gig-ISP link during peak hours Which configuration provides bandwidth control to avoid traffic congestion during peak hours?
A)

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

B)

```
policy-map SHAPE_MAP
 class class-default
  shape average 80000000
!
interface gigabitethernet 0/1
 description *** TO ISP ***
 ip address 10.0.20.5 255.255.255.0
 service-policy output SHAPE_MAP
```
C)
```
policy-map CUS_PMAP
 class CUS_CMAP
  police 80000000 300000
!
interface gigabitethernet 0/0
 description *** TO ISP ***
 ip address 10.0.20.1 255.255.255.0
 service-policy input CUS_PMAP
```
D)
```
policy-map SHAPE_MAP
 class class-default
  shape average 8000000
!
interface gigabitethernet 0/1
 description *** TO IG rack B455:A882:G718 ***
 ip address 10.0.20.5 255.255.255.0
```

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

Correct Answer: B
Section:

QUESTION 131
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

Correct Answer: C
Section:

QUESTION 132
Refer to the exhibit
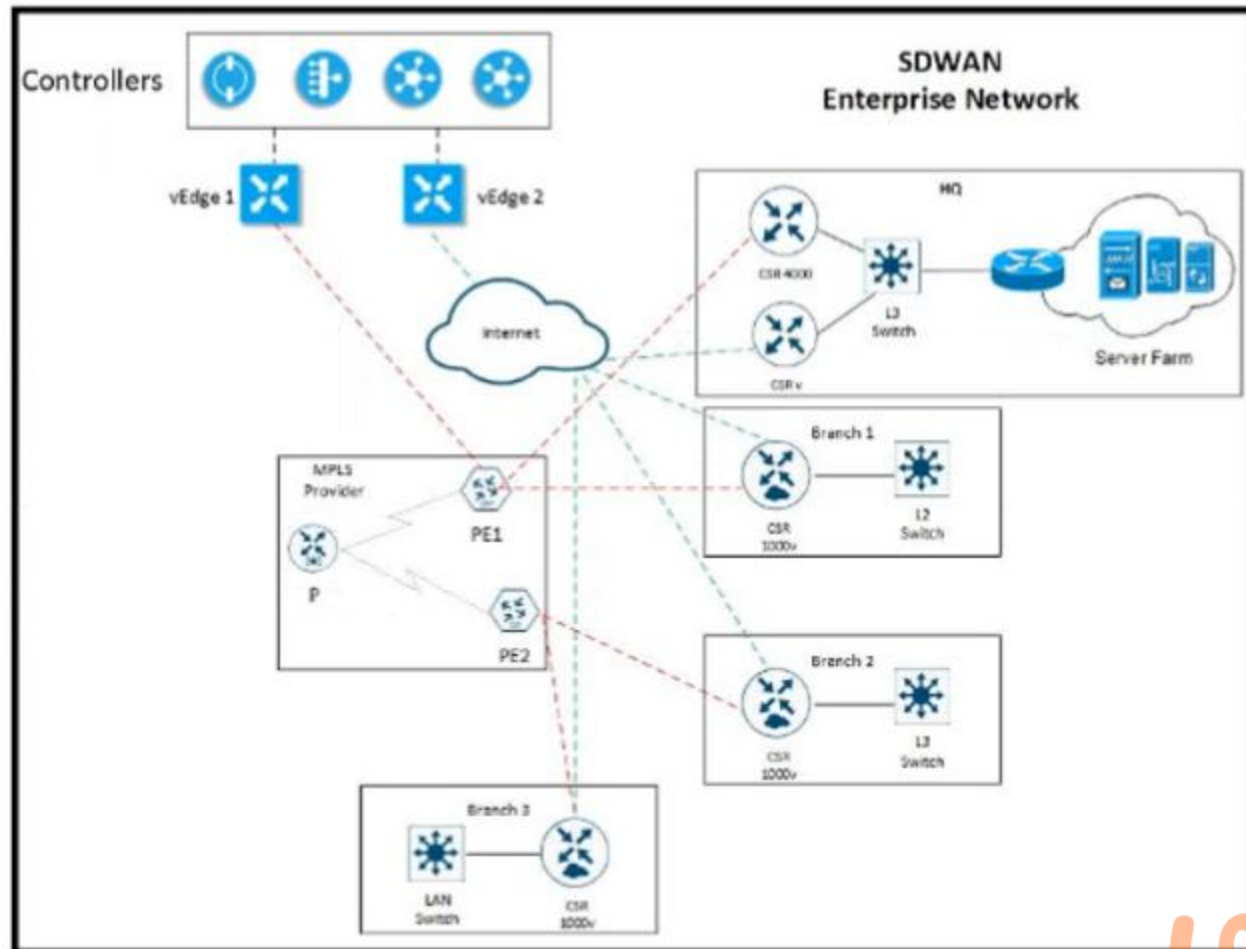
Refer to the exhibit The network team must configure El GRP peering at HQ with devices in the service VPN connected to WAN Edge CSRv. CSRv is currently configured with

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

omp
  no shutdown
  graceful-restart
```

Which configuration on the WAN Edge meets the requirement?

A)

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

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

vpn 512
interface eth0
  shutdown
```

B)

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

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

vpn 512
interface eth0
  shutdown
```

C)

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

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

interface ge0/1
  ip address 10.0.0.1/28

vpn 512
interface eth0
  shutdown
```

D)

