



Actual exam question from Cisco's 300-415

Question #: 1

Topic #: 1

[\[All 300-415 Questions\]](#)

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. vSmart
- C. vManage
- D. vBond

[Show Suggested Answer](#)





Actual exam question from Cisco's 300-415

Question #: 2

Topic #: 1

[\[All 300-415 Questions\]](#)

Which two hardware platforms support Cisco IOS XE SD-WAN images? (Choose two.)

- A. ISR4000 series
- B. ISR9300 series
- C. vEdge-1000 series
- D. ASR9000 series
- E. ASR1000 series

Show Suggested Answer





Actual exam question from Cisco's 300-415

Question #: 3

Topic #: 1

[\[All 300-415 Questions\]](#)

What is a default protocol for control plane connection?

- A. HTTPS
- B. TLS
- C. IPsec
- D. DTLS

Show Suggested Answer



Actual exam question from Cisco's 300-415

Question #: 4

Topic #: 1

[\[All 300-415 Questions\]](#)

DRAG DROP -

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

Select and Place:

vSmart

vManage

vEdge

vBond

establishes a secured data plane

first point of authentication

single pane of glass

enforces control policies

Show Suggested Answer





Actual exam question from Cisco's 300-415

Question #: 5

Topic #: 1

[\[All 300-415 Questions\]](#)

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

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

Show Suggested Answer





Actual exam question from Cisco's 300-415

Question #: 6

Topic #: 1

[\[All 300-415 Questions\]](#)

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

- A. ISR 1101
- B. ASR 1001
- C. CSR 1000v
- D. vEdge 2000

Show Suggested Answer





Actual exam question from Cisco's 300-415

Question #: 7

Topic #: 1

[\[All 300-415 Questions\]](#)

Hostname	State	System IP	Reachability	Site ID	Device Model	BFD	Control
BR1-VEEDGE1		10.3.0.1	reachable	300	vEdge Cloud	8	5

Refer to the exhibit. What does the BFD value of 8 represent?

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

Show Suggested Answer





Actual exam question from Cisco's 300-415

Question #: 8

Topic #: 1

[\[All 300-415 Questions\]](#)

A network administrator is bringing up one WAN Edge router for branch connectivity. Which types of tunnels form when the WAN edge router connects to the Cisco SD-WAN fabric?

- A. DTLS or TLS tunnel with vSmart controller and IPsec tunnel with vBond controller
- B. DTLS or TLS tunnel with vBond controller and IPsec tunnel with vManage controller
- C. DTLS or TLS tunnel with vBond controller and IPsec tunnel with other WAN Edge routers
- D. DTLS or TLS tunnel with vSmart controller and IPsec tunnel with other WAN Edge routers

Show Suggested Answer





Actual exam question from Cisco's 300-415

Question #: 9

Topic #: 1

[\[All 300-415 Questions\]](#)

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

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

Show Suggested Answer





Actual exam question from Cisco's 300-415

Question #: 10

Topic #: 1

[\[All 300-415 Questions\]](#)

Which port is used for vBond under controller certificates if no alternate port is configured?

- A. 12344
- B. 12345
- C. 12347
- D. 12346

Show Suggested Answer



Actual exam question from Cisco's 300-415

Question #: 11

Topic #: 1

[\[All 300-415 Questions\]](#)

In the Cisco SD-WAN solution, vSmart controller is responsible for which two actions? (Choose two.)

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

Show Suggested Answer





Actual exam question from Cisco's 300-415

Question #: 12

Topic #: 1

[\[All 300-415 Questions\]](#)

When a WAN Edge device joins the Cisco SD-WAN overlay, which Cisco SD-WAN component orchestrates the connection between the WAN Edge device and a vSmart controller?

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

Show Suggested Answer





Actual exam question from Cisco's 300-415

Question #: 13

Topic #: 1

[\[All 300-415 Questions\]](#)

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

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

Show Suggested Answer





Actual exam question from Cisco's 300-415

Question #: 14

Topic #: 1

[\[All 300-415 Questions\]](#)

A large retail organization decided to move some of the branch applications to the AWS cloud. How does the network architect extend the in-house Cisco SD-WAN branch to cloud network into AWS?

- A. Create virtual instances of vSmart Cloud through the AWS online software store
- B. Create GRE tunnels to AWS from each branch over the Internet
- C. Install the AWS Cloud Router in the main data center and provide the connectivity from each branch
- D. Create virtual WAN Edge devices Cloud through the AWS online software store

Show Suggested Answer





Actual exam question from Cisco's 300-415

Question #: 15

Topic #: 1

[\[All 300-415 Questions\]](#)

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

- A. Sun Enterprise M4000 Server running Sun Solaris
- B. Sun SPARC Node running AIX
- C. Cisco UCS
- D. HP ProLiant DL380 Generation 10 running HP-UX
- E. Cisco ENCS 5000 Series

Show Suggested Answer





Actual exam question from Cisco's 300-415

Question #: 16

Topic #: 1

[\[All 300-415 Questions\]](#)

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

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

Show Suggested Answer



Actual exam question from Cisco's 300-415

Question #: 17

Topic #: 1

[\[All 300-415 Questions\]](#)

Which two prerequisites must be met before the Cloud onRamp for IaaS is initiated on vManage to expand to the AWS cloud? (Choose two.)

- A. Attach an OSPF feature template to the AWS cloud Edge router template.
- B. Attach the `AmazonCreateVPC` and `AmazonProvisionEC2` permission policy to the IAM account.
- C. Subscribe to the SD-WAN Edge router AMI in the AWS account.
- D. Attach a device template to the cloud WAN Edge router to be deployed in the AWS.
- E. Preprovision the transit VPC in the AWS region.

Show Suggested Answer





Actual exam question from Cisco's 300-415

Question #: 18

Topic #: 1

[\[All 300-415 Questions\]](#)

In a Cisco SD-WAN network, which component is responsible for distributing route and policy information via the OMP?

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

Show Suggested Answer



Actual exam question from Cisco's 300-415

Question #: 19

Topic #: 1

[\[All 300-415 Questions\]](#)

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	

Show Suggested Answer



Actual exam question from Cisco's 300-415

Question #: 20

Topic #: 1

[\[All 300-415 Questions\]](#)

For data plane resiliency, what does the Cisco SD-WAN software implement?

- A. multiple vBond orchestrators
- B. establishing affinity between vSmart controllers and WAN Edge routers
- C. OMP
- D. BFD

Show Suggested Answer



Actual exam question from Cisco's 300-415

Question #: 21

Topic #: 1

[\[All 300-415 Questions\]](#)

```
from-vsmart data-policy_1_ServiceIserctionIPSec
direction from-service
vpn-list 1
  sequence 1
  match destination-ip 64.102.6.247/32
  action accept
  set
  service netsvc1
  service local
  default-action accept
```

Refer to the exhibit. Which configuration configures IPsec tunnels in active and standby?

- A. vpn 1 service netsvc1 interface ipsec1 ipsec2 from-vsmart lists vpn-list 1 vpn 1
- B. vpn 0 service netsvc1 interface ipsec1 ipsec2 from-vsmart lists vpn-list 0 vpn 0
- C. vpn 1 service netsvc1 interface ipsec1 ipsec2 vpn-list 1 count ServicePsec1_275676046 from-vsmart lists vpn-list 1 vpn 1
- D. vpn 0 service netsvc1 interface ipsec1 ipsec2 vpn-list 1 count ServicePsec1_275676046 from-vsmart lists vpn-list 0 vpn 0

Show Suggested Answer



Actual exam question from Cisco's 300-415

Question #: 22

Topic #: 1

[\[All 300-415 Questions\]](#)

An organization wants to use the Cisco SD-WAN regionalized service-chaining feature to optimize cost and user experience with applications in the network, which allows branch routers to analyze and steer traffic toward the required network function. Which feature meets this requirement?

- A. Cloud onRamp for Colocation
- B. Cloud onRamp for IaaS
- C. Cloud Services Platform
- D. VNF Service Chaining

[Show Suggested Answer](#)



Actual exam question from Cisco's 300-415

Question #: 23

Topic #: 1

[\[All 300-415 Questions\]](#)

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

color

hello interval

PMTU discovery

multiplier

BFD for Transport Tunnel

BFD for Application-Aware Routing

Show Suggested Answer





Actual exam question from Cisco's 300-415

Question #: 24

Topic #: 1

[\[All 300-415 Questions\]](#)

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

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

Show Suggested Answer





Actual exam question from Cisco's 300-415

Question #: 25

Topic #: 1

[\[All 300-415 Questions\]](#)

What is an attribute of TLOC?

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

Show Suggested Answer





Actual exam question from Cisco's 300-415

Question #: 26

Topic #: 1

[\[All 300-415 Questions\]](#)

What is the behavior of vBond orchestrator?

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

Show Suggested Answer





Actual exam question from Cisco's 300-415

Question #: 27

Topic #: 1

[\[All 300-415 Questions\]](#)

Which routing protocol is used to exchange control plane information between vSmart controllers and WAN Edge routers in the Cisco SD-WAN secure extensible network?

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

[Show Suggested Answer](#)





Actual exam question from Cisco's 300-415

Question #: 28

Topic #: 1

[\[All 300-415 Questions\]](#)

What is a requirement for a WAN Edge to reach vManage, vBond, and vSmart controllers in a data center?

- A. OMP
- B. IGP
- C. QoS
- D. TLS

Show Suggested Answer



Actual exam question from Cisco's 300-415

Question #: 29

Topic #: 1

[\[All 300-415 Questions\]](#)

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 in AWS. An Internet circuit is added to a site in addition to the existing MPLS circuit. Which interface template establishes BFD neighbors over both transports?

A.

TUNNEL	
Tunnel Interface	<input checked="" type="radio"/> On <input type="radio"/> Off
Color	mpls
Restrict	<input checked="" type="radio"/> On <input type="radio"/> Off
Groups	<input checked="" type="checkbox"/>
Border	<input type="radio"/> On <input checked="" type="radio"/> Off
Control Connection	<input checked="" type="checkbox"/> <input checked="" type="radio"/> On <input type="radio"/> Off
Maximum Control Connections	<input checked="" type="checkbox"/>
vBond as Stun Server	<input checked="" type="checkbox"/> <input type="radio"/> On <input checked="" type="radio"/> Off
Exclude Controller Group List	<input checked="" type="checkbox"/>
vManage Connection Preference	<input checked="" type="checkbox"/> 5
Port Hop	<input checked="" type="checkbox"/> <input checked="" type="radio"/> On <input type="radio"/> Off
Low-Bandwidth Link	<input checked="" type="checkbox"/> <input type="radio"/> On <input checked="" type="radio"/> Off

B.

TUNNEL	
Tunnel Interface	<input checked="" type="radio"/> On <input type="radio"/> Off
Color	mpls
Restrict	<input type="radio"/> On <input checked="" type="radio"/> Off
Groups	<input checked="" type="checkbox"/>
Border	<input type="radio"/> On <input checked="" type="radio"/> Off
Control Connection	<input checked="" type="checkbox"/> <input checked="" type="radio"/> On <input type="radio"/> Off
Maximum Control Connections	<input checked="" type="checkbox"/> 0
vBond as Stun Server	<input checked="" type="checkbox"/> <input type="radio"/> On <input checked="" type="radio"/> Off
Exclude Controller Group List	<input checked="" type="checkbox"/>
vManage Connection Preference	<input checked="" type="checkbox"/> 5
Port Hop	<input checked="" type="checkbox"/> <input checked="" type="radio"/> On <input type="radio"/> Off
Low-Bandwidth Link	<input checked="" type="checkbox"/> <input type="radio"/> On <input checked="" type="radio"/> Off

C.

TUNNEL	
Tunnel Interface	<input checked="" type="radio"/> On <input type="radio"/> Off
Color	mpls
Restrict	<input type="radio"/> On <input checked="" type="radio"/> Off
Groups	<input checked="" type="checkbox"/>
Border	<input type="radio"/> On <input checked="" type="radio"/> Off
Control Connection	<input checked="" type="checkbox"/> <input checked="" type="radio"/> On <input type="radio"/> Off
Maximum Control Connections	<input checked="" type="checkbox"/>
vBond as Stun Server	<input checked="" type="checkbox"/> <input checked="" type="radio"/> On <input type="radio"/> Off
Exclude Controller Group List	<input checked="" type="checkbox"/>
vManage Connection Preference	<input checked="" type="checkbox"/> 5
Port Hop	<input checked="" type="checkbox"/> <input checked="" type="radio"/> On <input type="radio"/> Off
Low-Bandwidth Link	<input checked="" type="checkbox"/> <input type="radio"/> On <input checked="" type="radio"/> Off

D.

TUNNEL	
Tunnel Interface	<input checked="" type="radio"/> On <input type="radio"/> Off
Color	mpls
Restrict	<input checked="" type="checkbox"/> <input type="radio"/> On <input checked="" type="radio"/> Off
Groups	<input checked="" type="checkbox"/>
Border	<input checked="" type="checkbox"/> <input type="radio"/> On <input checked="" type="radio"/> Off
Control Connection	<input checked="" type="checkbox"/> <input checked="" type="radio"/> On <input type="radio"/> Off
Maximum Control Connections	<input checked="" type="checkbox"/> 1
vBond as Stun Server	<input checked="" type="checkbox"/> <input type="radio"/> On <input checked="" type="radio"/> Off
Exclude Controller Group List	<input checked="" type="checkbox"/>
vManage Connection Preference	<input checked="" type="checkbox"/> 5
Port Hop	<input checked="" type="checkbox"/> <input checked="" type="radio"/> On <input type="radio"/> Off
Low-Bandwidth Link	<input checked="" type="checkbox"/> <input type="radio"/> On <input checked="" type="radio"/> Off



Actual exam question from Cisco's 300-415

Question #: 30

Topic #: 1

[\[All 300-415 Questions\]](#)

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

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

Show Suggested Answer





Actual exam question from Cisco's 300-415

Question #: 31

Topic #: 1

[\[All 300-415 Questions\]](#)

What is the default value (in milliseconds) set for the poll interval in the BFD basic configuration?

- A. 300,000
- B. 600,000
- C. 900,000
- D. 1,200,000

Show Suggested Answer





Actual exam question from Cisco's 300-415

Question #: 32

Topic #: 1

[\[All 300-415 Questions\]](#)

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

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

Show Suggested Answer





Actual exam question from Cisco's 300-415

Question #: 33

Topic #: 1

[\[All 300-415 Questions\]](#)

How is TLOC defined?

- A. It is represented by a unique identifier to specify a site in a SD-WAN architecture.
- B. It specifies a Cisco SD-WAN overlay in a multitenant vSMART deployment.
- C. It is represented by a group of QoS policies applied to a WAN Edge router.
- D. It is a unique collection of GRE or IPsec encapsulations, link color, and system IP address.

Show Suggested Answer





Actual exam question from Cisco's 300-415

Question #: 34

Topic #: 1

[\[All 300-415 Questions\]](#)

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

[Show Suggested Answer](#)



Actual exam question from Cisco's 300-415

Question #: 35

Topic #: 1

[\[All 300-415 Questions\]](#)

What are the two advantages of deploying cloud-based Cisco SD-WAN controllers? (Choose two.)

- A. centralized control and data plane
- B. infrastructure as a service
- C. management of SLA
- D. centralized raid storage of data
- E. distributed authentication policies

Show Suggested Answer





Actual exam question from Cisco's 300-415

Question #: 36

Topic #: 1

[\[All 300-415 Questions\]](#)

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

- A. .nxos
- B. .qcow2
- C. .iso
- D. .ova
- E. .bin

Show Suggested Answer





Actual exam question from Cisco's 300-415

Question #: 37

Topic #: 1

[\[All 300-415 Questions\]](#)

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. ISR 4431
- C. vEdge 100c
- D. vEdge 2000
- E. vEdge Cloud

Show Suggested Answer





Actual exam question from Cisco's 300-415

Question #: 38

Topic #: 1

[\[All 300-415 Questions\]](#)

How is the scalability of the Manage increased in Cisco SD-WAN Fabric?

- A. Increase the bandwidth of the WAN link connected to the vManage
- B. Increase licensing on the vManage
- C. Deploy more than one vManage controllers on different physical server
- D. Deploy multiple vManage controllers in a cluster

Show Suggested Answer





Actual exam question from Cisco's 300-415

Question #: 39

Topic #: 1

[\[All 300-415 Questions\]](#)

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

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

Show Suggested Answer





Actual exam question from Cisco's 300-415

Question #: 40

Topic #: 1

[\[All 300-415 Questions\]](#)

An engineer is troubleshooting a vEdge router and identifies a `DCONFIL` "DTLS connection failure" message. What is the problem?

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

Show Suggested Answer





Actual exam question from Cisco's 300-415

Question #: 41

Topic #: 1

[\[All 300-415 Questions\]](#)

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

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

Show Suggested Answer



Actual exam question from Cisco's 300-415

Question #: 42

Topic #: 1

[\[All 300-415 Questions\]](#)

PEER	PEER	PEER			PEER	PEER				CONTROLLER	
TYPE	PROTOCOL	SYSTEM	SITE IP	DOMAIN ID	PEER PRIVATE IP	PRIVATE PORT	PEER PUBLIC IP	PUBLIC PORT	LOCAL	COLOR	GROUP STATE
UPTIME	ID										
vbond	dtls	-	0	0	1.3.25.25	12346	1.3.25.25	12346	gold	connect	0
vbond	dtls	-	0	0	1.3.25.25	12346	1.3.25.25	12346	silver	connect	0

Refer to the exhibit. An engineer is troubleshooting a control connection issue. What does `connect` mean in this show control connections output?