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

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

interface ge0/1
  ip address 10.0.0.1/28

vpn 512
interface eth0
  shutdown
```

A. Option A

B. Option B

C. Option C

D. Option D

Correct Answer: C
Section:

QUESTION 133
What is the order of operations for software upgrades of Cisco SD-WAN nodes'?

A. vBond vManage vSmart WAN Edge

B. vManage vBond WAN Edge. vSmart

C. vManage vSmart, vBond, WAN Edge

D. vManage vBond vSraart WAN Edge

Correct Answer: D
Section:

QUESTION 134
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

Correct Answer: D
Section:

QUESTION 135
Which device should be configured with the service chain IP address to route intersite traffic through a firewall?

A. vSmart
B. firewall
C. spoke WAN Edge
D. hub WAREdge

Correct Answer: A
Section:

QUESTION 136
Which type of connection is created between a host VNet and a transit VNet when configuring Cloud OnRamp for IaaS?

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

Correct Answer: C
Section:

QUESTION 137
How do WAN Edge devices operate when vSmart is inaccessible or fails to be reached by the WAN Edge?

A. They cease to forward traffic in the data plane.
B. They continue operation normally.
C. They continue to receive reachability updates.
D. They continue operating normally for a configurable time.

Correct Answer: D
Section:

QUESTION 138
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

Correct Answer: A
Section:

QUESTION 139
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

Correct Answer: D
Section:

QUESTION 140
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

Correct Answer: D
Section:

QUESTION 141
Refer to the exhibit
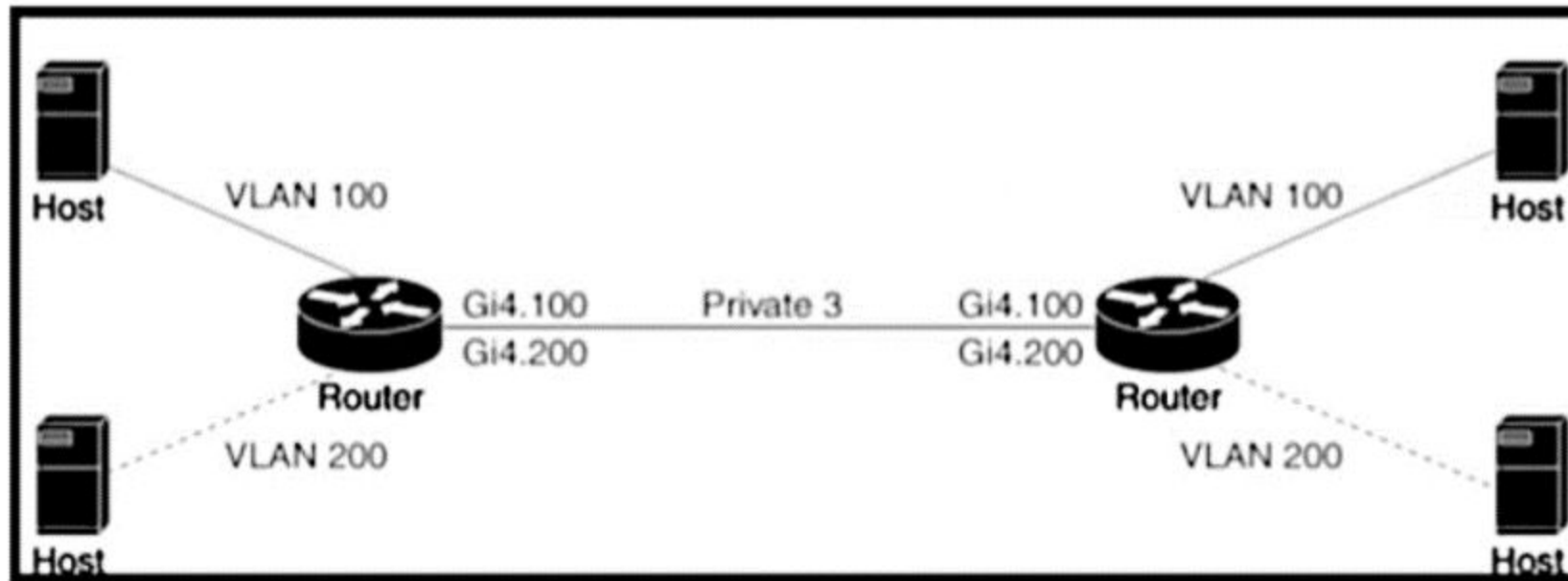
Refer to the exhibit An engineer is configuring a QoS policy to shape traffic for VLAN 100 on a subinterface Which policy configuration accomplishes the task?

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