- A. Control connection is down
- B. Control connection is up
- C. Control connection attempt is in progress
- D. Control connection is connected

Show Suggested Answer



Actual exam question from Cisco's 300-415

Question #: 43

Topic #: 1

[\[All 300-415 Questions\]](#)

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

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

Show Suggested Answer





Actual exam question from Cisco's 300-415

Question #: 44

Topic #: 1

[\[All 300-415 Questions\]](#)

What is the purpose of `vpn 0` in the configuration template when onboarding a WAN Edge node?

- A. It carries control traffic over secure IPsec connections between vSmart controllers and vEdge routers, and between vEdge and vManager.
- B. It carries control traffic over secure IPsec connections between vSmart controllers and vEdge routers, and between vSmart and vBond.
- C. It carries control traffic over secure DTLS or TLS connections between vSmart controllers and vEdge routers, and between vSmart and vBond.
- D. It carries out-of-band network management traffic among the Cisco SD-WAN devices in the overlay network.

Show Suggested Answer





Actual exam question from Cisco's 300-415

Question #: 45

Topic #: 1

[\[All 300-415 Questions\]](#)

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

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

Show Suggested Answer

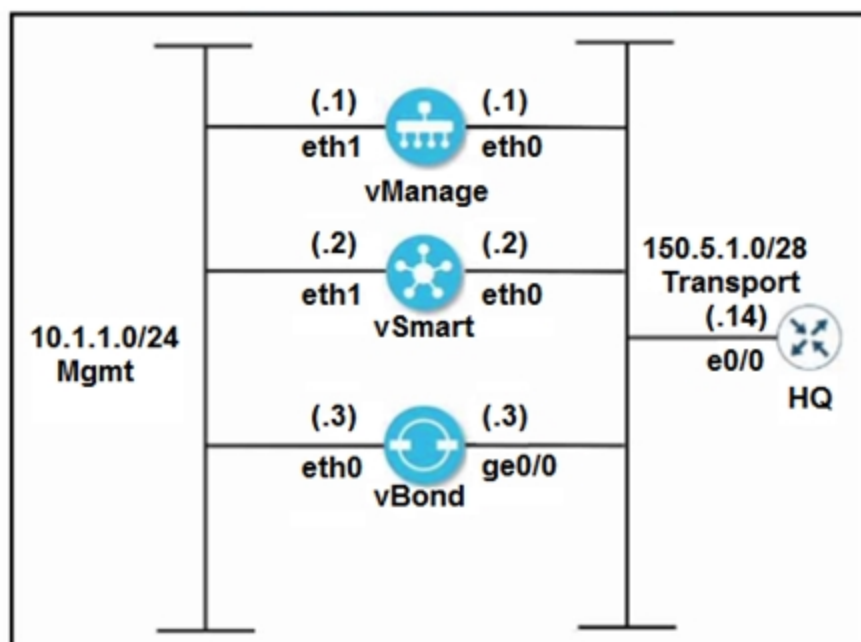


Actual exam question from Cisco's 300-415

Question #: 46

Topic #: 1

[\[All 300-415 Questions\]](#)



vManage

```
system
system-ip 10.10.10.101
host-name vManage
site-id 1
clock timezone Europe/London
vbond 150.5.1.3
organization-name Cisco.com
!
vpn 0
interface eth0
ip address 150.5.1.1/28
no shut
tunnel-interface
allow-service all
ip route 0.0.0.0/0 150.5.1.14
!
commit
```

vBond

vSmart

```
system
system-ip 10.10.10.102
host-name vSmart
site-id 1
clock timezone Europe/London
vbond 150.5.1.3
organization-name Cisco.com
!
vpn 0
interface eth0
ip address 150.5.1.2/28
no shut
tunnel-interface
allow-service all
ip route 0.0.0.0/0 150.5.1.14
!
commit
```

Refer to the exhibit. An engineer is troubleshooting an issue where vManage and vSmart have a problem establishing a connection to vBond. Which action fixes the issue?

- A. Remove the encapsulation ipsec command under the tunnel interface of vBond
- B. Reconfigure the vbond command on the vBond as vbond 150.5.1.3 local
- C. Configure the tunnel interface on all three controllers with a color of transport
- D. Configure encapsulation as IPsec under the tunnel interface of vManage and vSmart

Show Suggested Answer



Actual exam question from Cisco's 300-415

Question #: 47

Topic #: 1

[\[All 300-415 Questions\]](#)

LOCAL	PEER REMOTE	PEER REPEAT	PEER SYSTEM IP ERROR	SITE ID ERROR	DOMAIN ID COUNT	PEER PRIVATE IP DOWNTIME	PRIVATE PORT	PEER PUBLIC IP	PUBLIC PORT
0 default	vsmart tls trying		1.1.1.3 DCONFAIL NOERR	100	1 10001 2020-01-01T10:01:20+0000	100.1.1.3 23456	23456	100.1.1.3	23456

Refer to the exhibit. The control connection is failing. Which action resolves the issue?

- A. Validate the certificates authenticity on vSmart
- B. Restore the reachability to the vSmart
- C. Import vSmart in vManager
- D. Upload the WAN Edge list on vManage

Show Suggested Answer

Actual exam question from Cisco's 300-415

Question #: 48

Topic #: 1

[\[All 300-415 Questions\]](#)

PEER PEER INSTANCE COLOR	PEER TYPE STATE	PEER PRIVATE PROTOCOL	PEER SYSTEM IP ERROR	SITE SYSTEM IP ERROR	DOMAIN PUBLIC ID COUNT	DOMAIN ID DOWNTIME	PRIVATE IP	LOCAL PORT	REMOTE PUBLIC IP	REPEAT PORT REMOTE
0	vbond	dtls	0.0.0.0	9	0	0	192.168.0.231	12346	192.168.0.231	12346 default
tear_down		CRTREJSER	NOERR							

Refer to the exhibit. An engineer is troubleshooting tear down of control connections even though a valid CertificateSerialNumber is entered. Which two actions resolve the issue? (Choose two.)

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

Show Suggested Answer



Actual exam question from Cisco's 300-415

Question #: 49

Topic #: 1

[\[All 300-415 Questions\]](#)

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

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

Show Suggested Answer





Actual exam question from Cisco's 300-415

Question #: 50

Topic #: 1

[\[All 300-415 Questions\]](#)

Which third-party Enterprise CA server must be used for a cloud-based vSmart controller?

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

Show Suggested Answer





Actual exam question from Cisco's 300-415

Question #: 51

Topic #: 1

[\[All 300-415 Questions\]](#)

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

- A. certificates, organization name, and serial number of the device
- B. organization name, serial number, and system IP of the device
- C. certificates, organization name, and vBond domain
- D. certificates, system IP, and vBond domain

Show Suggested Answer

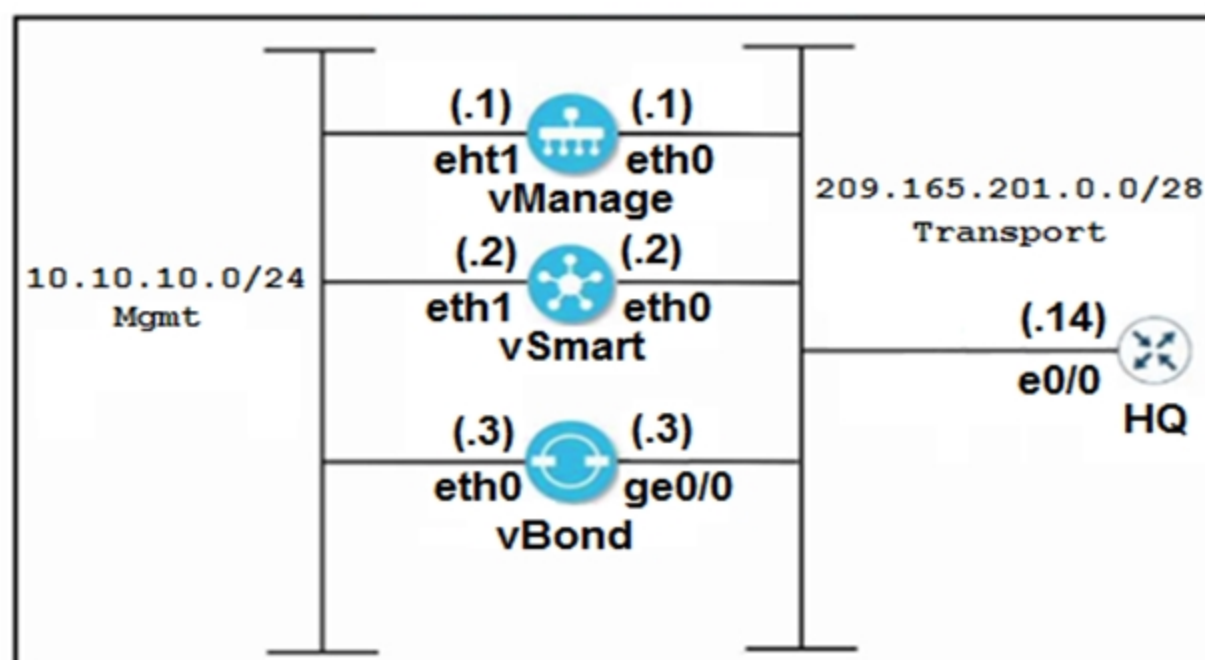


Actual exam question from Cisco's 300-415

Question #: 52

Topic #: 1

[\[All 300-415 Questions\]](#)



vManage

system

```
system-ip 10.10.10.101
host-name vManage
site-id 1
clock timezone Europe/London
vbond 209.165.201.3
organization-name Cisco.com
```

!

vpn 0

```
interface eth0
ip address 209.165.201.1/28
no shut
tunnel-interface
allow-service all
ip route 0.0.0.0/0 209.165.201.14
```

!

commit

vBond

system

```
system-ip 10.10.10.103
host-name vBond
site-id 1
clock timezone Europe/London
vbond 209.165.201.3 Local
organization-name viptela.com
```

!

vpn 0

```
interface ge0/0
ip address 209.165.201.3/28
no shut
tunnel-interface
encapsulation ipsec
allow-service all
ip route 0.0.0.0/0 209.165.201.14
```

!

commit

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

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

Show Suggested Answer

Actual exam question from Cisco's 300-415

Question #: 53

Topic #: 1

[\[All 300-415 Questions\]](#)

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

Refer to the exhibit. An engineer is getting a CTORGNMMIS error on a controller connection. Which action resolves this issue?

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

Show Suggested Answer

Actual exam question from Cisco's 300-415

Question #: 54

Topic #: 1

[\[All 300-415 Questions\]](#)

MONITOR AUDIT LOG							
Filter - Module: vManage Root CA							
1h 3h 6h 12h 24h 7days Custom							
Search Options							
Total Rows: 10							
Timestamp	User	User IP	Message	Module	Feature	Device	Task ID
18 Dec 2020..	system	10.1.1.1	Uploaded root ca uuid list file on vBond-d3aa12f..	vmanage-roo..	vmanage-root-ca	10.3.3.3	d3aa12fd-b024-4246-899a ...
18 Dec 2020..	system	10.1.1.1	Transferred root ca uuid list file to vBond-d3aa12..	vmanage-roo..	vmanage-root-ca	10.3.3.3	d3aa12fd-b024-4246-899a ...
18 Dec 2020..	system	10.1.1.1	Installed root cert chain on vBond-d3aa12fd-b02..	vmanage-roo..	vmanage-root-ca	10.3.3.3	d3aa12fd-b024-4246-899a ...
18 Dec 2020..	system	10.1.1.1	Transferred root cert chain file to vBond-d3aa12f..	vmanage-roo..	vmanage-root-ca	10.3.3.3	d3aa12fd-b024-4246-899a ...
18 Dec 2020..	system	10.1.1.1	Installed root cert chain on vSmart-5478ad3f-04..	vmanage-roo..	vmanage-root-ca	10.2.2.2	5478ad3f-04e0-4d0f-b654- ...
18 Dec 2020..	system	10.1.1.1	Transferred root cert chain file to vSmart-5478ad..	vmanage-roo..	vmanage-root-ca	10.2.2.2	5478ad3f-04e0-4d0f-b654- ...
18 Dec 2020..	system	10.1.1.1	Uploaded root uuid list file on vBond-d3aa12f..	vmanage-roo..	vmanage-root-ca	10.3.3.3	d3aa12fd-b024-4246-899a ...
18 Dec 2020..	system	10.1.1.1	Installed root cert chain on vManage-6842d5cf..	vmanage-roo..	vmanage-root-ca	10.1.1.1	6842d5cf-ce74-41a0-9ff5-1 ...
18 Dec 2020..	system	10.1.1.1	Transferred root ca uuid list file to vBond-d3aa12..	vmanage-roo..	vmanage-root-ca	10.3.3.3	d3aa12fd-b024-4246-899a ...
18 Dec 2020..	system	10.1.1.1	Transferred root cert chain file to vManage-6842..	vmanage-roo..	vmanage-root-ca	10.1.1.1	6842d5cf-ce74-41a0-9ff5-1 ...

vManage# show certificate installed

Server certificate

Certificate:

Data:

Version: 1 (0x0)

Serial Number:

d0:d1:f0:e0:63:52:c9:3a

Signature Algorithm: sha256WithRSAEncryption

Issuer: C=UK, ST=ENG, L=London, O=ABC, CN=SDWAN.lab

Validity

Not Before: Jul 30 19:42:30 2020 GMT

Not After : Jul 30 19:42:30 2021 GMT

Subject: C=US, ST=California, L=San Jose, OU=ABC.

O=vIPtela Inc, CN=vmanage-6842d5cf-ce74-41a0-9ff5-10e810f9ddab-0.vm

Subject Public Key Info:

Public Key Algorithm: rsaEncryption

Public-Key: (2048 bit)

Refer to the exhibit. A small company was acquired by a large organization. As a result, the new organization decided to update information on their Enterprise RootCA and generated a new certificate using openssl. Which configuration updates the new certificate and issues an alert in vManage Monitor | Events Dashboard?

A.

Step1: Generate the RootCA Certificate

```
openssl x509 -req -in vmanage_csr \
  -CA ROOTCA.pem -CAkey ROOTCA.key -CAcreateserial \
  -out vmanage.crt -days 365 -sha256
```

Step2: Install the RootCA Certificate

vManage > Administration > Settings > Controller Certificate Authorization > Enterprise Root Certificate

B.

Step1: Generate the RootCA Certificate

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

Step2: Install the RootCA Certificate

vManage > Administration > Settings > Controller Certificate Authorization > Enterprise Root Certificate

C.

Step1: Generate the RootCA Certificate

```
openssl x509 -req -in vmanage_csr \
  -CA ROOTCA.pem -CAkey ROOTCA.key -CAcreateserial \
  -out vmanage.crt -days 365 -sha256
```

Step2: Install the RootCA Certificate

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

D.

Step1: Generate the RootCA Certificate

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

Step2: Install the RootCA Certificate

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

Show Suggested Answer

Actual exam question from Cisco's 300-415

Question #: 55

Topic #: 1

[\[All 300-415 Questions\]](#)

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

Configure traffic rules

Configure topology

Apply policies to sites and VPNs

Create the network structure to which the policy applies

Create lists that group together related items that an engineer can call in the match or action components of a policy

Associate a policy with sites and VPNs in the overlay network

Create the match and action conditions of a policy

Show Suggested Answer



Actual exam question from Cisco's 300-415

Question #: 56

Topic #: 1

[\[All 300-415 Questions\]](#)

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. 5 seconds
- C. 1 second
- D. 3 seconds

Show Suggested Answer



Actual exam question from Cisco's 300-415

Question #: 57

Topic #: 1

[\[All 300-415 Questions\]](#)

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

A.

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

B.

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

C.

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

D.

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

Show Suggested Answer



Actual exam question from Cisco's 300-415

Question #: 58

Topic #: 1

[\[All 300-415 Questions\]](#)

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

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

Show Suggested Answer





Actual exam question from Cisco's 300-415

Question #: 59

Topic #: 1

[\[All 300-415 Questions\]](#)

When redistribution is configured between OMP and BGP at two Data Center sites (DC) that have Direct Connection Interlink, which step avoids learning the same routes on WAN Edge routers of the DCs from LAN?

- A. Set down-bit on WAN Edge routers on DC1
- B. Define different VRFs on both DCs
- C. Set OMP admin distance lower than BGP admin distance
- D. Set same overlay AS on both DC WAN Edge routers

Show Suggested Answer





Actual exam question from Cisco's 300-415

Question #: 60

Topic #: 1

[\[All 300-415 Questions\]](#)

Which device information is required on PNP/ZTP to support the zero touch onboarding process?

- A. serial and chassis numbers
- B. interface IP address
- C. public DNS entry
- D. system IP address

Show Suggested Answer





Actual exam question from Cisco's 300-415

Question #: 61

Topic #: 1

[\[All 300-415 Questions\]](#)

Which configuration step is taken on vManage after WAN Edge list is uploaded to support the on-boarding process before the device comes online?

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

Show Suggested Answer





Actual exam question from Cisco's 300-415

Question #: 62

Topic #: 1

[\[All 300-415 Questions\]](#)

On which device is a service FW address configured to insert firewall service at the hub?