Correct Answer: C
Section:

QUESTION 142
The Cisco SD-WAN engineer is configuring service chaining for a next-generation firewall located at the headquarters. Which configuration creates the service?
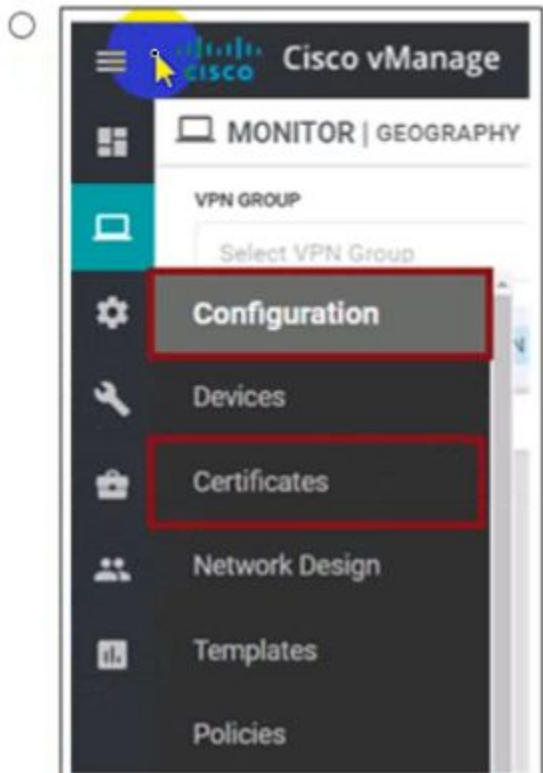
A)
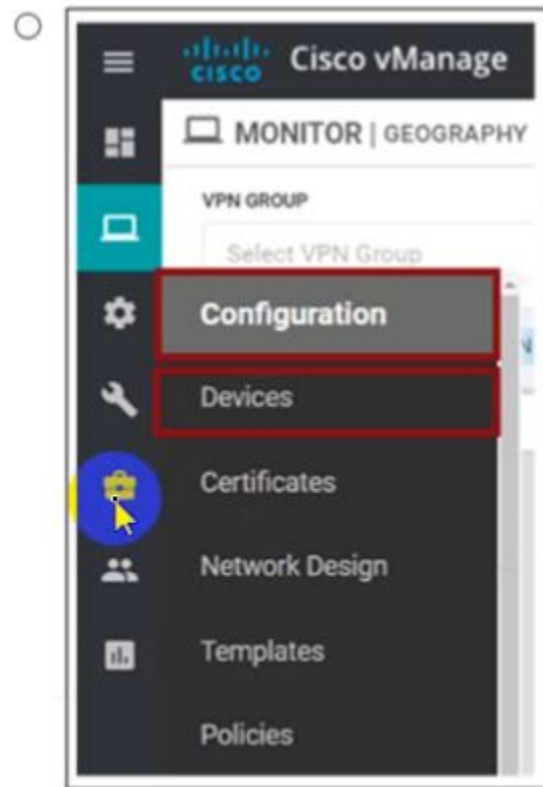
B)
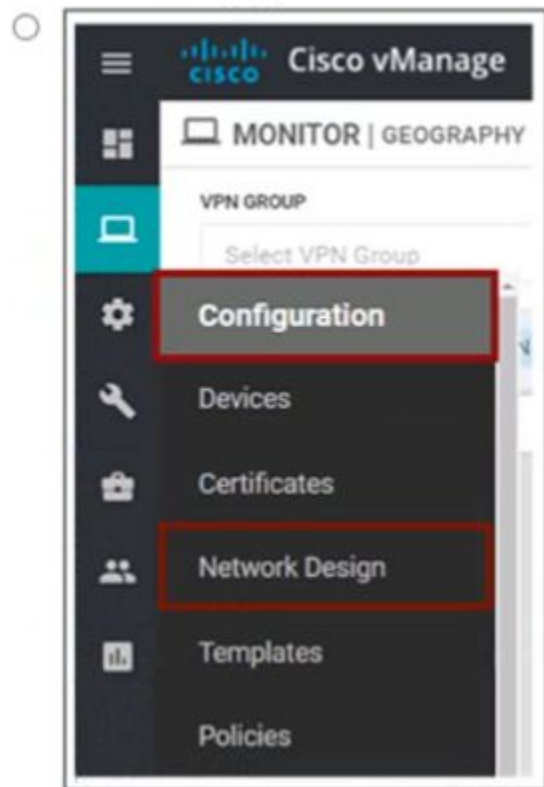
D)
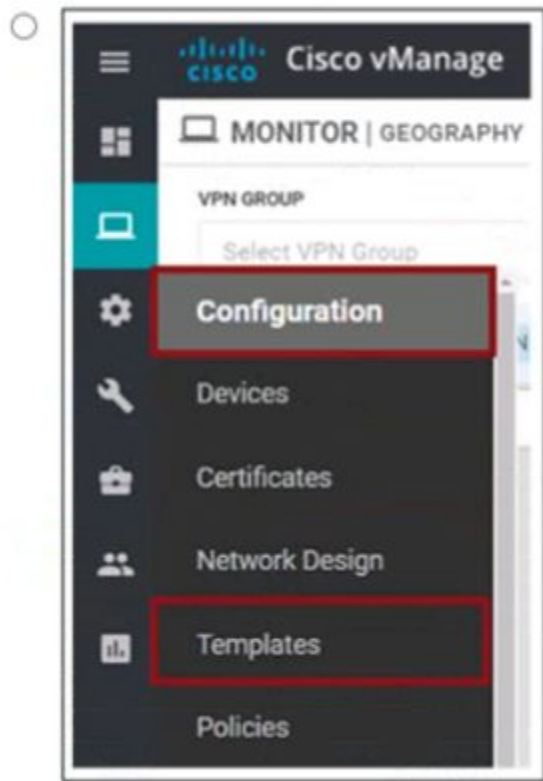
A. Option A
B. Option B
C. Option C
D. Option D

Correct Answer: C
Section:

QUESTION 143
Refer to the exhibit

SD-WAN Controllers (Cisco Hosted)

Internet

NAT
Router

L2
Switch

Edge-1   Edge-2
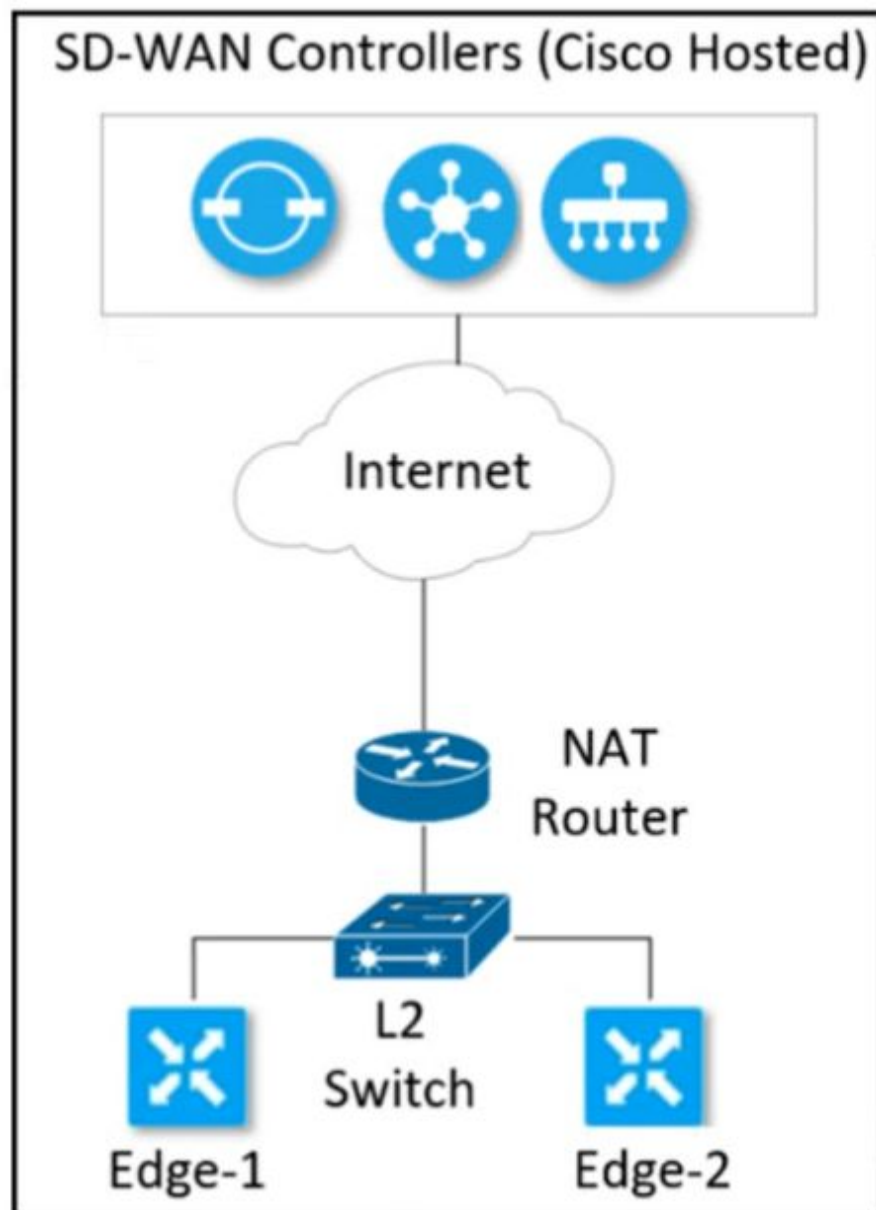
Refer to the exhibit Which configuration must the engineer use to form underlay connectivity for the Cisco SD-WAN network?
A)

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

Correct Answer: C
Section:

QUESTION 144
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

Correct Answer: A
Section:

QUESTION 145
After deploying Cisco SD-WAN the company realized that by default, all sites built direct IPsec VPN tunnels to each other In their previous topology all spoke sites used the head office as their next hop for the LAN segment that belongs to network 40.0.0.0/16 The company wants to deploy its previous policy, which allows the 40.0.0.0/16 network that originates at the hub to advertise to the spokes. Which configuration meets the requirement'?

A)

B)

C)

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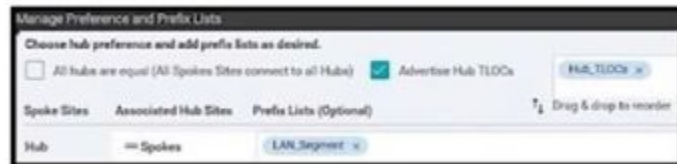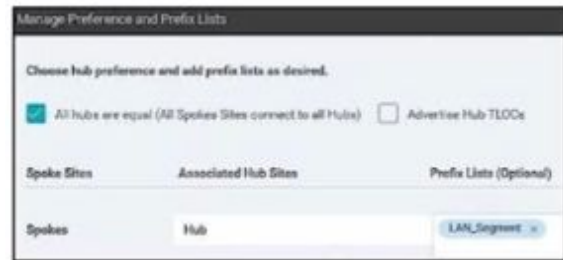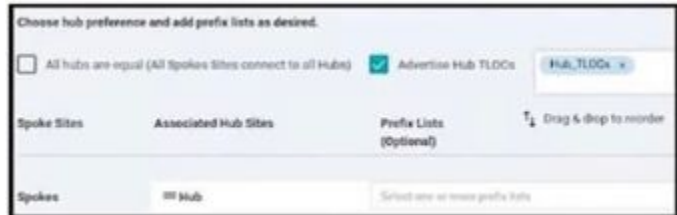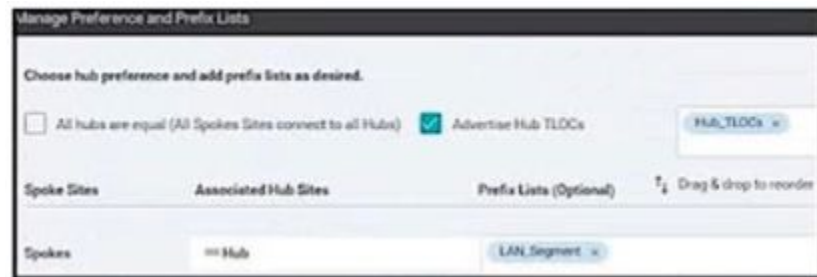
A. Option A
B. Option B
C. Option C
D. Option D

Correct Answer: D
Section:

QUESTION 146

An engineer configures an application-aware routing policy for a group of sites The locations depend on public and private transports The policy does not work as expected when one of the transports does not perform properly This policy is configured:

```
policy
 sla-class BULK_DATA
  loss   20
  latency 300
  jitter  100
 !
 sla-class TRANSACTIONAL_DATA
  loss   15
  latency 50
  jitter  100
 !
 sla-class REALTIME
  loss   20
  latency 100
  jitter  30
 !
 app-route-policy VPN-10_MPLS_AND_INET_SITES
  vpn-list VPN-10
   sequence 1
    match
     dscp 46
    !
    action
     backup-sla-preferred-color biz-internet
     sla-class REALTIME preferred-color private1
    !
   !
   sequence 11
    match
     dscp 34
    !
    action
     backup-sla-preferred-color biz-internet
     sla-class TRANSACTIONAL_DATA preferred-color private1
    !
   !
```

which configuration completes the policy so that it works for all locations?

A)

```
sla-class TRANSACTIONAL_DATA
 loss   5
 latency 50
 jitter  100
!
sla-class REALTIME
 loss   2
 latency 100
 jitter  30
!
```

B)

```
sla-class TRANSACTIONAL_DATA
 loss   2
 latency 100
 jitter 30
!
sla-class REALTIME
 loss   15
 latency 100
 jitter  100
!
```

C)
```
sla-class BULK_DATA
 loss   10
 latency 300
 jitter 100
!
sla-class REALTIME
 loss   2
 latency 100
 jitter  30
!
```

D)
```
sla-class BULK_DATA
 loss   15
 latency 100
 jitter  100
!
sla-class TRANSACTIONAL_DATA
 loss   10
 latency 300
 jitter 100
!
```
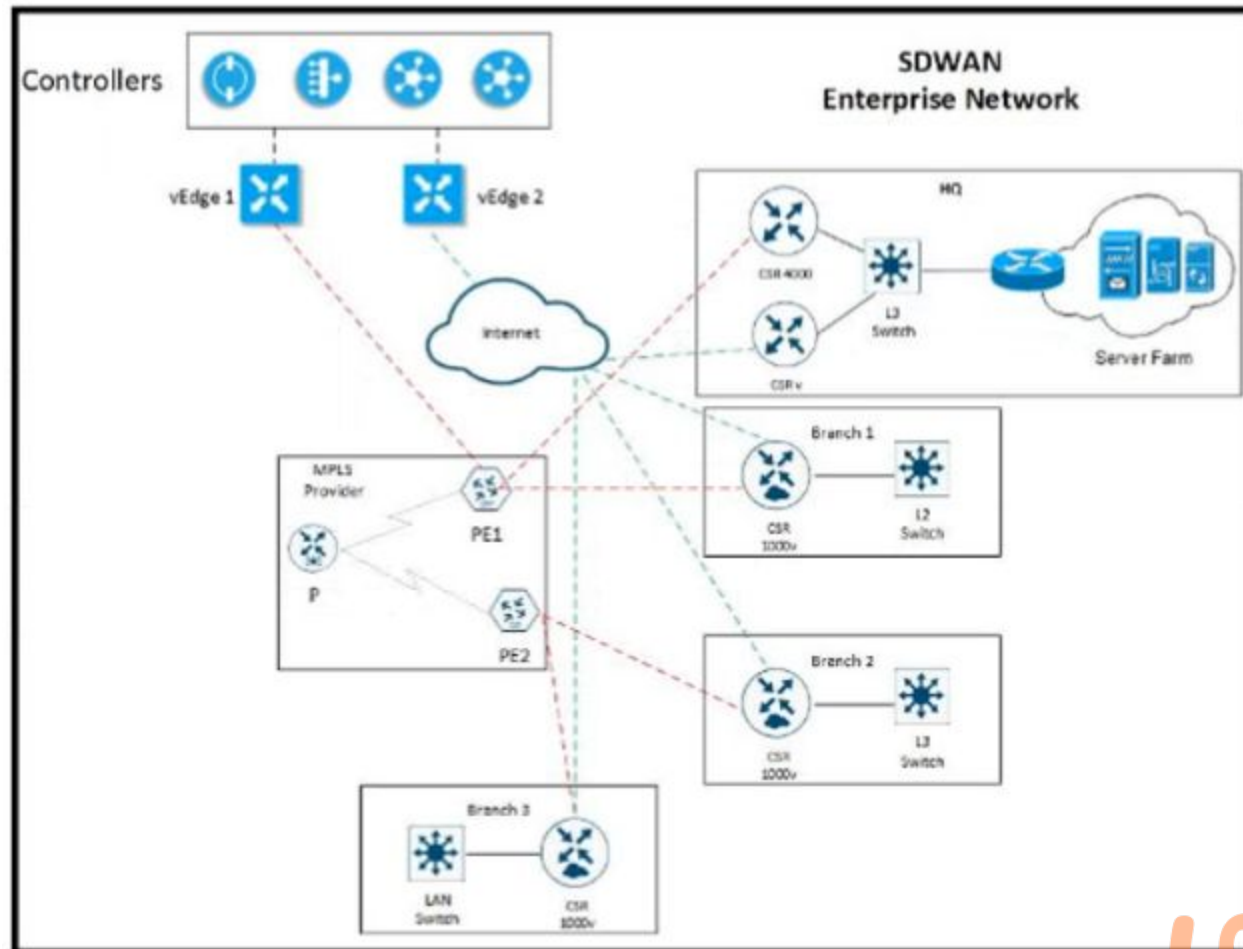
A. Option A
B. Option B
C. Option C
D. Option D

Correct Answer: A
Section:

QUESTION 147
Refer to the exhibit

Refer to the exhibit The network team must configure ElGRP 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

Correct Answer: C
Section:

QUESTION 148
An engineer configured a data policy called ROME-POLICY. Which configuration allows traffic flow from the Rome internal network toward other sites?

A. apply-policy site-list Rome data-policy ROME-POLICY from-tunnel

B. apply-policy site-list Rome data-policy ROME-POLICY from-service
C. site-list Rome control-policy ROME-POLICY in
D. site-list Rome control-policy ROME-POLICY out

Correct Answer: A
Section:

QUESTION 149
DRAG DROP
Drag and drop the steps from the left Into the order on the right to delete a software image for a WAN Edge router starting with Maintenance > Software Upgrade > Device list on vManage.

Select and Place:

Click delete available software.	step 1
Click the checkbox next to the WAN Edge device.	step 2
Click WAN Edge in the title bar.	step 3
Select the version to delete and click delete.	step 4

Correct Answer:

	Click WAN Edge in the title bar.
	Click the checkbox next to the WAN Edge device.
	Click delete available software.
	Select the version to delete and click delete.

Section:
Explanation:

QUESTION 150
Which two resource data types are used to collect information for monitoring using REST API in Cisco SD-WAN? (Choose two.)

A. POST

B. DELETE

C. scalar

D. array

E. PUT

Correct Answer: C, D
Section:

QUESTION 151
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

Correct Answer: C
Section:

QUESTION 152
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

Correct Answer: C
Section:

QUESTION 153
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

Correct Answer: B
Section:

QUESTION 154
What are two benefits of installing Cisco SD-WAN controllers on cloud-hosted services? (Choose two.)

A. utilizes well-known cloud services such as Azure. AWS. and GCP
B. accelerates Cisco SD-WAN deployment
C. allows integration of the WAN Edge devices In the cloud
D. installs the controllers in two cloud regions in a primary and backup setup
E. automatically Implements zone-based firewalling on the controllers

Correct Answer: B, D
Section:

QUESTION 155
Which protocol Is used by the REST API to communicate with network services in the Cisco SO-WAN network?

A. SSL
B. HTTP
C. iPsec
D. SSM

Correct Answer: B
Section:

QUESTION 156
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

Correct Answer: C
Section:

QUESTION 157
What is the OMP graceful restart default value on vSmart controllers and WAN Edge routers?

A. 21,600 seconds
B. 43,200 seconds
C. 86,400 seconds
D. 604,800 seconds

Correct Answer: B
Section:

QUESTION 158
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.

Correct Answer: A
Section:

QUESTION 159
How is lhe software managed in Cisco SD-WAN?

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

Correct Answer: A
Section:

QUESTION 160
Which website allows access to visualize the geography screen from vManager using the internet?

A. *.opcnstreetmaps.org
B. *.fullstreetmaps.org
C. *.callstreelmaps.org
D. *.globaistreetmaps.org

Correct Answer: A
Section:

QUESTION 161
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

Correct Answer: C
Section:

QUESTION 162
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)
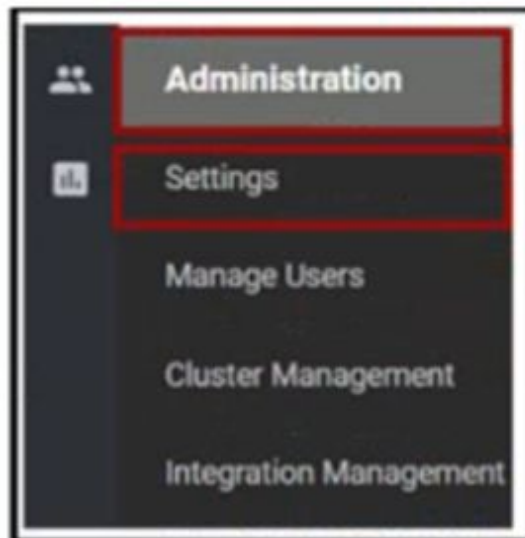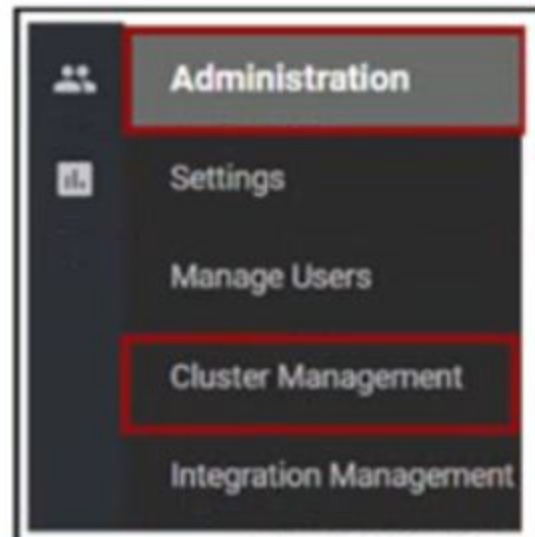
A. Option A

B. Option B

C. Option C

D. Option D

Correct Answer: B
Section:

QUESTION 163
Which protocol detects path status (up/down), measures loss/latency/jitter, and measures the quality of the IPsec tunnel MTU?

A. OMP

B. IP-SLA

C. BFD

D. DTLS

Correct Answer: C
Section:

QUESTION 164
What is the maximum number of IPsec that are temporarily created and converged on a new set if IPsec Sas in the pairwise keys process during a simultaneous rekey?