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

Show Suggested Answer





Actual exam question from Cisco's 300-415

Question #: 63

Topic #: 1

[\[All 300-415 Questions\]](#)

Which attributes are configured to uniquely identify and represent a TLOC route?

- A. system IP address, link color, and encapsulation
- B. origin, originator, and preference
- C. site ID, tag, and VPN
- D. firewall, IPS, and application optimization

Show Suggested Answer





Actual exam question from Cisco's 300-415

Question #: 64

Topic #: 1

[\[All 300-415 Questions\]](#)

Which type of route advertisement of OMP can be verified?

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

Show Suggested Answer





Actual exam question from Cisco's 300-415

Question #: 65

Topic #: 1

[\[All 300-415 Questions\]](#)

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

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

Show Suggested Answer



Actual exam question from Cisco's 300-415

Question #: 66

Topic #: 1

[\[All 300-415 Questions\]](#)

Which configuration allows users to reach YouTube from a local Internet breakout?

A.

```
VPN 10
ip route 0.0.0.0/0 vpn 0
VPN 0
interface Gig1/1
nat
```

B.

```
VPN 10
ip route 0.0.0.0/0 vpn 0
```

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
```

```
vpn 10
ip route 0.0.0.0/0 vpn 0
```

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
```

Show Suggested Answer

Actual exam question from Cisco's 300-415

Question #: 67

Topic #: 1

[\[All 300-415 Questions\]](#)

Which feature template configures OMP?

A.

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

B.

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

C.

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

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

Show Suggested Answer



Actual exam question from Cisco's 300-415

Question #: 68

Topic #: 1

[\[All 300-415 Questions\]](#)

#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

Refer to the exhibit. Which configuration change is needed to configure the tloc-extension 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
```

Show Suggested Answer



Actual exam question from Cisco's 300-415

Question #: 69

Topic #: 1

[\[All 300-415 Questions\]](#)

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

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

Show Suggested Answer





Actual exam question from Cisco's 300-415

Question #: 70

Topic #: 1

[\[All 300-415 Questions\]](#)

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

Show Suggested Answer



Actual exam question from Cisco's 300-415

Question #: 71

Topic #: 1

[\[All 300-415 Questions\]](#)

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:

IP address	target1
color	target2
encapsulation	target3
VPN	
service	

Show Suggested Answer



Actual exam question from Cisco's 300-415

Question #: 72

Topic #: 1

[\[All 300-415 Questions\]](#)

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

- A. ASR1000v
- B. vEdge 100wm
- C. CSR1000v
- D. vEdge cloud
- E. vEdge 5000v

Show Suggested Answer



Actual exam question from Cisco's 300-415

Question #: 73

Topic #: 1

[\[All 300-415 Questions\]](#)

```
vEdge-2(config-vpn-0)# interface ge0/2.101
vEdge-2(config-interface)# ip address 10.1.100.0/24
vEdge-2(config-interface)# tloc-extension ge0/0
vEdge-2(config-interface)# mtu 1496
vEdge-2(config-interface)# no shutdown
```

Refer to the exhibit. Which binding is created using the tloc-extension command?

- A. between ge 0/2.101 of port-type transport and ge 0/0 of port-type service
- B. between ge 0/2.101 of port-type service and ge 0/0 of port-type service
- C. between ge 0/2.101 of port-type service and ge 0/0 of port-type transport
- D. between ge 0/2.101 of port-type transport and ge 0/0 of port-type transport

Show Suggested Answer



Actual exam question from Cisco's 300-415

Question #: 74

Topic #: 1

[\[All 300-415 Questions\]](#)

A network administrator is configuring a tunnel interface on a branch Cisco IOS XE router to run TLOC extensions. Which configuration will extend a TLOC over a GRE tunnel to another router in the branch?

A.

```
sdwan
interface g0/0
  gre-interface
  tloc-extension-gre-to 10.1.1.1
```

B.

```
sdwan
interface g0/0
  tunnel-interface
  tloc-extension-gre-to 10.1.1.1
```

C.

```
sdwan
interface g0/0
  extended-interface
  tloc-extension-gre-from 10.1.1.1
```

D.

```
sdwan
interface g0/0
  tloc-interface
  tloc-extension-gre-from 10.1.1.1
```

Show Suggested Answer



Actual exam question from Cisco's 300-415

Question #: 75

Topic #: 1

[\[All 300-415 Questions\]](#)

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

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

Show Suggested Answer





Actual exam question from Cisco's 300-415

Question #: 76

Topic #: 1

[\[All 300-415 Questions\]](#)

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

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

Show Suggested Answer





Actual exam question from Cisco's 300-415

Question #: 77

Topic #: 1

[\[All 300-415 Questions\]](#)

Which TCP Optimization feature is used by WAN Edge to prevent unnecessary retransmissions and large initial TCP window sizes to maximize throughput and achieve a better quality?

- A. SACK
- B. SEQ
- C. RTT
- D. SYN

[Show Suggested Answer](#)





Actual exam question from Cisco's 300-415

Question #: 78

Topic #: 1

[\[All 300-415 Questions\]](#)

A network administrator is configuring VRRP to avoid a traffic black hole when the transport side of the network is down on the primary device. What must be configured to get the fastest failover to standby?

- A. OMP tracking
- B. higher group ID number
- C. prefix-list tracking
- D. lower timer interval

[Show Suggested Answer](#)



Actual exam question from Cisco's 300-415

Question #: 79

Topic #: 1

[\[All 300-415 Questions\]](#)

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

Which set of configuration commands accomplishes this task?

A.

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

B.

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

C.

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

D.

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

Show Suggested Answer



Actual exam question from Cisco's 300-415

Question #: 80

Topic #: 1

[\[All 300-415 Questions\]](#)

Which policy blocks TLOCs from remotes and allows TLOCs from the data center to form hub-and-spoke peering?

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

Show Suggested Answer





Actual exam question from Cisco's 300-415

Question #: 81

Topic #: 1

[\[All 300-415 Questions\]](#)

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

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

Show Suggested Answer





Actual exam question from Cisco's 300-415

Question #: 82

Topic #: 1

[\[All 300-415 Questions\]](#)

Which component is responsible for routing protocols such as BGP and OSPF in a Cisco SD-WAN solution?

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

Show Suggested Answer





Actual exam question from Cisco's 300-415

Question #: 83

Topic #: 1

[\[All 300-415 Questions\]](#)

What are the two protocols redistributed into OMP? (Choose two.)

- A. OSPF
- B. RSVP
- C. LDP
- D. RIP
- E. EIGRP

Show Suggested Answer



Actual exam question from Cisco's 300-415

Question #: 84

Topic #: 1

[\[All 300-415 Questions\]](#)

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

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

Show Suggested Answer

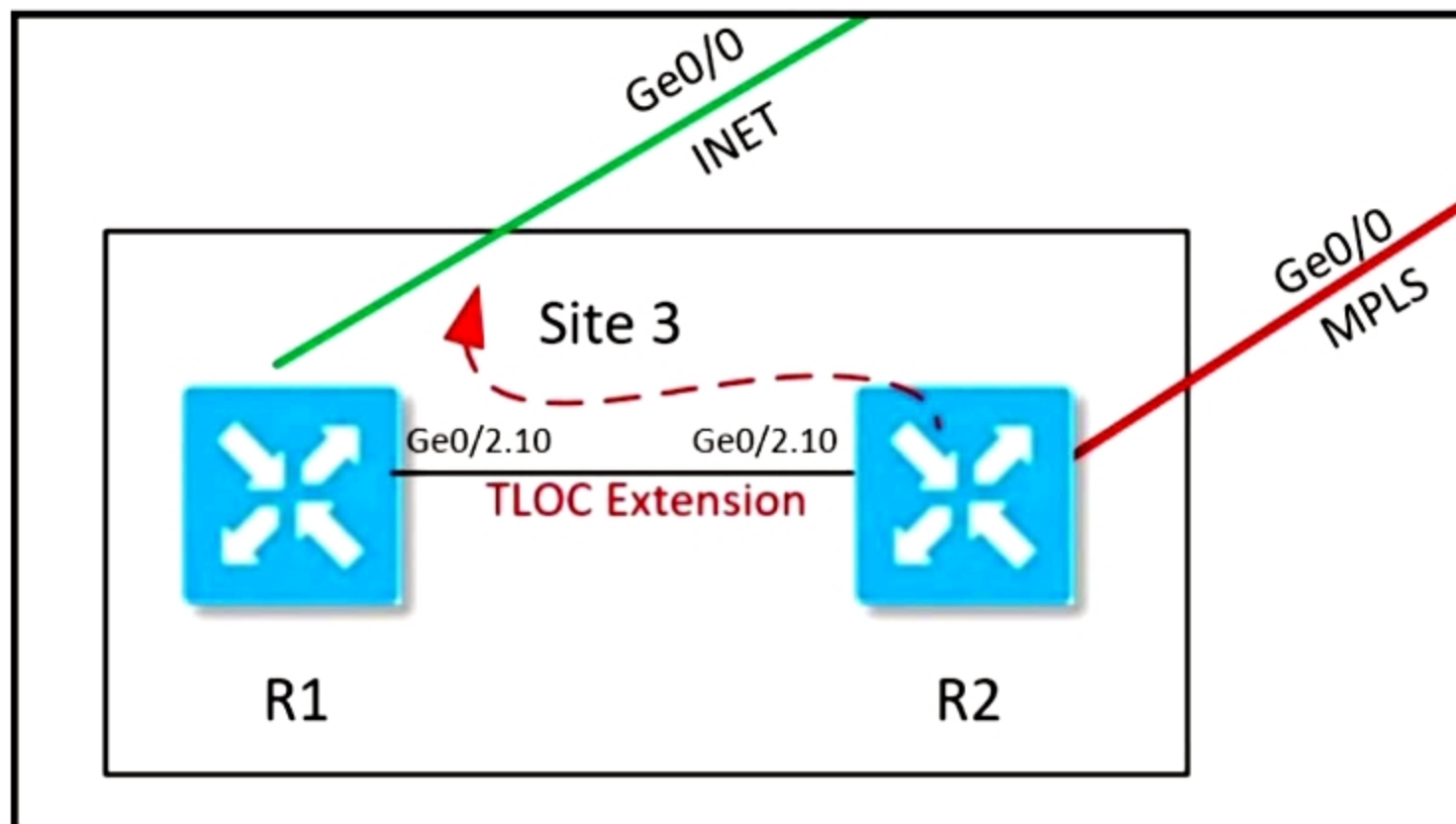


Actual exam question from Cisco's 300-415

Question #: 85

Topic #: 1

[\[All 300-415 Questions\]](#)



Refer to the exhibit. Which configuration extends the INET interface on R1 to be used by R2 for control and data connections?

- A. R1 interface ge0/2 interface ge0/2.10 ip address 43.43.43.2/30 tloc-extension ge0/0 tunnel-interface color public-internet R2 interface ge0/2 interface ge0/2.10 ip address 43.43.43.1/30 tunnel-interface color public-internet
- B. R1 interface ge0/2 mtu 1504 no shutdown interface ge0/2.10 ip address 43.43.43.2/30 tunnel-interface color public-internet R2 interface ge0/2 mtu 1504 no shutdown interface ge0/2.10 ip address 43.43.43.1/30 tloc-extension ge0/0
- C. R1 interface ge0/2 mtu 1504 no shutdown interface ge0/2.10 ip address 43.43.43.2/30 tloc-extension ge0/0 R2 interface ge0/2 mtu 1504 no shutdown interface ge0/2.10 ip address 43.43.43.1/30 tunnel-interface color public-internet
- D. R1 interface ge0/2 no shutdown interface ge0/2.10 ip address 43.43.43.2/30 tloc-extension ge0/0 R2 interface ge0/2 no shutdown interface ge0/2.10 ip address 43.43.43.1/30 tloc-extension ge0/0

Show Suggested Answer



Actual exam question from Cisco's 300-415

Question #: 86

Topic #: 1

[\[All 300-415 Questions\]](#)

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

Field	Value
Shutdown	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
AS Number	65590
Router ID	192.168.1.1
Propagate AS Path	<input checked="" type="radio"/> On <input type="radio"/> Off
Internal Routes Distance	<input checked="" type="checkbox"/>
Local Routes Distance	<input checked="" type="checkbox"/>
External Routes Distance	<input checked="" type="checkbox"/>

Buttons: Save, Cancel

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

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

Show Suggested Answer



Actual exam question from Cisco's 300-415

Question #: 87

Topic #: 1

[\[All 300-415 Questions\]](#)

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

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

Show Suggested Answer

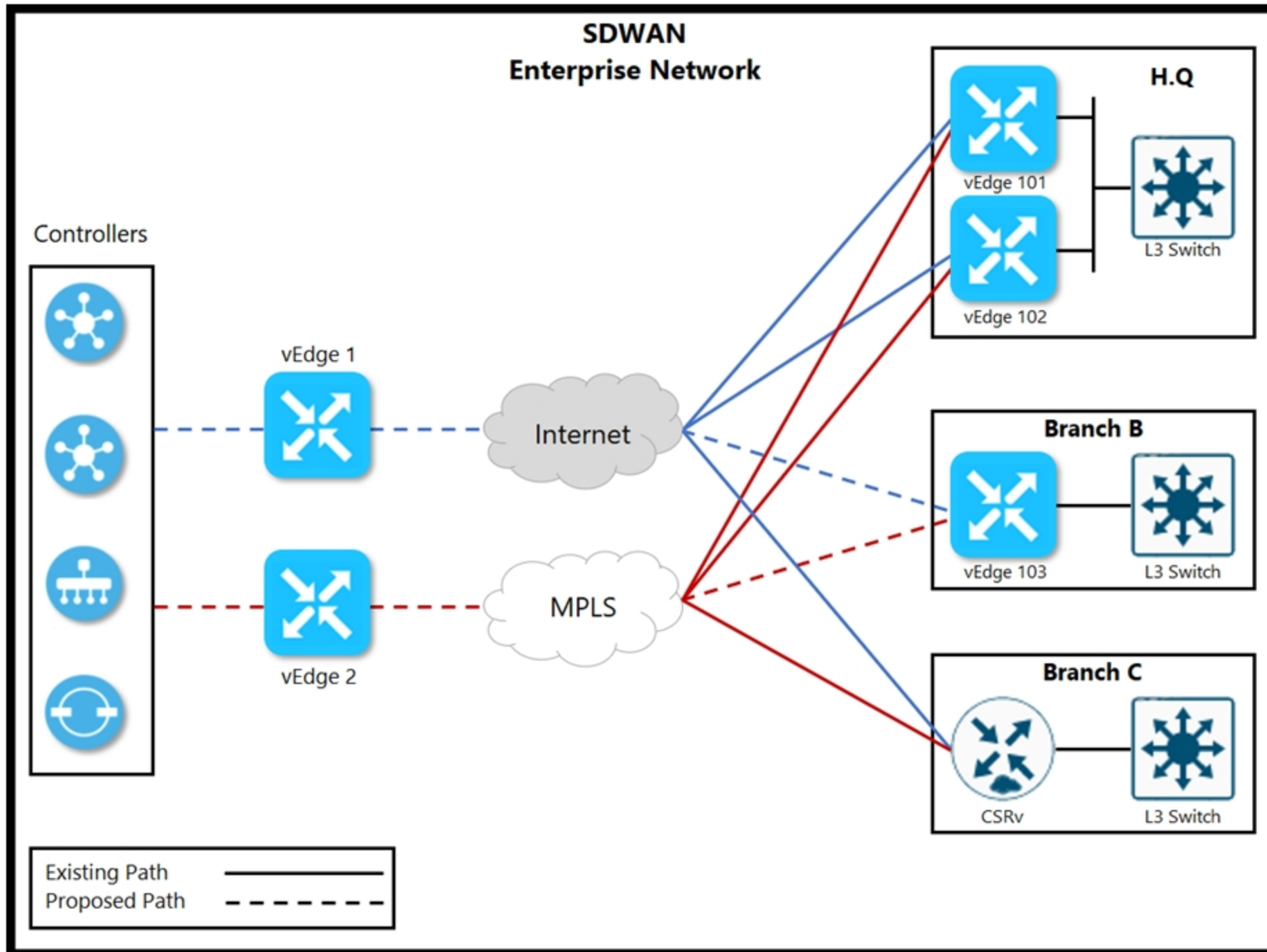


Actual exam question from Cisco's 300-415

Question #: 88

Topic #: 1

[\[All 300-415 Questions\]](#)



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

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

```
omp
no shutdown
graceful-restart
```

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

Which configuration meets the requirements?

A.

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

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

B.

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





Show Suggested Answer

Actual exam question from Cisco's 300-415

Question #: 89

Topic #: 1

[\[All 300-415 Questions\]](#)

Address Family	 <input checked="" type="radio"/> On <input type="radio"/> Off
Address Family	 ipv4-unicast <input type="text"/>
Maximum Number of Prefixes	<input checked="" type="checkbox"/> <input type="text"/>
Route Policy In	<input checked="" type="checkbox"/> <input type="radio"/> On <input checked="" type="radio"/> Off
Route Policy Out	 <input checked="" type="radio"/> On <input type="radio"/> Off
Policy Name	 eBGP_Community_Policy <input type="text"/>

Refer to the exhibit. The engineering must assign community tags to 3 of its 74 critical server networks as soon as they are advertised to BGP peers. These server networks must not be advertised outside AS. Which configuration fulfills this requirement?

A.