A. 2

B. 4

C. 6

D. 8

Correct Answer: B
Section:

QUESTION 165
An engineer must configure local redundancy on a site. Which configuration accomplish this task?

A. vpn 0 interface interface-name

B. tloc extension interlace name tloc extension interface interface name

C. vpn 0 tloc extension interface

D. interface-flame interface interface-name tloc-extension

Correct Answer: A
Section:

QUESTION 166
Which type of policy must be applied on a WAN Edge application-aware firewall to control traffic between two or more VPNs?

A. service-insertion policy

B. data policy

C. firewall policy

D. control policy

Correct Answer: C
Section:

QUESTION 167
Refer to the exhibit

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

A. Rectify the Rod CA certificate mismatch on WAN Edge devices

B. Install the bootstrap code on WAN Edge and check for CSR

C. Send the serial number to vBond from the vManage controller.

D. Resolve the ZTP reachability and rectify smart account credentials issue

Correct Answer: C
Section:

QUESTION 168
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

Correct Answer: D
Section:

QUESTION 169

Which SD-WAN component allows an administrator to manage and store software images for SD-WAN network elements?

A. vGond controllers
B. WAN Edge routers
C. vSman controllers
D. vManage NMS

Correct Answer: D
Section:

QUESTION 170

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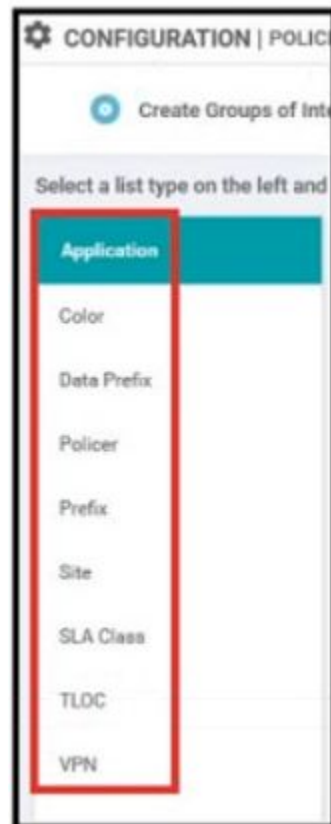
A. cloud-qos-service-side
B. qos-scheduler QOS_0
C. qos-map QOS
D. rewrite-rule QOS-REWRITE

Correct Answer: C
Section:

QUESTION 171
Refer to the exhibit

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 VPN. Prefix

B. Data Prefix, Site VPN TLOC

C. Application, SLA VPN. Prefix

D. Color, SLA Class, Sue, VPN

Correct Answer: A
Section:

QUESTION 172
Which two different states of a WAN Edge certificate are shown on vManage? (Choose two.)

A. inactive

B. active

C. staging

D. invalid

E. provisioned

Correct Answer: B, E
Section:

QUESTION 173
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 Seal 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

Correct Answer: B, E
Section:

QUESTION 174
Which protocol runs between the vSmart controllers and WAN Edge routers when the vSmart controller acts like a route reflector?

A. OMP outside the DTLS/TLS control connection

B. BGP inside the DTLS/TLS

C. IPsec inside the DTLS/TLS control connection

D. OMP inside the DTLS/TLS control connection