```

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

```

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 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

```

Show Suggested Answer





Actual exam question from Cisco's 300-415

Question #: 90

Topic #: 1

[\[All 300-415 Questions\]](#)

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

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

Show Suggested Answer



Actual exam question from Cisco's 300-415

Question #: 91

Topic #: 1

[\[All 300-415 Questions\]](#)

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

A.

CONFIGURATION | TEMPLATES

Device Feature

Feature Template > Add Template > OMP

Basic Configuration Timers Advertise

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

B.

CONFIGURATION | TEMPLATES

Device Feature

Feature Template > Add Template > OMP

Basic Configuration Timers Advertise

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

C.

CONFIGURATION | TEMPLATES

Device Feature

Feature Template > Add Template > OMP

Basic Configuration Timers Advertise

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

D.

CONFIGURATION | TEMPLATES

Device Feature

Feature Template > Add Template > OMP

Basic Configuration Timers Advertise

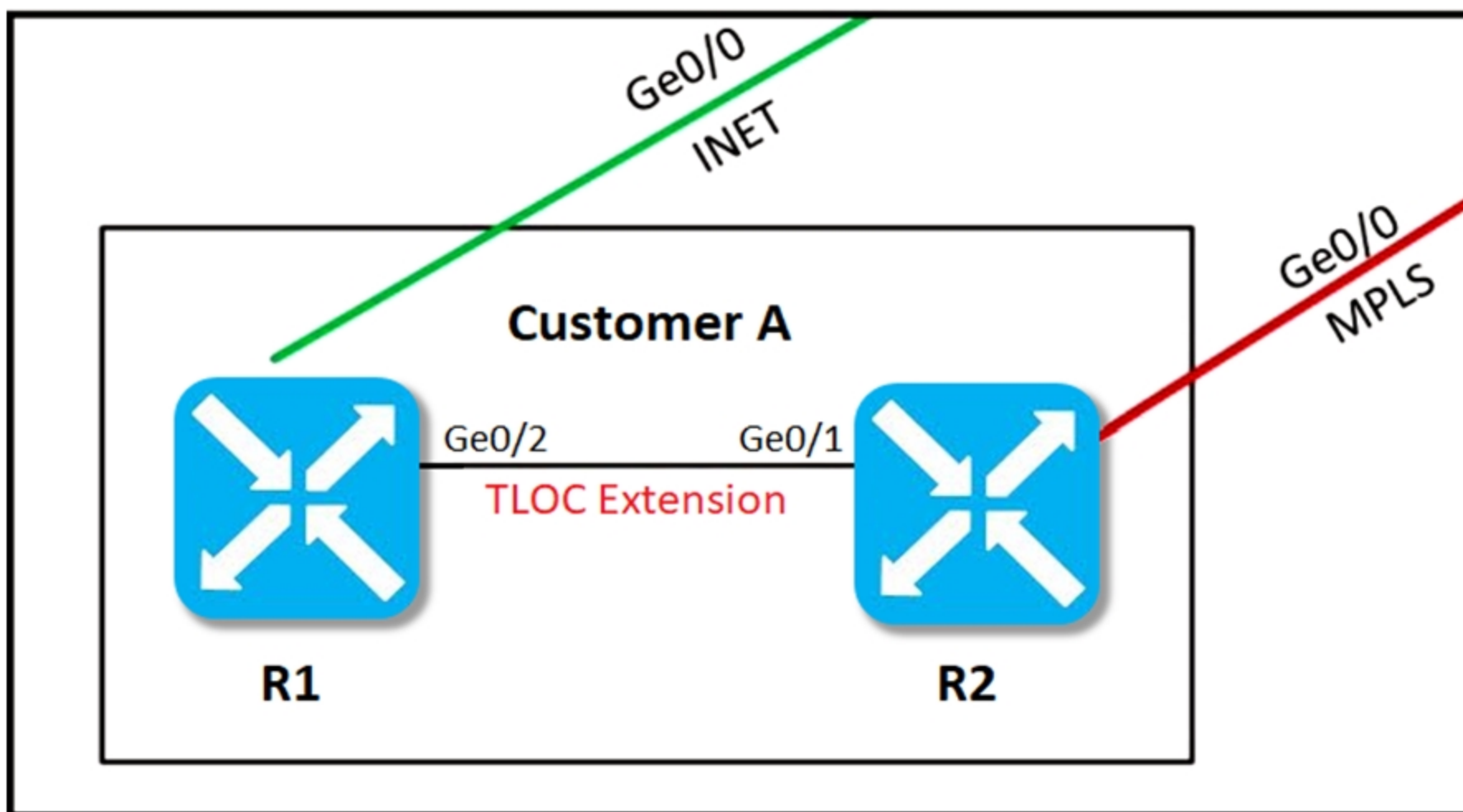
Graceful Restart for OMP	<input type="radio"/> On <input checked="" type="radio"/> Off
Overlay AS Number	1
Graceful Restart Timer (seconds)	33200
Number of Paths Advertised per Prefix	2
ECMP Limit	2
Shutdown	<input type="radio"/> Yes <input checked="" type="radio"/> No

Actual exam question from Cisco's 300-415

Question #: 92

Topic #: 1

[\[All 300-415 Questions\]](#)



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
```

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

B.

```
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
```

C.

```
R1
interface ge0/2
ip address 34.34.34.1/30
tunnel-interface
color mpls
control connection
```

```
R2
interface ge 0/2
ip address 34.34.34.3/30
tloc-extension ge0/0
```

D.

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

```
R2
interface ge0/2
ip address 34.34.34.2/30
tloc-extension ge0/0
```

Show Suggested Answer

Actual exam question from Cisco's 300-415

Question #: 93

Topic #: 1

[\[All 300-415 Questions\]](#)

Tunnel Endpoints	Protocol	State	Jitter (ms)	Loss (%)	FEC Loss
public-internet	--	--	--	--	--
✓ vEdge1:public-internet-vEdge2:public-internet	IPSEC	↑			-
✓ vEdge1:public-internet-vEdge3:public-internet	IPSEC	↑			-
✓ vEdge1:public-internet-vEdge4:public-internet	IPSEC	↑			-
✓ vEdge1:public-internet-vEdge5:public-internet	IPSEC	↑			-

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 ipsec
allow-service none
```

```
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 gre
color public-internet
allow-service ntp
```

```
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
color public-internet restrict
allow-service all
allow-service netconf
```

```
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
```

Show Suggested Answer



Actual exam question from Cisco's 300-415

Question #: 94

Topic #: 1

[\[All 300-415 Questions\]](#)

In which VPN is the NAT operation on an outgoing interface configured for direct Internet access?

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

Show Suggested Answer





Actual exam question from Cisco's 300-415

Question #: 95

Topic #: 1

[\[All 300-415 Questions\]](#)

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. vSmart
- C. WAN Edge
- D. Firewall

Show Suggested Answer



Actual exam question from Cisco's 300-415

Question #: 96

Topic #: 1

[\[All 300-415 Questions\]](#)

DRAG DROP -

Drag and drop the policies from the left onto the policy types on the right.

Select and Place:

strict hub-and-spoke topology

perform shaping on traffic

service firewall insertion

prefer voice and video via MPLS link

Control Policy

Data Policy

Show Suggested Answer





Actual exam question from Cisco's 300-415

Question #: 97

Topic #: 1

[\[All 300-415 Questions\]](#)

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

- A. vSmart# show running-config policy
- B. vEdge# show running-config data policy
- C. vSmart# show running-config apply policy
- D. vEdge# show policy from-vsmart

Show Suggested Answer



Actual exam question from Cisco's 300-415

Question #: 98

Topic #: 1

[\[All 300-415 Questions\]](#)

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

Enable NAT functionality

Create centralized data policy

Identify VPN and match criteria

Step 1

Step 2

Step 3

Step 4

Show Suggested Answer





Actual exam question from Cisco's 300-415

Question #: 99

Topic #: 1

[\[All 300-415 Questions\]](#)

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

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

Show Suggested Answer



Actual exam question from Cisco's 300-415

Question #: 100

Topic #: 1

[\[All 300-415 Questions\]](#)

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
```

Show Suggested Answer





Actual exam question from Cisco's 300-415

Question #: 101

Topic #: 1

[\[All 300-415 Questions\]](#)

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

Show Suggested Answer



Actual exam question from Cisco's 300-415

Question #: 102

Topic #: 1

[\[All 300-415 Questions\]](#)

DRAG DROP -

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

Select and Place:

VPN 512

VPN 10

route-map

organization name

VPN 0

routing policy

transport VPN

management VPN

service VPN

system information

Show Suggested Answer





Actual exam question from Cisco's 300-415

Question #: 103

Topic #: 1

[\[All 300-415 Questions\]](#)

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

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

Show Suggested Answer





Actual exam question from Cisco's 300-415

Question #: 104

Topic #: 1

[\[All 300-415 Questions\]](#)

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

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

Show Suggested Answer





Actual exam question from Cisco's 300-415

Question #: 105

Topic #: 1

[\[All 300-415 Questions\]](#)

An administrator needs to configure Cisco SD-WAN to divert traffic from the company's private network to an ISP network. Which action should be taken to accomplish this goal?

- A. configure the security policy
- B. configure the control policy
- C. configure the data policy
- D. configure the application aware policy

Show Suggested Answer



Actual exam question from Cisco's 300-415

Question #: 106

Topic #: 1

[\[All 300-415 Questions\]](#)

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

grouping of VPNs where the data traffic flows terminate

matching condition that allows traffic flow between two zones

container that associates forwarding and blocking decisions

destination zone

source zone

firewall policy

zone pair

Show Suggested Answer





Actual exam question from Cisco's 300-415

Question #: 107

Topic #: 1

[\[All 300-415 Questions\]](#)

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

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

Show Suggested Answer





Actual exam question from Cisco's 300-415

Question #: 108

Topic #: 1

[\[All 300-415 Questions\]](#)

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

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

Show Suggested Answer



Actual exam question from Cisco's 300-415

Question #: 109

Topic #: 1

[\[All 300-415 Questions\]](#)

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

A. 0.0.0.0/0 le 16

B. 0.0.0.0/1 le 16

C. 0.0.0.0/0 ge 1

D. 0.0.0.0/16 ge 1

Show Suggested Answer



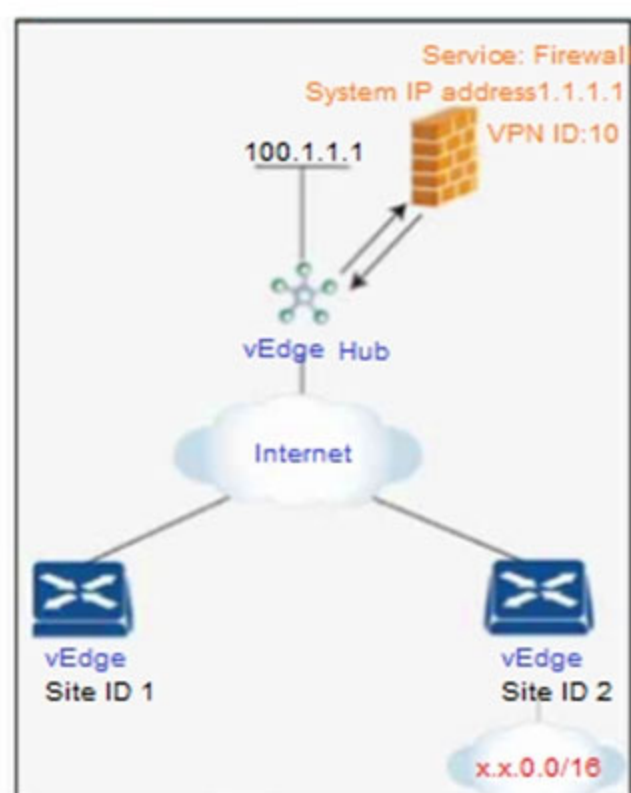
Actual exam question from Cisco's 300-415

Question #: 110

Topic #: 1

[\[All 300-415 Questions\]](#)

Refer to the exhibit. An engineer is configuring service chaining. Which set of configurations is required for all traffic from Site ID 1 going toward Site ID 2 to get filtered through the firewall on the hub site?



A.

```

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

```

B.

```

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

```

C.

```

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

```

D.

```

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

```

Show Suggested Answer





Actual exam question from Cisco's 300-415

Question #: 111

Topic #: 1

[\[All 300-415 Questions\]](#)

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

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

Show Suggested Answer





Actual exam question from Cisco's 300-415

Question #: 112

Topic #: 1

[\[All 300-415 Questions\]](#)

An administrator must configure an ACL for traffic coming in from the service-side VPN on a specific WAN Edge device with circuit ID 123456789. Which policy must be used to configure this ACL?

- A. local data policy
- B. central data policy
- C. app-aware policy
- D. central control policy

[Show Suggested Answer](#)

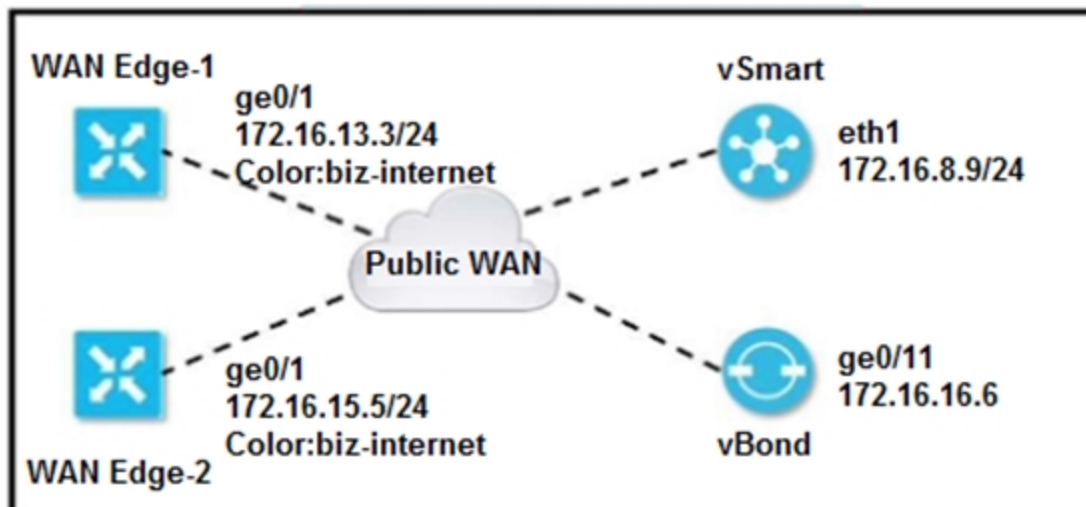


Actual exam question from Cisco's 300-415

Question #: 113

Topic #: 1

[\[All 300-415 Questions\]](#)



Refer to the exhibit. The tunnel interface configuration on both WAN Edge routers is:

```

vpn 0
interface ge0/1
tunnel-interface
encapsulation ipsec
color biz-internet
allow-service dhcp
allow-service dns
allow-service icmp
no allow-service sshd
no allow-service ntp
no allow-service stun
!
no shutdown
  
```

Which configuration for WAN Edge routers will connect to the Internet?

A.

```

vpn 0
interface ge0/1
ip address 172.16.15.5/24
!
ip route 0.0.0.0/0 172.16.8.1
  
```

B.

```

vpn 0
interface ge0/1
ip address 172.16.15.5/24
!
ip route 0.0.0.0/0 172.16.13.1
  
```

C.

```

vpn 0
interface ge0/1
ip address 172.16.13.3/24
!
ip route 0.0.0.0/0 172.16.13.1
  
```

D.

```

vpn 0
interface ge0/1
ip address 172.16.13.3/24
!
ip route 0.0.0.0/0 172.16.8.1
  
```

Show Suggested Answer



Actual exam question from Cisco's 300-415

Question #: 114

Topic #: 1

[\[All 300-415 Questions\]](#)

```
Site 1:
vpn10
  service FW address 1.1.1.1

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

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

Refer to the exhibit. Which configuration routes Site 2 through the firewall in Site 1?

A.

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

B.

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

C.

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

D.

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

Show Suggested Answer

Actual exam question from Cisco's 300-415

Question #: 115

Topic #: 1

[\[All 300-415 Questions\]](#)

A customer is receiving routes via OMP from vSmart controller for a specific VPN. The customer must provide access to the W2 loopback received via OMP to the OSPF neighbor on the service-side VPN. Which configuration fulfills these requirements?

A.

```
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
 set
  metric 100
 metric-type type1
```

B.

```
vpn 0
router
ospf
 redistribute omp route-policy OSPF_Route_Policy
 area 0
 interface ge0/2
 exit
lists
prefix-list W2_Loopback
 ip-prefix 10.10.10.5/24
!
route-policy OSPF_Route_Policy
sequence 1
 match
  address W2_Loopback
!
 default action accept
 set
  metric 100
 metric-type type1
```

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 10.10.10.5/24
!
route-policy OSPF_Route_Policy
sequence 1
 match
  address W2_Loopback
!
 default action accept
 set
  metric 100
 metric-type type1
```

Show Suggested Answer

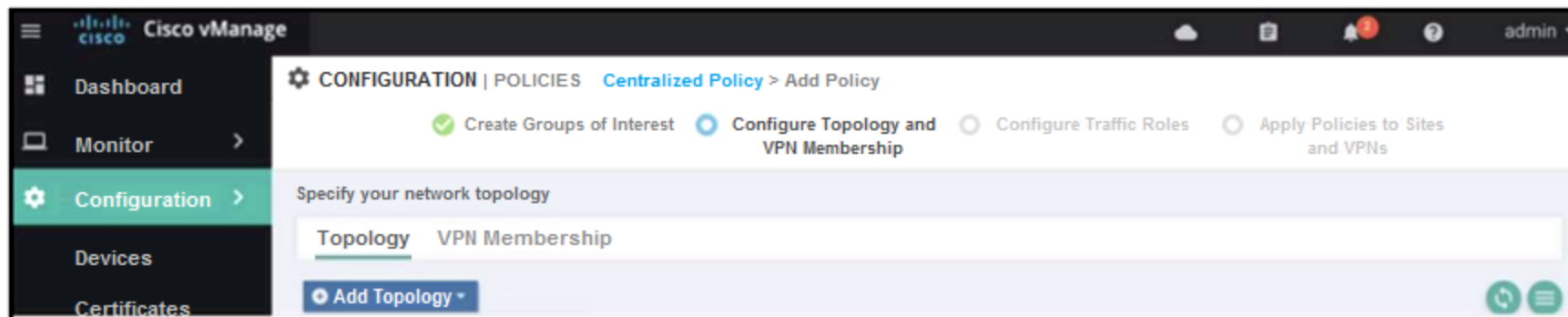


Actual exam question from Cisco's 300-415

Question #: 116

Topic #: 1

[\[All 300-415 Questions\]](#)



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

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

Show Suggested Answer



Actual exam question from Cisco's 300-415

Question #: 117

Topic #: 1

[\[All 300-415 Questions\]](#)

Which feature allows reachability to an organization's internally hosted applications for an active DNS security policy on a device?

- A. data policy with redirect
- B. local domain bypass
- C. DNSCrypt configuration
- D. DHCP option 6

Show Suggested Answer





Actual exam question from Cisco's 300-415

Question #: 118

Topic #: 1

[\[All 300-415 Questions\]](#)

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

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

[Show Suggested Answer](#)



Actual exam question from Cisco's 300-415

Question #: 119

Topic #: 1

[\[All 300-415 Questions\]](#)

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

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

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

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

Show Suggested Answer



Actual exam question from Cisco's 300-415

Question #: 120

Topic #: 1

[\[All 300-415 Questions\]](#)

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

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

Show Suggested Answer





Actual exam question from Cisco's 300-415

Question #: 121

Topic #: 1

[\[All 300-415 Questions\]](#)

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

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

Show Suggested Answer

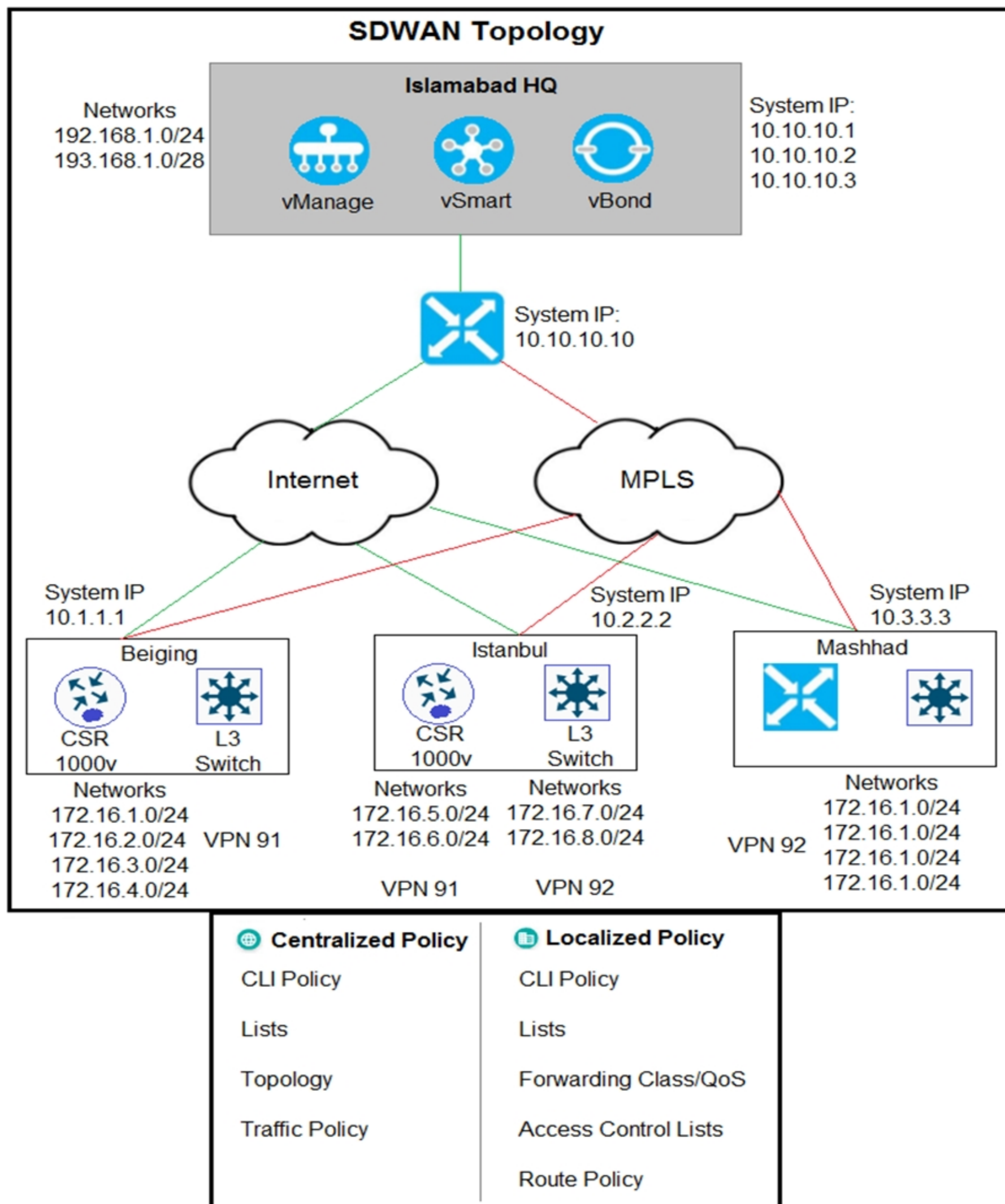


Actual exam question from Cisco's 300-415

Question #: 122

Topic #: 1

[\[All 300-415 Questions\]](#)



Refer to the exhibit. The Cisco SD-WAN network is configured with a default full-mesh topology. Islamabad HQ and Islamabad WAN Edges must be used as the hub sites. Hub sites MPLS TLOC must be preferred when forwarding FTP traffic based on a configured SLA class list. Which policy configuration does the network engineer use to call the SLA class and set the preferred color to MPLS?

- A. Centralized Policy, Traffic Policy
- B. Centralized Policy, Topology
- C. Localized Policy, Forwarding Class
- D. Localized Policy, Route Policy

Show Suggested Answer

Actual exam question from Cisco's 300-415

Question #: 123

Topic #: 1

[\[All 300-415 Questions\]](#)

```
vpn 1
service netsvc1 interface ipsec1

from-vsmart data-policy_1_ServiceIseritionIPSec
direction from-service
vpn-list 1
  sequence 1
  match
    destination-ip 1.1.1.1/32
  action accept
  set
    service netsvc1
  default-action accept
from-vsmart lists vpn-list 1
vpn 1
```

Refer to the exhibit. Which command allows traffic through the IPsec tunnel configured in VPN 0?

- A. service netsvc1 vpn1
- B. service netsvc1 address 1.1.1.1
- C. service FW address 1.1.1.1
- D. service local

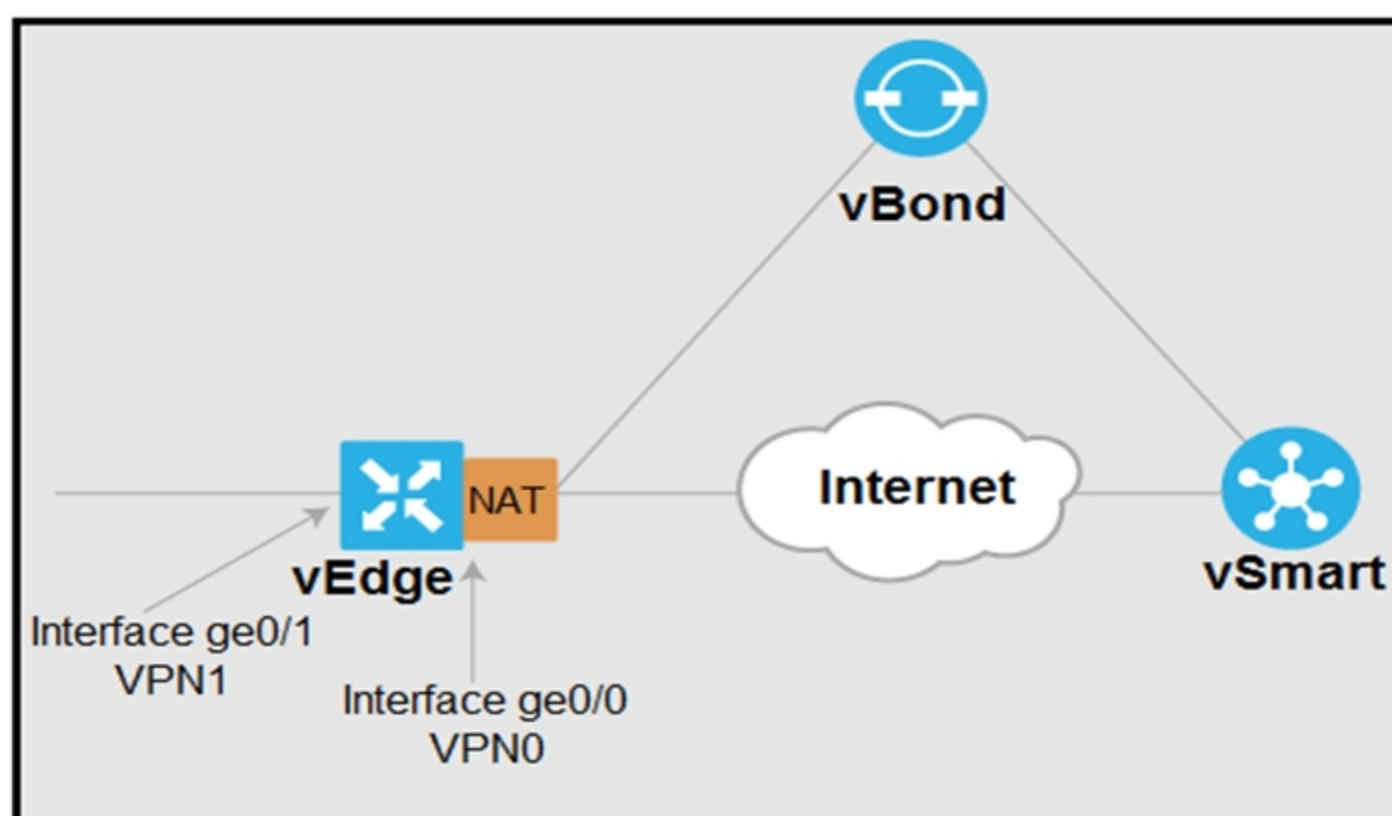
Show Suggested Answer

Actual exam question from Cisco's 300-415

Question #: 124

Topic #: 1

[\[All 300-415 Questions\]](#)



Refer to the exhibit. Which configuration sets up direct Internet access for VPN 1?

A.

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

B.

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

C.

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

D.

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

Show Suggested Answer



Actual exam question from Cisco's 300-415

Question #: 125

Topic #: 1

[\[All 300-415 Questions\]](#)

An enterprise has several sites with multiple VPNs that are isolated from each other. A new requirement came where users in VPN 73 must be able to talk to users in VPN 50. Which configuration meets this requirement?

A.

```
policy
control-policy Route_Leaking
sequence 1
match route
vpn-list VPN_73
prefix-list_AnyIpv4PrefixList
action accept
export-to-vpn-list VPN_50
sequence 11
match route
vpn-list VPN_50
prefix-list_AnyIpv4PrefixList
action accept
export-to vpn-list VPN_73
default-action accept
```

B.

```
policy
control-policy Route_Leaking
sequence 1
match route
VPN_50 VPN_73
prefix-list_AnyIpv4PrefixList
action accept
export-to VPN_73 VPN_50
```

C.

```
policy
control-policy Route_Leaking
sequence 1
match route
VPN_ALL
prefix-list_AnyIpv4PrefixList
action accept
export-to VPN_ALL
```

D.

```
policy
control-policy Route_Leaking
sequence 1
match route
VPN_73
prefix-list_AnyIpv4PrefixList
export-to VPN_50
sequence 11
match route
VPN_50
prefix-list_AnyIpv4PrefixList
export-to VPN_73
default-action accept
```

Show Suggested Answer





Actual exam question from Cisco's 300-415

Question #: 126

Topic #: 1

[\[All 300-415 Questions\]](#)

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

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

Show Suggested Answer



Actual exam question from Cisco's 300-415

Question #: 127

Topic #: 1

[\[All 300-415 Questions\]](#)

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 fulfills 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
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
```

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
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
```

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 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
```

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 reject
set
vpn 10
tloc-list Hub_TLOCs
default-action accept
!
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
```

Show Suggested Answer





Actual exam question from Cisco's 300-415

Question #: 128

Topic #: 1

[\[All 300-415 Questions\]](#)

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

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

Show Suggested Answer





Actual exam question from Cisco's 300-415

Question #: 129

Topic #: 1

[\[All 300-415 Questions\]](#)

Which scheduling method is configured by default for the eight queues in the cloud vEdge router?

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

Show Suggested Answer





Actual exam question from Cisco's 300-415

Question #: 130

Topic #: 1

[\[All 300-415 Questions\]](#)

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

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

Show Suggested Answer





Actual exam question from Cisco's 300-415

Question #: 131

Topic #: 1

[\[All 300-415 Questions\]](#)

What is a benefit of the application-aware firewall?

- A. It blocks traffic by MTU of the packet
- B. It blocks encrypted traffic
- C. It blocks traffic by application
- D. It blocks traffic by MAC address

Show Suggested Answer



Actual exam question from Cisco's 300-415

Question #: 132

Topic #: 1

[\[All 300-415 Questions\]](#)

```
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
```

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

- A. A TCP packet sourcing from 172.16.10.1 and destined to 172.16.20.1 is dropped
- B. A UDP packet sourcing from 172.16.20.1 and destined to 172.16.10.1 is accepted
- C. A UDP packet sourcing 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

Show Suggested Answer

Actual exam question from Cisco's 300-415

Question #: 133

Topic #: 1

[\[All 300-415 Questions\]](#)

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

A.

policy

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

B.

policy

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

C.

policy

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

D.

policy

```
policer ccnp-traffic  
rate 1000000  
burst 20000  
exceed remark
```

Show Suggested Answer



Actual exam question from Cisco's 300-415

Question #: 134

Topic #: 1

[\[All 300-415 Questions\]](#)

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

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

Show Suggested Answer



Actual exam question from Cisco's 300-415

Question #: 135

Topic #: 1

[\[All 300-415 Questions\]](#)

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

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

Show Suggested Answer





Actual exam question from Cisco's 300-415

Question #: 136

Topic #: 1

[\[All 300-415 Questions\]](#)

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

Show Suggested Answer





Actual exam question from Cisco's 300-415

Question #: 137

Topic #: 1

[\[All 300-415 Questions\]](#)

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

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

Show Suggested Answer





Actual exam question from Cisco's 300-415

Question #: 138

Topic #: 1

[\[All 300-415 Questions\]](#)

A network administrator is configuring QoS on a WAN Edge 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
- B. Netflow
- C. Application
- D. Cloud QoS Service side

[Show Suggested Answer](#)





Actual exam question from Cisco's 300-415

Question #: 139

Topic #: 1

[\[All 300-415 Questions\]](#)

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

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

Show Suggested Answer



Actual exam question from Cisco's 300-415

Question #: 140

Topic #: 1

[\[All 300-415 Questions\]](#)

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

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

Show Suggested Answer





Actual exam question from Cisco's 300-415

Question #: 141

Topic #: 1

[\[All 300-415 Questions\]](#)

An engineer is configuring a WAN Edge router for DIA based on matching QoS parameters. Which two actions accomplish this task? (Choose two.)

- A. Apply a data policy on WAN interface
- B. Configure a control policy
- C. Apply a QoS map policy
- D. Configure NAT on the transport interface
- E. Configure a centralized data policy

Show Suggested Answer

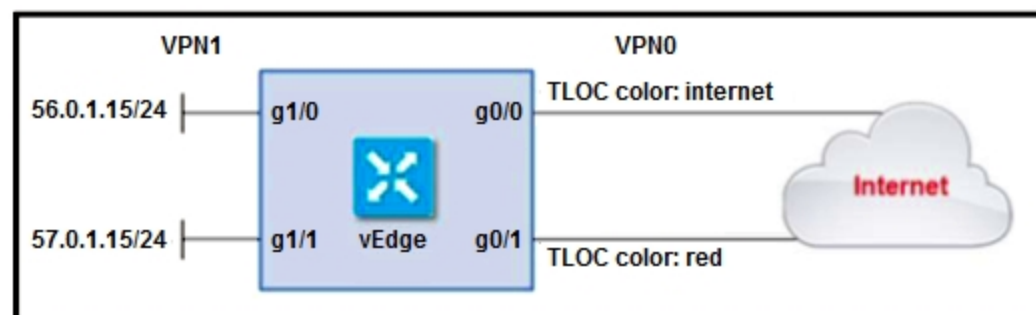


Actual exam question from Cisco's 300-415

Question #: 142

Topic #: 1

[\[All 300-415 Questions\]](#)



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

A.

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

B.

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

C.

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

D.

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

Show Suggested Answer



Actual exam question from Cisco's 300-415

Question #: 143

Topic #: 1

[\[All 300-415 Questions\]](#)

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

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

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

- A. 9
- B. 9000
- C. 90000
- D. 9000000

Show Suggested Answer



Actual exam question from Cisco's 300-415

Question #: 144

Topic #: 1

[\[All 300-415 Questions\]](#)

An engineer wants to change the configuration of the certificate authorization mode from manual to automated. Which GUI selection will accomplish this?

- A. Maintenance > Security
- B. Configuration > Certificates
- C. Administration > Settings
- D. Tools > Operational Commands

Show Suggested Answer



Actual exam question from Cisco's 300-415

Question #: 145

Topic #: 1

[\[All 300-415 Questions\]](#)

Which two requirements must be met for DNS inspection when integrating with Cisco Umbrella? (Choose two.)

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

Show Suggested Answer





Actual exam question from Cisco's 300-415

Question #: 146

Topic #: 1

[\[All 300-415 Questions\]](#)

Which two features does the application firewall provide? (Choose two.)

- A. blocks traffic by application or application-family
- B. numbered sequences of match-action pairs
- C. classification of 1000+ layer 4 applications
- D. application match parameters
- E. classification of 1400+ layer 7 applications

Show Suggested Answer





Actual exam question from Cisco's 300-415

Question #: 147

Topic #: 1

[\[All 300-415 Questions\]](#)

The network administrator is configuring a QoS scheduling policy on traffic received from transport side tunnels on WAN Edge 5000 routers at location:405608122. Which command must be configured on these devices?

- A. mls qos
- B. cloud-qos
- C. service qos
- D. cloud-mls qos

Show Suggested Answer



Actual exam question from Cisco's 300-415

Question #: 148

Topic #: 1

[\[All 300-415 Questions\]](#)

The screenshot shows the Cisco vManager GUI interface. The top navigation bar includes the Cisco logo, the text "Cisco vManage", and a user profile "admin". Below this, the breadcrumb navigation shows "CONFIGURATION | POLICIES Localized Policy > Define Lists". A "Custom Options" dropdown menu is visible in the top right. The main content area is titled "Select a list type on the left and start creating your groups of interest". On the left, a sidebar menu lists various list types: AS Path, Community, Data Prefix, Extended Community, Class Map (highlighted in green), Mirror, Policer, and Prefix. The "Class Map" section is active, and a "New Class List" button is visible. A modal window titled "Class List" is open, showing a form with a "Class" field containing "VOICE" and a "Queue" dropdown menu. The "Queue" dropdown is highlighted with a red box. At the bottom of the modal, there are "Save" and "Cancel" buttons, with the "Save" button also highlighted by a red box.

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

- A. 0
- B. 1
- C. 2
- D. 3

Show Suggested Answer

Actual exam question from Cisco's 300-415

Question #: 149

Topic #: 1

[\[All 300-415 Questions\]](#)

An engineer is configuring a shaping rate of 1 Mbps on the WAN link of a WAN Edge router. Which configuration accomplishes this task?

A.

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

B.

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

C.

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

D.

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

Show Suggested Answer



Actual exam question from Cisco's 300-415

Question #: 150

Topic #: 1

[\[All 300-415 Questions\]](#)

An engineer must improve video quality by limiting HTTP traffic to the Internet without any failover. Which configuration in vManage achieves this goal?

A.

The screenshot shows the 'App Route' configuration interface. Under 'Match Conditions', 'Application/Application Family List' is set to 'HTTP'. Under 'Actions', 'SLA Class' is set to 'Data_SLA', 'Preferred Color' is set to 'public-internet', and the 'Strict' checkbox is checked. The 'Backup SLA Preferred Color' field is empty. At the bottom, there are buttons for 'Save Match And Actions' and 'Cancel', and a larger 'Save Application Aware Routing Policy' button with a 'CANCEL' link next to it.

B.

The screenshot shows the 'App Route' configuration interface. Under 'Match Conditions', 'Application/Application Family List' is set to 'HTTP'. Under 'Actions', 'SLA Class' is set to 'Data_SLA', 'Preferred Color' is set to 'public-internet', the 'Strict' checkbox is checked, and 'Backup SLA Preferred Color' is set to 'mpls'. At the bottom, there are buttons for 'Save Application Aware Routing Policy' and 'CANCEL'.

C.

The screenshot shows the 'App Route' configuration interface. Under 'Match Conditions', 'Application/Application Family List' is set to 'HTTP'. Under 'Actions', 'SLA Class' is set to 'Data_SLA', 'Preferred Color' is set to 'public-internet', the 'Strict' checkbox is unchecked, and 'Backup SLA Preferred Color' is set to 'public-internet'. At the bottom, there are buttons for 'Save Application Aware Routing Policy' and 'CANCEL'.

D.

The screenshot shows the 'App Route' configuration interface. Under 'Match Conditions', 'Application/Application Family List' is set to 'HTTP'. Under 'Actions', 'SLA Class' is set to 'Data_SLA', 'Preferred Color' is set to 'mpls', the 'Strict' checkbox is unchecked, and 'Backup SLA Preferred Color' is set to 'public-internet'. At the bottom, there are buttons for 'Save Application Aware Routing Policy' and 'CANCEL'.

Show Suggested Answer



Actual exam question from Cisco's 300-415

Question #: 151

Topic #: 1

[\[All 300-415 Questions\]](#)

An engineer configures policing with a rate of 125 Bps and a burst rate of 8000 bits, as shown here:

```
policy
  policer p1
  rate
  burst
  exceed drop
!
access-list acl1
  sequence 1
  match
  source-ip 2.2.0.0/16
  destination-ip 10.1.1.0/24 100.1.1.0/24
  destination-port 20 30
  protocol 6 17 23
!
action accept
  policer p1
!
default-action drop
!
vpn 1
interface ge0/4
  description Policy ID: B412:A29D:65G3::5
  ip address 10.20.24.15/24
  no shutdown
  access-list acl1 out
!
```

Which configuration completes this task?

- A. Configure 125 for rate and 1000 for burst.
- B. Configure 125 for rate and 8000 for burst.
- C. Configure 1000 for rate and 1000 for burst.
- D. Configure 1000 for rate and 64000 for burst.

Show Suggested Answer



Actual exam question from Cisco's 300-415

Question #: 152

Topic #: 1

[\[All 300-415 Questions\]](#)

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

Show Suggested Answer





Actual exam question from Cisco's 300-415

Question #: 153

Topic #: 1

[\[All 300-415 Questions\]](#)

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

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

Show Suggested Answer





Actual exam question from Cisco's 300-415

Question #: 154

Topic #: 1

[\[All 300-415 Questions\]](#)

Which command disables the logging of syslog messages to the local disk?

- A. no system logging disk local
- B. system logging server remote
- C. no system logging disk enable
- D. system logging disk disable

Show Suggested Answer





Actual exam question from Cisco's 300-415

Question #: 155

Topic #: 1

[\[All 300-415 Questions\]](#)

Which combination of platforms is managed by vManage?

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

Show Suggested Answer





Actual exam question from Cisco's 300-415

Question #: 156

Topic #: 1

[\[All 300-415 Questions\]](#)

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

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

Show Suggested Answer





Actual exam question from Cisco's 300-415

Question #: 157

Topic #: 1

[\[All 300-415 Questions\]](#)

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

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

[Show Suggested Answer](#)





Actual exam question from Cisco's 300-415

Question #: 158

Topic #: 1

[\[All 300-415 Questions\]](#)

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}}`

Show Suggested Answer



Actual exam question from Cisco's 300-415

Question #: 159

Topic #: 1

[\[All 300-415 Questions\]](#)

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

Show Suggested Answer

Actual exam question from Cisco's 300-415

Question #: 160

Topic #: 1

[\[All 300-415 Questions\]](#)

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

Show Suggested Answer





Actual exam question from Cisco's 300-415

Question #: 161

Topic #: 1

[\[All 300-415 Questions\]](#)

Which logs verify when a device was upgraded?

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

Show Suggested Answer





Actual exam question from Cisco's 300-415

Question #: 163

Topic #: 1

[\[All 300-415 Questions\]](#)

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

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

Show Suggested Answer





Actual exam question from Cisco's 300-415

Question #: 164

Topic #: 1

[\[All 300-415 Questions\]](#)

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

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

[Show Suggested Answer](#)



Actual exam question from Cisco's 300-415

Question #: 165

Topic #: 1

[\[All 300-415 Questions\]](#)

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

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

Show Suggested Answer



Actual exam question from Cisco's 300-415

Question #: 166

Topic #: 1

[\[All 300-415 Questions\]](#)

The screenshot shows the Cisco vManage interface for configuring OMP templates. The left sidebar contains navigation options: Dashboard, Monitor, Configuration (selected), Devices, Certificates, Templates, Policies, Security, CloudExpress, Cloud onRamp, Tools, Maintenance, Administration, and vAnalytics. The main content area is titled 'CONFIGURATION | TEMPLATES' and shows the 'Device' tab for 'vEdge Cloud'. The 'Add Template' path is 'OMP'. The 'Basic Configuration' tab is active, showing several settings: 'Graceful Restart for OMP' (On), 'Overlay AS Number' (empty), 'Graceful Restart Timer (seconds)' (empty), 'Number of Paths Advertised per Prefix' (highlighted with a red box), 'ECMP Limit' (empty), and 'Shutdown' (No).

Refer to the exhibit. A network administrator is configuring OMP in vManage to advertise all the paths for the same prefix from a site that has two WAN Edge devices. Each WAN Edge device is connected to three ISPs and two private MPLS transports. What is the minimum value for `Number of Paths advertised per Prefix` that should be configured?

- A. 2
- B. 3
- C. 5
- D. 10

Show Suggested Answer



Actual exam question from Cisco's 300-415

Question #: 167

Topic #: 1

[\[All 300-415 Questions\]](#)

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

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

Show Suggested Answer





Actual exam question from Cisco's 300-415

Question #: 168

Topic #: 1

[\[All 300-415 Questions\]](#)

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

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

Show Suggested Answer





Actual exam question from Cisco's 300-415

Question #: 169

Topic #: 1

[\[All 300-415 Questions\]](#)

Which secure connection should be used to access the REST APIs through the Cisco vManage web server?

- A. authenticated DTLS
- B. authenticated HTTPS
- C. JSON Inspector interface
- D. HTTP inspector interface

Show Suggested Answer



Actual exam question from Cisco's 300-415

Question #: 170

Topic #: 1

[\[All 300-415 Questions\]](#)

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

Show Suggested Answer





Actual exam question from Cisco's 300-415

Question #: 171

Topic #: 1

[\[All 300-415 Questions\]](#)

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

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

Show Suggested Answer





Actual exam question from Cisco's 300-415

Question #: 173

Topic #: 1

[\[All 300-415 Questions\]](#)

What is a description of vManage NMS?

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

Show Suggested Answer





Actual exam question from Cisco's 300-415

Question #: 175

Topic #: 1

[\[All 300-415 Questions\]](#)

Where on vManage does an engineer find the details of control node failure?

- A. Alarms
- B. Events
- C. Audit log
- D. Network

Show Suggested Answer



Actual exam question from Cisco's 300-415

Question #: 176

Topic #: 1

[\[All 300-415 Questions\]](#)

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.

Show Suggested Answer



Actual exam question from Cisco's 300-415

Question #: 177

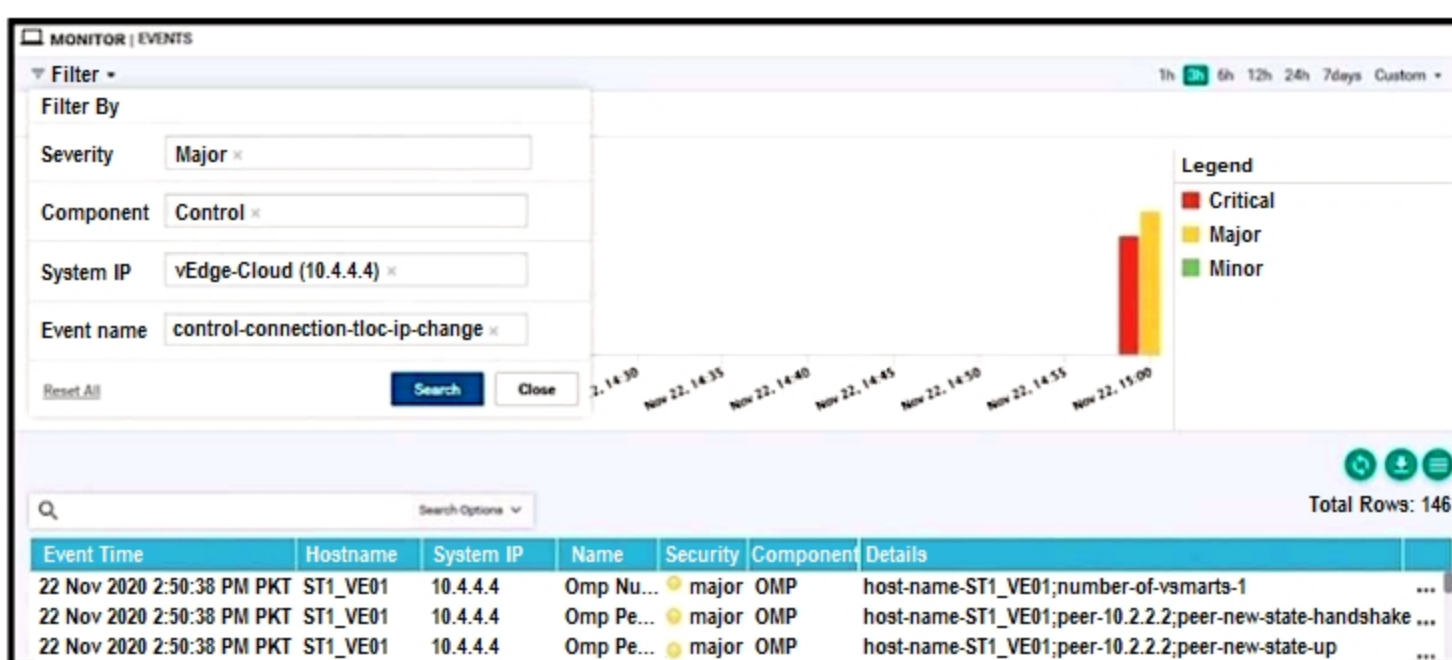
Topic #: 1

[\[All 300-415 Questions\]](#)

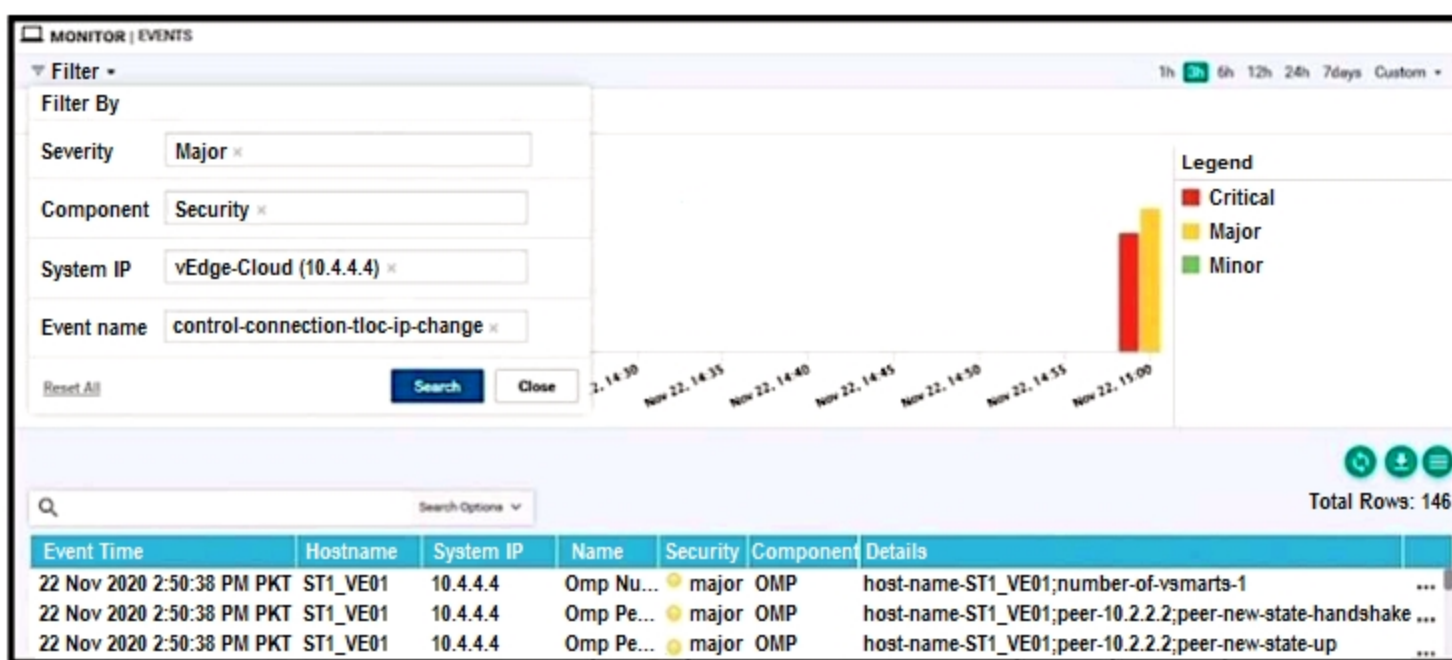
Update Device Template	
Variable List (Hover over each field for more information)	
System IP	10.4.4.4
Hostname	ST1_VE01
Prefix(vEdge_Default_Gateway)	0.0.0.0/0
Prefix(Mpls_Default_Gateway)	0.0.0.0/0
Address(vEdge_Next_Hop_IP)	10.50.0.102
Address(MPLS_Next_hop_ip)	10.20.0.102
Hostname(Device_host_name)	vEdge-Cloud
Location(Device_location)	US
Latitude(Device_latitude)	40.7128
Longitude(Device_longitude)	74.0060
System IP(Device_system_ip)	10.4.4.4
Site ID(Device_site_id)	1

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

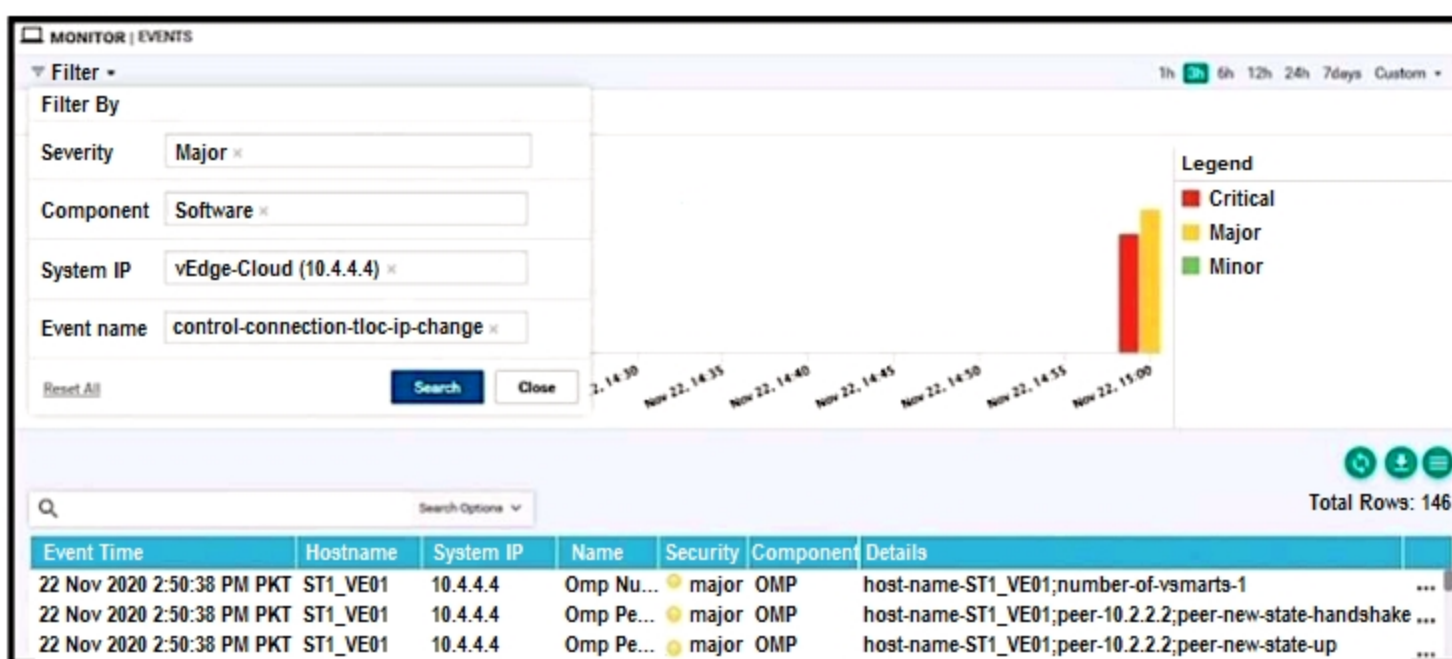
A.



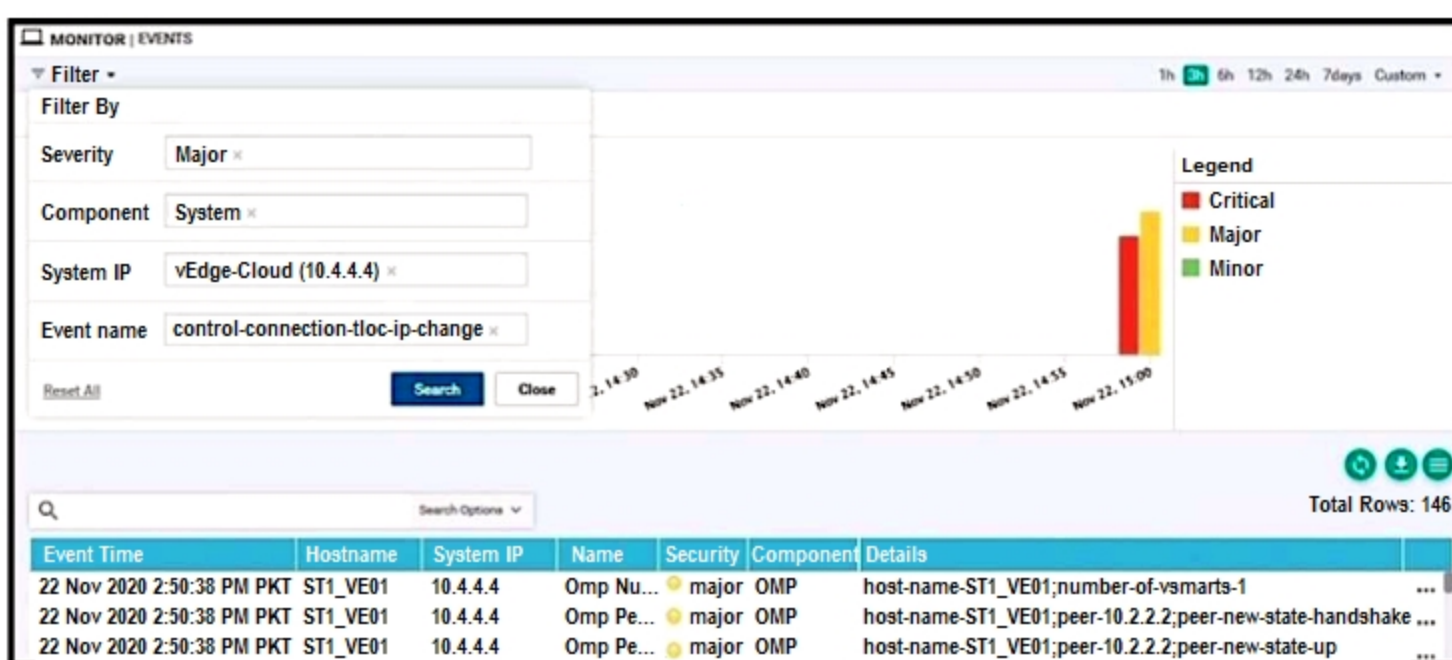
B.



C.



D.



Show Suggested Answer



Actual exam question from Cisco's 300-415

Question #: 178

Topic #: 1

[\[All 300-415 Questions\]](#)

A customer must upgrade the Cisco SD-WAN devices and controllers from version 19.2 to version 20.3. The devices include WAN Edge Cloud, vManage, vSmart, and vBond. Which types of image files are needed for this upgrade?

- A. one file for vManage and one file for all other devices with extension .bin
- B. one file for vManage, one for vSmart, and one for vBond + WAN Edge Cloud with extension .bin
- C. one file for vManage and one file for all other devices with extension tar.gz
- D. one file for vManage, one for vSmart, and one for vBond + WAN Edge Cloud with extension tar.gz

Show Suggested Answer





Actual exam question from Cisco's 300-415

Question #: 179

Topic #: 1

[\[All 300-415 Questions\]](#)

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

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

Show Suggested Answer



Actual exam question from Cisco's 300-415

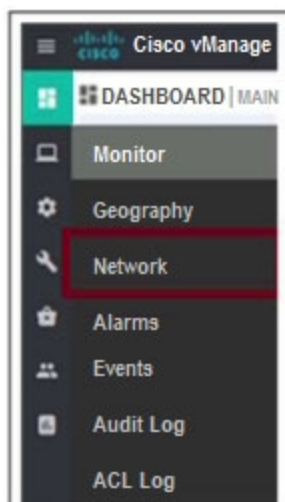
Question #: 180

Topic #: 1

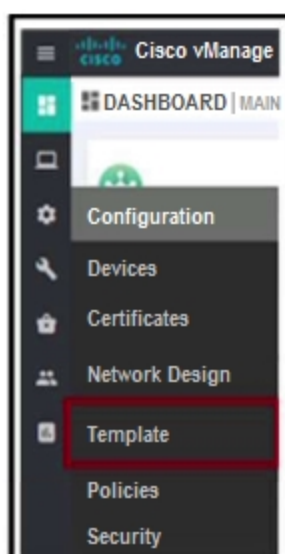
[\[All 300-415 Questions\]](#)

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

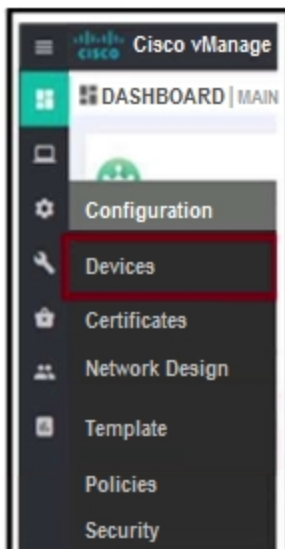
A.



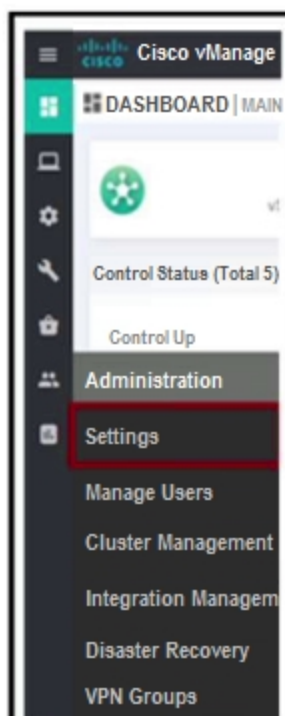
B.



C.



D.



Show Suggested Answer





Actual exam question from Cisco's 300-415

Question #: 181

Topic #: 1

[\[All 300-415 Questions\]](#)

An engineer is adding a tenant with location ID 123456789 in vManage. What is the maximum number of alphanumeric characters that is accepted in the tenant name field?

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

Show Suggested Answer



Actual exam question from Cisco's 300-415

Question #: 182

Topic #: 1

[\[All 300-415 Questions\]](#)

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-plane availability when other controllers are being updated.
- B. Upgrade and reboot are performed first on vManage, then on vBond, then on vSmart, and finally on the Cisco WAN Edge devices.
- C. 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.
- D. Upgrade and reboot are performed first on vBond, then on vSmart, and finally on the Cisco WAN Edge devices.

Show Suggested Answer



Actual exam question from Cisco's 300-415

Question #: 183

Topic #: 1

[\[All 300-415 Questions\]](#)

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

A.

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

B.

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

C.

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

D.

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

Show Suggested Answer

Actual exam question from Cisco's 300-415

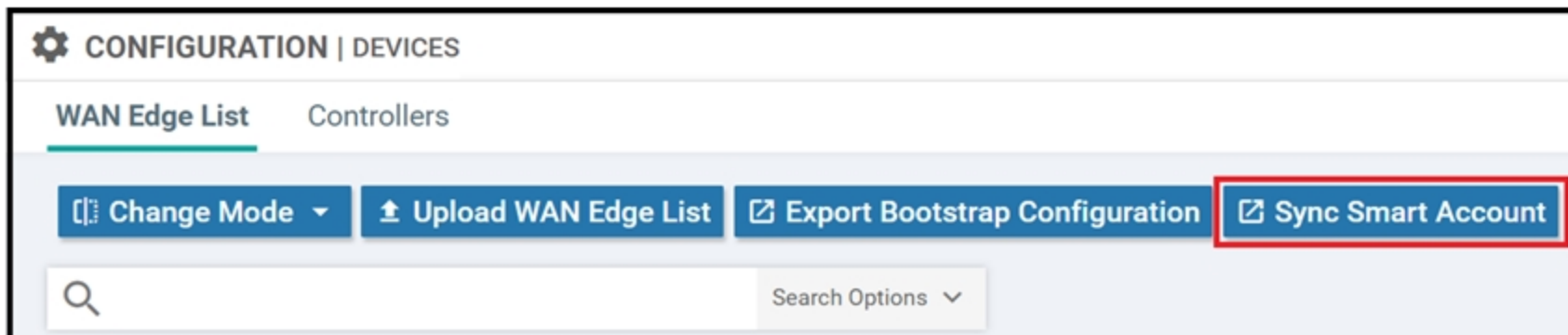
Question #: 184

Topic #: 1

[\[All 300-415 Questions\]](#)

An administrator must deploy the controllers using the On-Prem method while vManage can access the PnP portal from inside. How are the two WAN Edge authorized allowed lists to be made available to vManage? (Choose two.)

A.



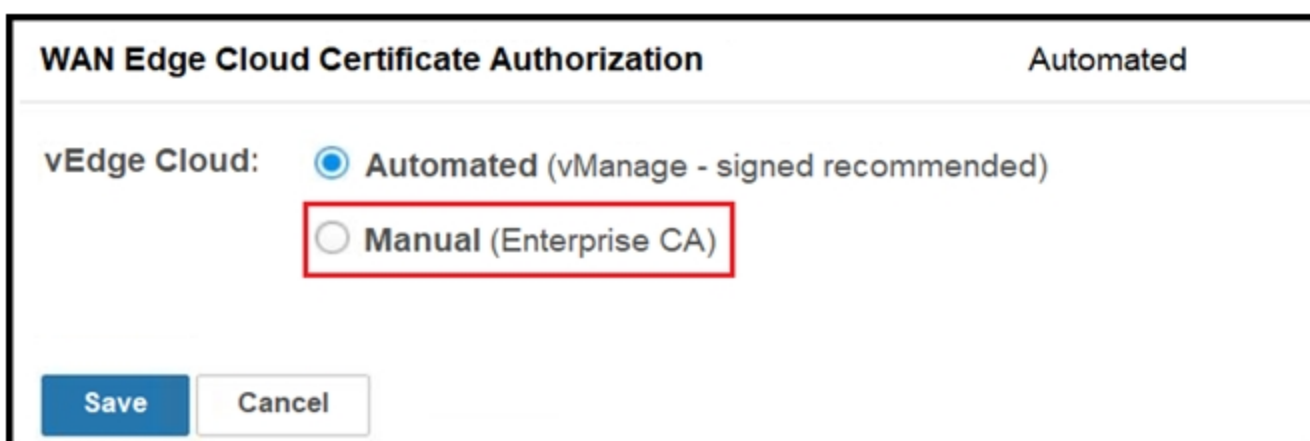
CONFIGURATION | DEVICES

WAN Edge List | Controllers

Change Mode | Upload WAN Edge List | Export Bootstrap Configuration | Sync Smart Account

Search Options

B.

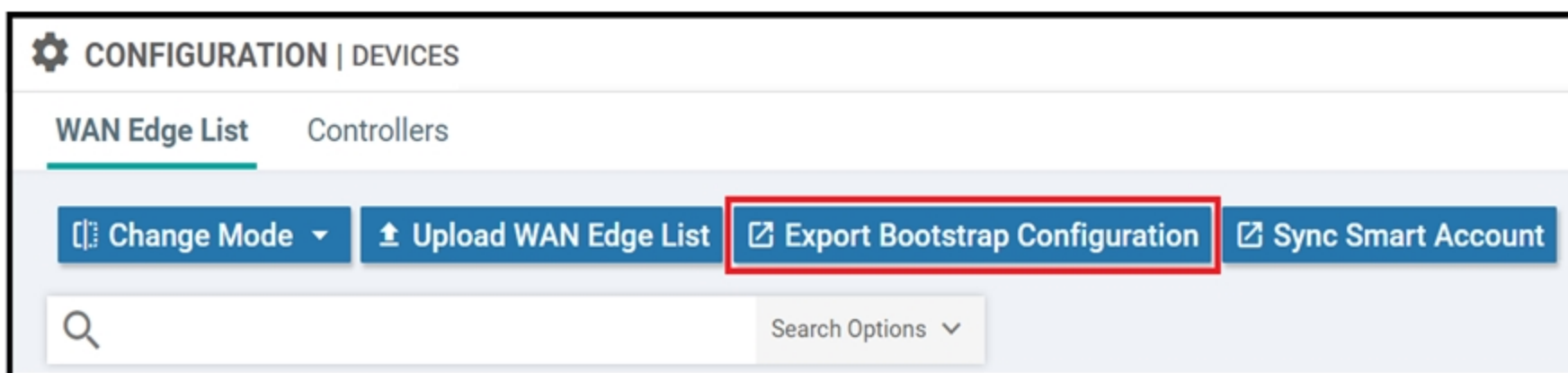


WAN Edge Cloud Certificate Authorization | Automated

vEdge Cloud: Automated (vManage - signed recommended) Manual (Enterprise CA)

Save | Cancel

C.



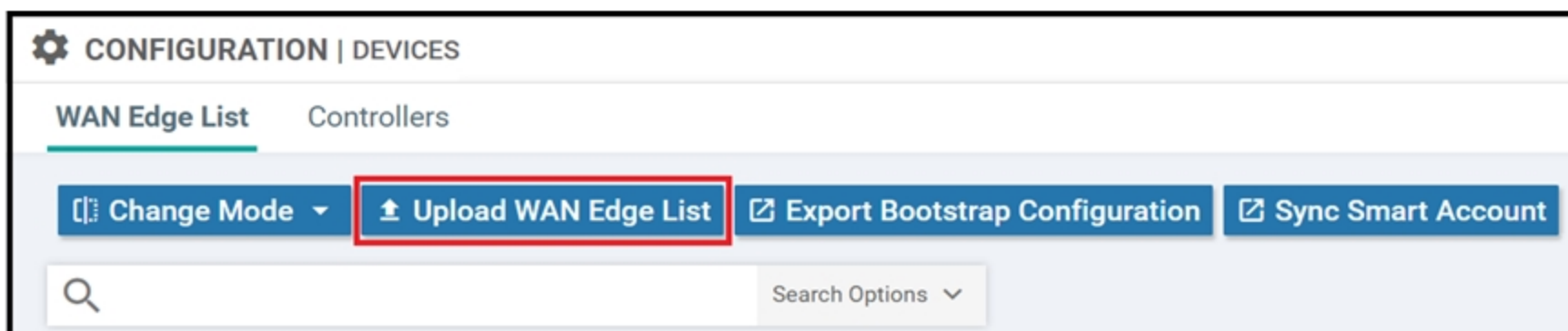
CONFIGURATION | DEVICES

WAN Edge List | Controllers

Change Mode | Upload WAN Edge List | Export Bootstrap Configuration | Sync Smart Account

Search Options

D.



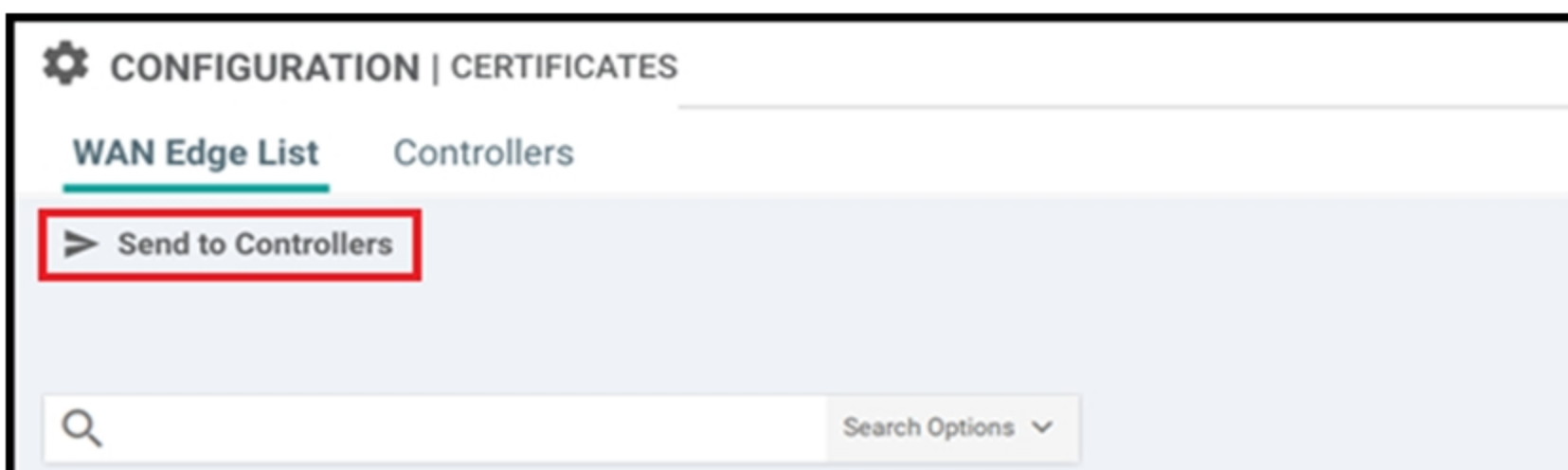
CONFIGURATION | DEVICES

WAN Edge List | Controllers

Change Mode | Upload WAN Edge List | Export Bootstrap Configuration | Sync Smart Account

Search Options

E.



CONFIGURATION | CERTIFICATES

WAN Edge List | Controllers

Send to Controllers

Search Options

Show Suggested Answer





Actual exam question from Cisco's 300-415

Question #: 186

Topic #: 1

[\[All 300-415 Questions\]](#)

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 included in a configured policy
- D. if the image is uploaded by a WAN Edge device

Show Suggested Answer





Actual exam question from Cisco's 300-415

Question #: 187

Topic #: 1

[\[All 300-415 Questions\]](#)

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. Cisco AMP and Threat Grid
- C. URL filtering and Umbrella DNS security
- D. Snort IPS

Show Suggested Answer





Actual exam question from Cisco's 300-415

Question #: 188

Topic #: 1

[\[All 300-415 Questions\]](#)

An enterprise needs DIA on some of its branches with a common location ID: A042:B49C:D02E::72.

Which WAN Edge configuration meets the requirement?

- A. vpn 1 interface ge0/1 ip address 172.16.0.1/24 vpn 512 ip route 0.0.0.0/0 vpn 0
- B. vpn 1 ip route 0.0.0.0/0 vpn 1 interface ge0/0 ip address 172.16.0.1/24 nat
- C. vpn 0 ip route 0.0.0.0/0 vpn 0 vpn 1 interface ge0/1 ip address 172.16.0.1/24 nat
- D. vpn 0 interface ge0/0 ip address 172.16.0.1/24 nat vpn 1 ip route 0.0.0.0/0 vpn 0

Show Suggested Answer





Actual exam question from Cisco's 300-415

Question #: 189

Topic #: 1

[\[All 300-415 Questions\]](#)

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

- A. RHEL 7.5
- B. RHEL 4.4
- C. RHEL 6.7
- D. RHEL 6.5

Show Suggested Answer



Actual exam question from Cisco's 300-415

Question #: 190

Topic #: 1

[\[All 300-415 Questions\]](#)

An engineer must configure two branch WAN Edge devices where an Internet connection is available and the controllers are in the headquarters. The requirement is to have IPsec VPN tunnels established between the same colors. Which configuration meets the requirement on both WAN Edge devices?

A.

WAN Edge 1

```
vpn 0
interface ge0/0
ip address 10.0.0.1/24
ipv6 dhcp-client
tunnel-interface
color default
encapsulation ipsec
```

WAN Edge 2

```
vpn 0
interface ge0/0
ip address 10.0.0.2/24
ipv6 dhcp-client
tunnel-interface
color default
encapsulation ipsec
```

B.

WAN Edge 1

```
vpn 0
interface ge0/0
ip address 10.0.0.1/24
ipv6 dhcp-client
tunnel-interface
color public-internet restrict
encapsulation ipsec
```

WAN Edge 2

```
vpn 0
interface ge0/0
ip address 10.0.0.2/24
ipv6 dhcp-client
tunnel-interface
color public-internet restrict
encapsulation ipsec
```

C.

WAN Edge 1

```
vpn 0
interface ge0/0
ip address 10.0.0.1/24
ipv6 dhcp-client
tunnel-interface
color gold restrict
encapsulation ipsec
```

WAN Edge 2

```
vpn 0
interface ge0/0
ip address 10.0.0.2/24
ipv6 dhcp-client
tunnel-interface
color gold restrict
encapsulation ipsec
```

D.

WAN Edge 1

```
vpn 0
interface ge0/0
ip address 10.0.0.1/24
ipv6 dhcp-client
tunnel-interface
color biz-internet restrict
encapsulation ipsec
```

WAN Edge 2

```
vpn 0
interface ge0/0
ip address 10.0.0.2/24
ipv6 dhcp-client
tunnel-interface
color default
encapsulation ipsec
```

Show Suggested Answer





Actual exam question from Cisco's 300-415

Question #: 191

Topic #: 1

[\[All 300-415 Questions\]](#)

Which two metrics must a cloud Edge router use to pick the optimal path for a SaaS application reachable via a gateway site? (Choose two.)

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

Show Suggested Answer





Actual exam question from Cisco's 300-415

Question #: 194

Topic #: 1

[\[All 300-415 Questions\]](#)

An administrator is configuring the severity level on the vManage NMS for events that indicate that an action must be taken immediately. Which severity level must be configured?

- A. error
- B. critical
- C. warning
- D. alert

[Show Suggested Answer](#)

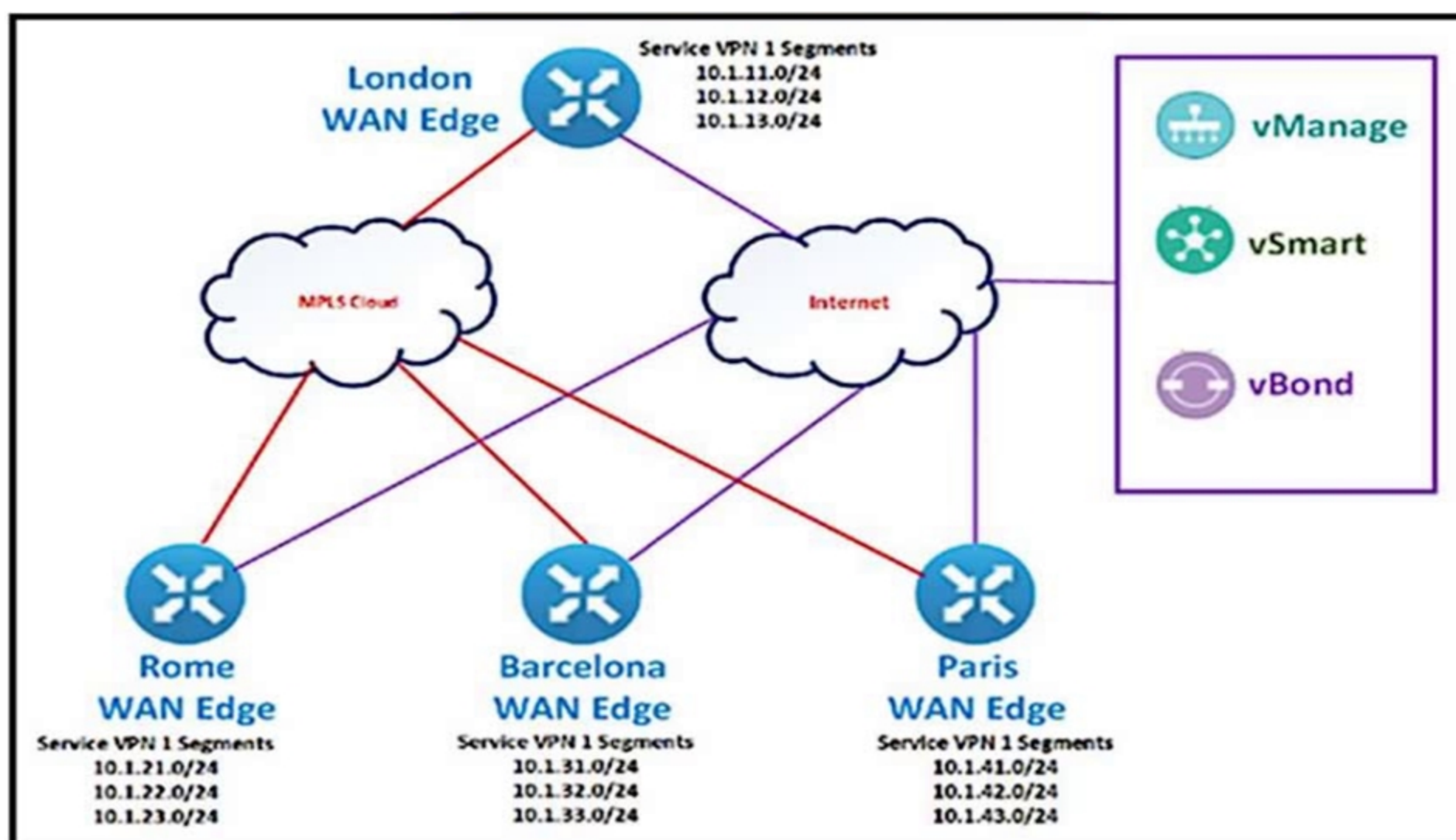


Actual exam question from Cisco's 300-415

Question #: 195

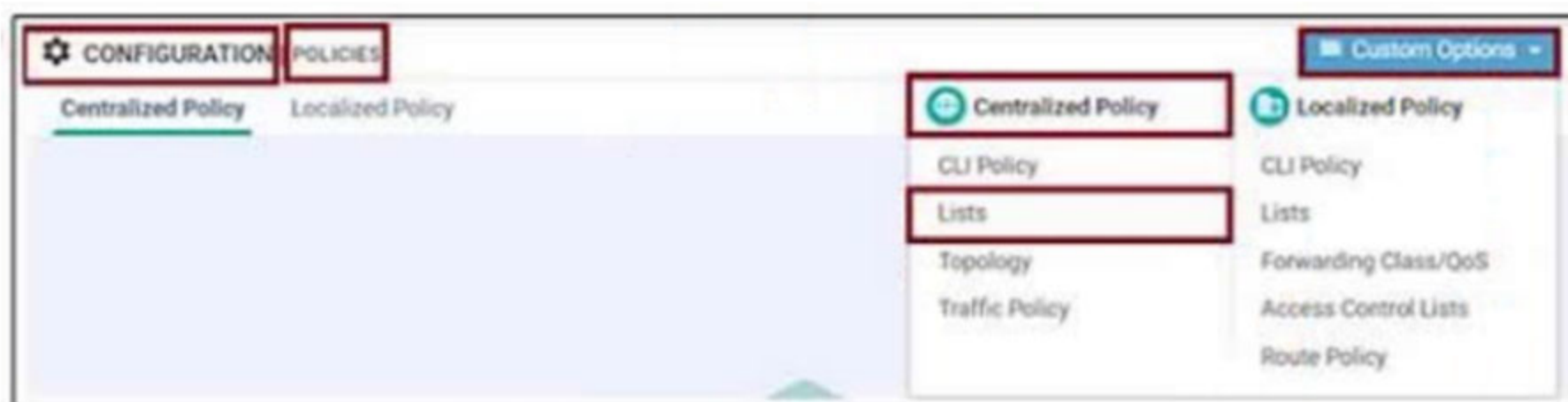
Topic #: 1

[\[All 300-415 Questions\]](#)

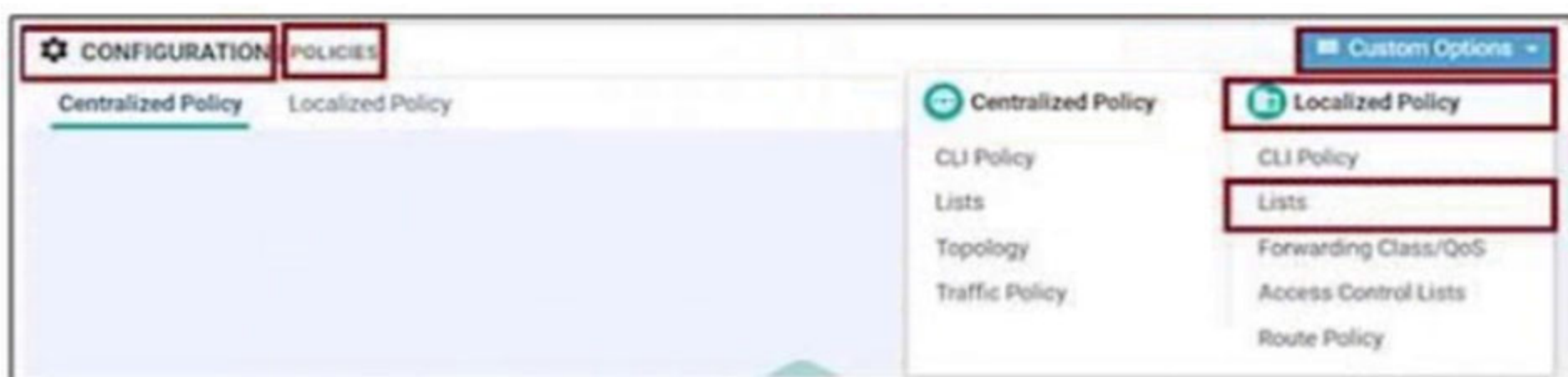


Refer to the exhibit. The Cisco SD-WAN network is configured with a default full-mesh topology. An engineer wants Paris WAN Edge to use the Internet TLOC as the preferred TLOC for MSN Messenger and AOL Messenger traffic. Which policy achieves this goal?