Correct Answer: D
Section:

QUESTION 175
Which type of certificate is installed on vManage for a user to access vManage via a web browser?
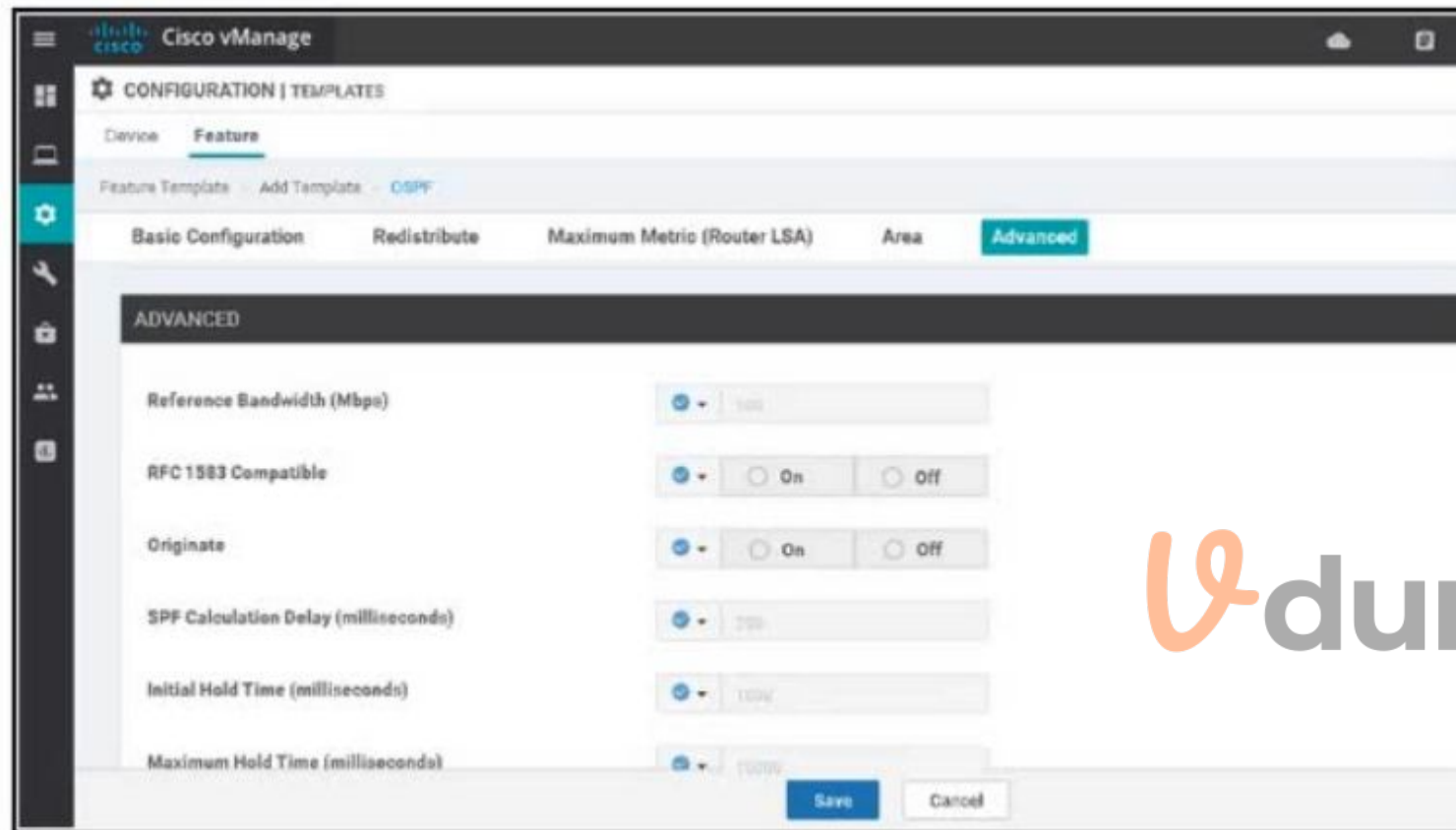
A. Controller Certificate

B. Web Server Certificate

C. WAN Edge Certificate

D. SD-AVC Certificate

Correct Answer: B
Section:

QUESTION 176
Refer to the exhibit

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

Correct Answer: C
Section:

QUESTION 177
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

Correct Answer: A
Section:

QUESTION 178
Refer to the exhibit

PEER TYPE	PEER PROTOCOL	PEER SYSTEM IP	SITE ID	DOMAIN ID	PEER PRIVATE IP	PEER PRIVATE PORT	PEER PUBLIC IP	PEER PUBLIC PORT	LOCAL COLOR	STATE	ERROR	ERROR	LOCAL COUNT
vsmart	dtls	10.1.1.8	1	0	1.1.1.1	12447	1.1.1.1	12447	gold	up	LISFD	NOERR	45
vmanage	dtls	10.1.1.7	1	1	2.2.2.2	12647	2.2.2.2	12647	gold	up	LISFD	NOERR	70
vmanage	dtls	10.1.1.7	1	1	2.2.2.2	12747	2.2.2.2	12867	gold	up	LISFD	NOERR	69

A. Recover the vManage controller that is down m a high availability cluster

B. Change the system IP or restart the VWN Edge 4 the system IP is changed

C. Remove IP duplication in the network and configure a unique IP address

D. Recover vBond or wart for the controller to reload which could be caused by a reset

Correct Answer: C
Section:

QUESTION 179
Which platform is a Cisco SD-WAN virtual platform?

A. Cisco ISR 4000

B. Cisco Nexus 1000V

C. Cisco CSR 1000V

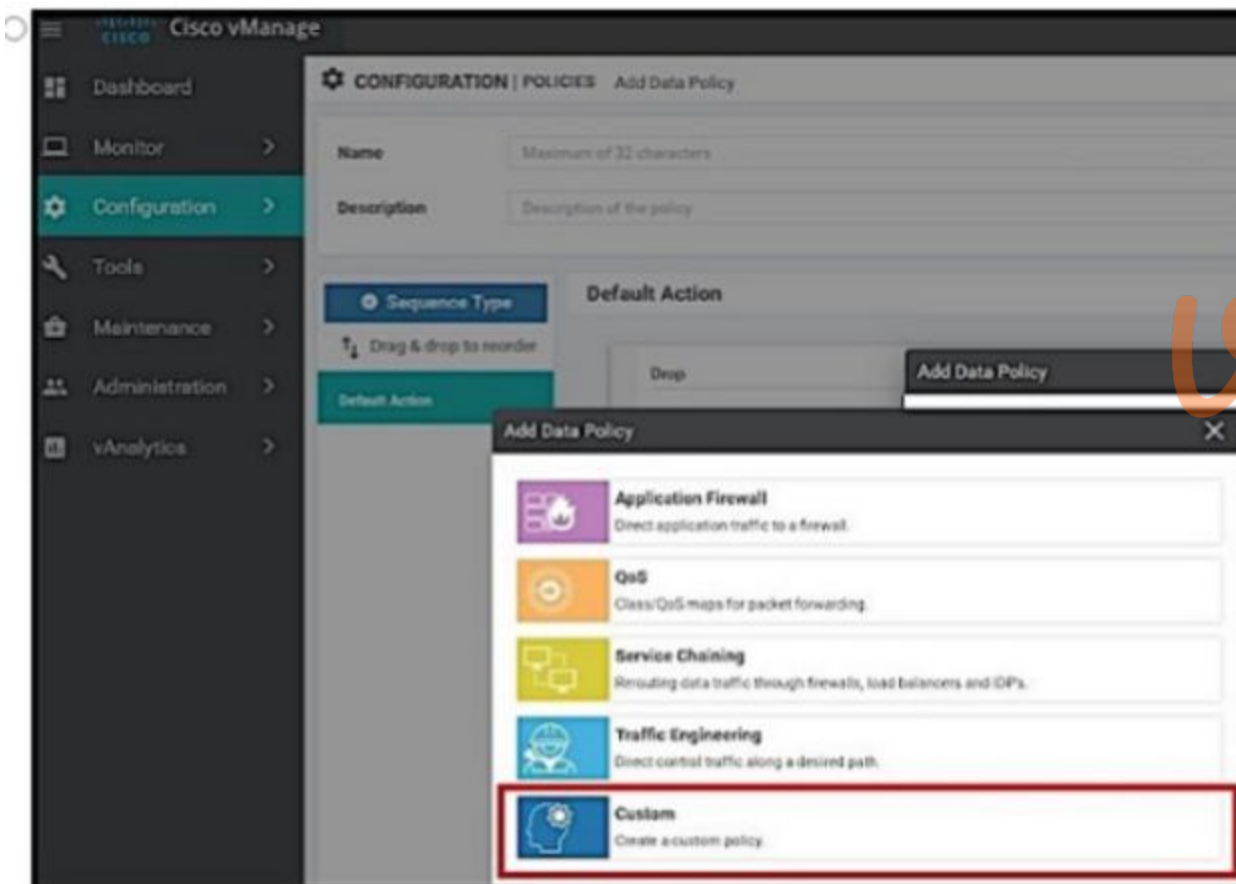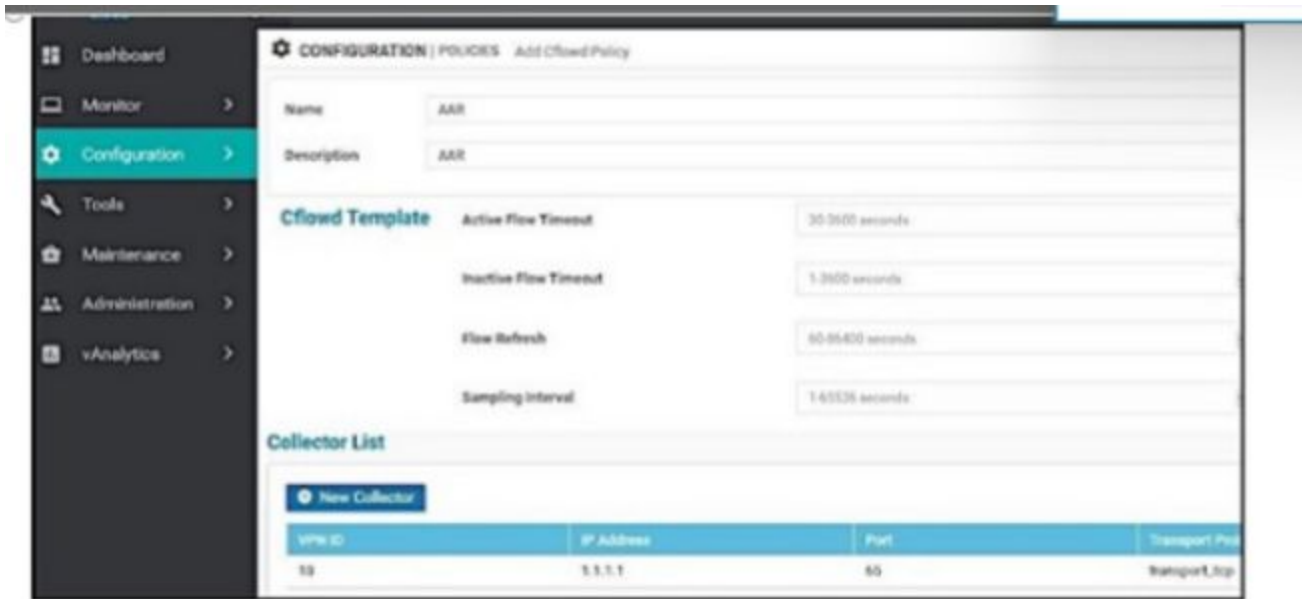D. Cisco ASR 1000

Correct Answer: C
Section:

QUESTION 180
An organization wants to discover monitor and track the applications running on the WAN Edge device on the LAN Which configuration achieves this goal?
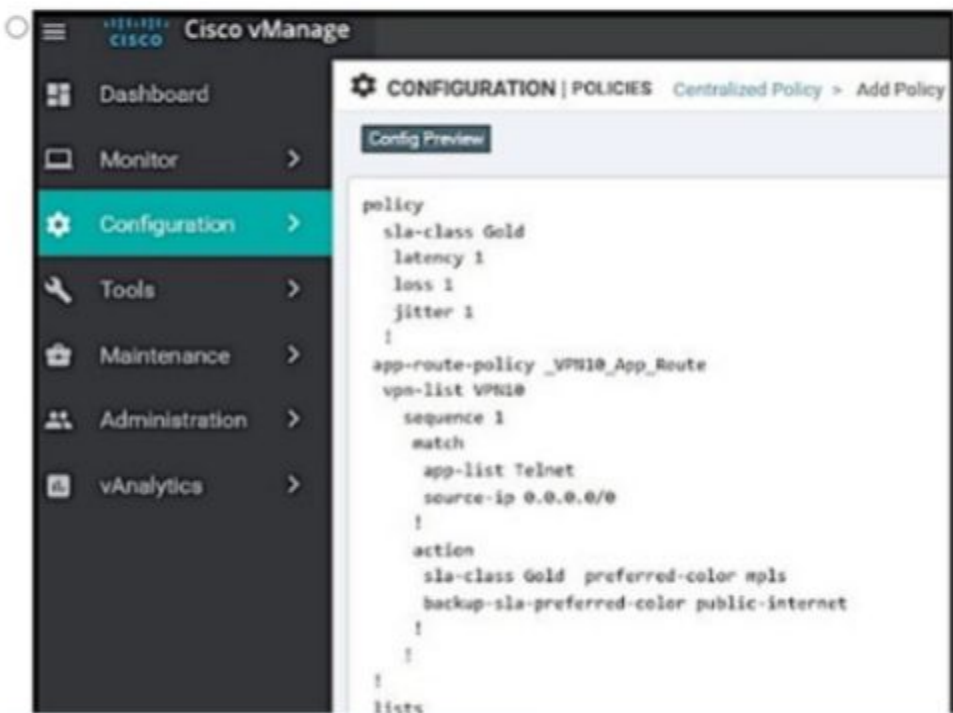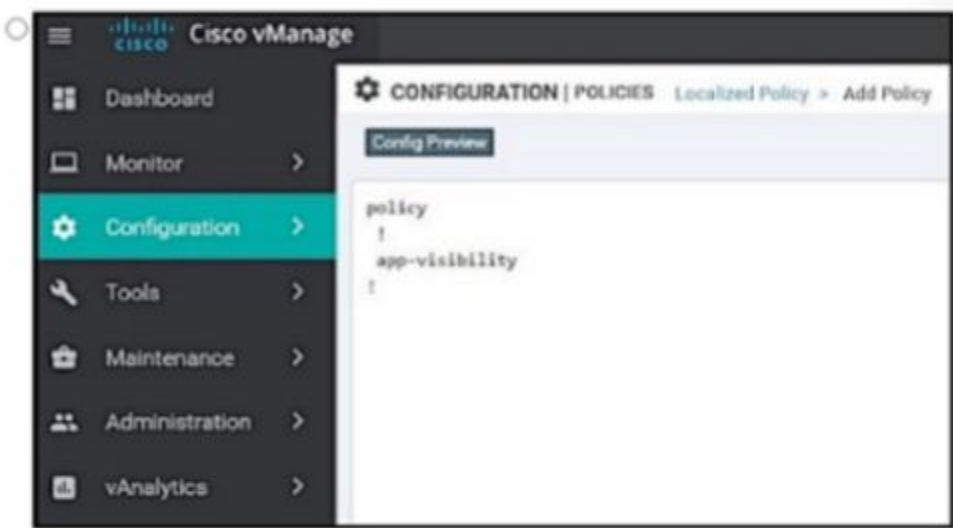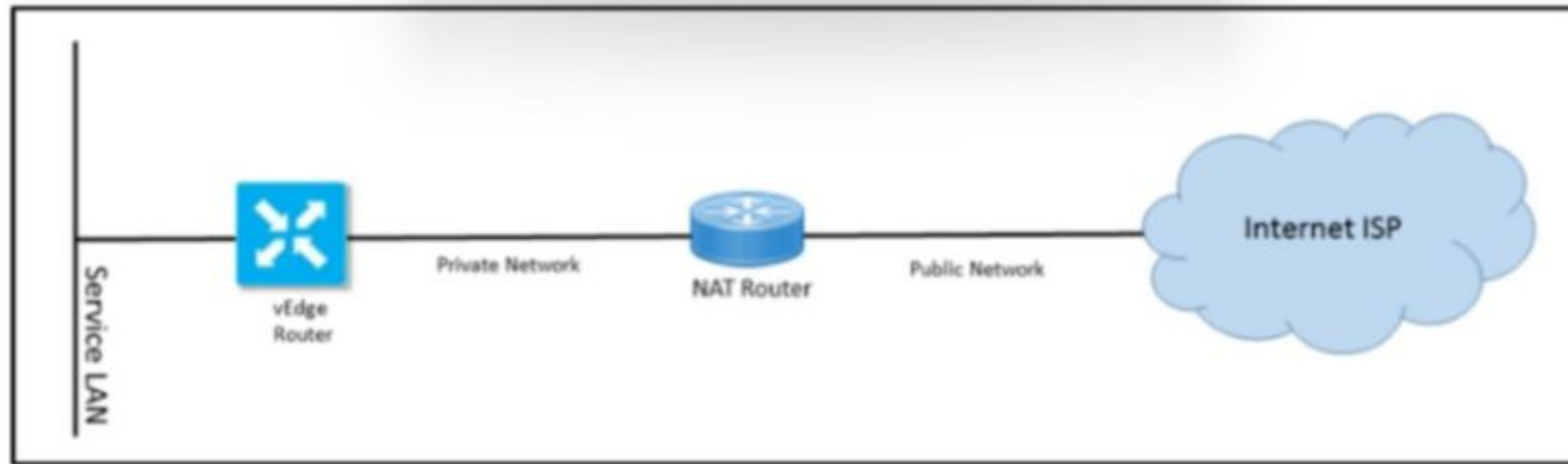
A. Option A
B. Option B
C. Option C
D. Option D

Correct Answer: B
Section:

QUESTION 181

Refer to the exhibit

Refer to the exhibit Which NAT types must the engineer configure for the vEdge router to bring up the data plane tunnels?

A. Enable Full Cone NAT on the vEdge interface
B. Use public color on the TLOC
C. Use private color on the TLOC
D. Enable Symmetric MAT on the vEdge interface

Correct Answer: A
Section:

QUESTION 182
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

Refer to the exhibit The engineering must assign tags to 3 Of its 74 server networks as soon as they are advertised to peers These server network must not be advertised AS which configuration fulfil the requirement?

A)

```
policy
 route-policy eBGP_Community_Policy
   sequence 1
    match
     address Community_Prefix
    action accept
     set
      community 999:65000 no-advertise
  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 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
```

C)

```
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
```

D)

```
policy
 route-policy eBGP_Community_Policy
   sequence 1
    match
     address Community_Prefix
    action accept
    set
     community 999:65000 no-advertise
   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

Correct Answer: D
Section:

QUESTION 183

Which actions must be taken to allow certain departments to require firewall protection when interacting with data center network without including other departments? (Choose two.)
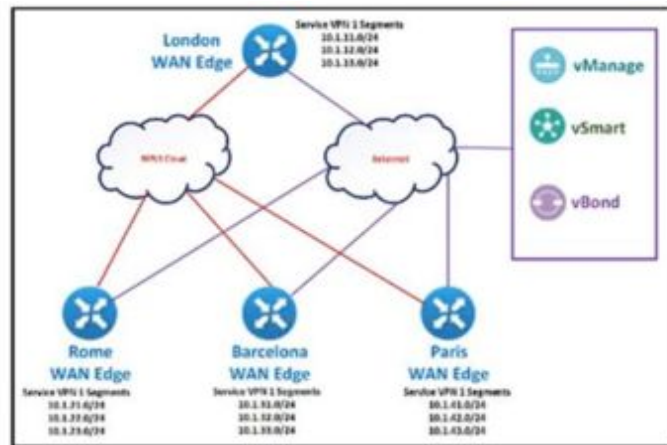
A. Use classification policing and marking
B. Apply data policies at vEdge.
C. Deploy a service-chained firewall service per VPN
D. The regional hub advertises the availability of the firewall service
E. Advertise lo vSmart controllers

Correct Answer: C, D
Section:

QUESTION 184
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)

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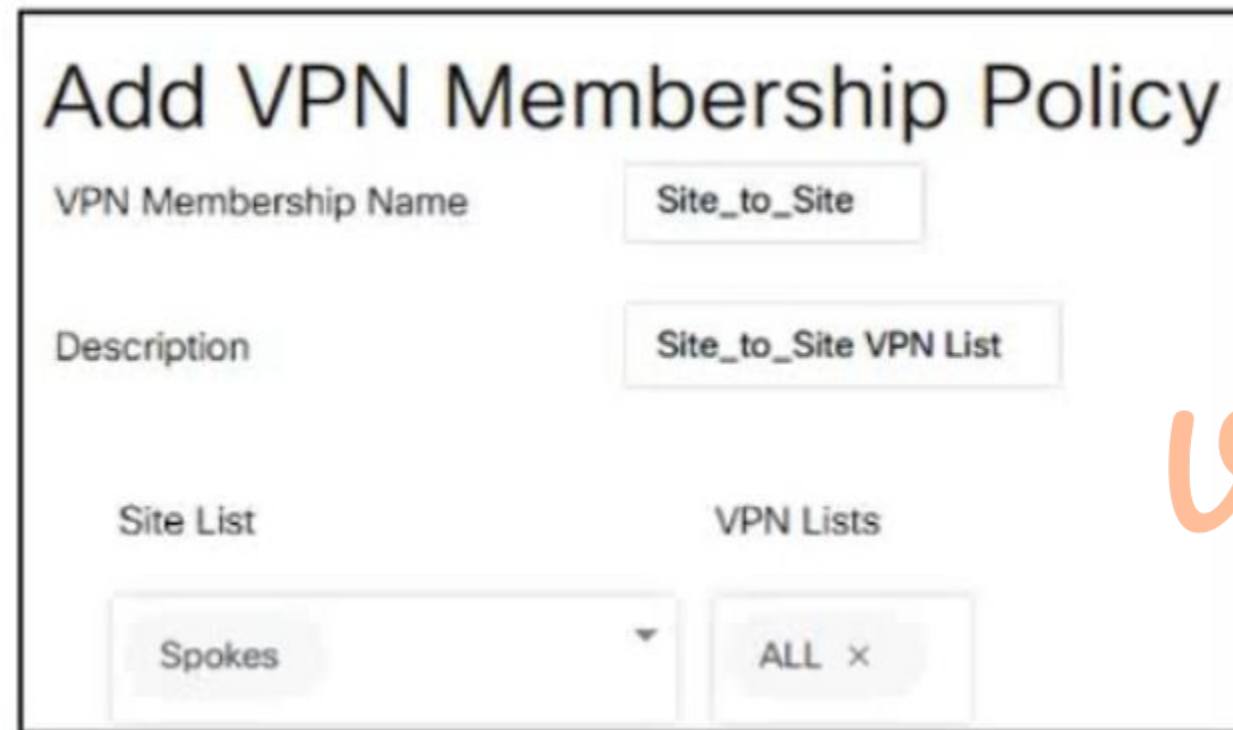
A. Option A
B. Option B
C. Option C
D. Option D

Correct Answer: C
Section:

QUESTION 185
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

Correct Answer: D
Section:

QUESTION 186
What is the default value for the Multiplier field of the BFD basic configuration in vManage?

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

Correct Answer: D
Section: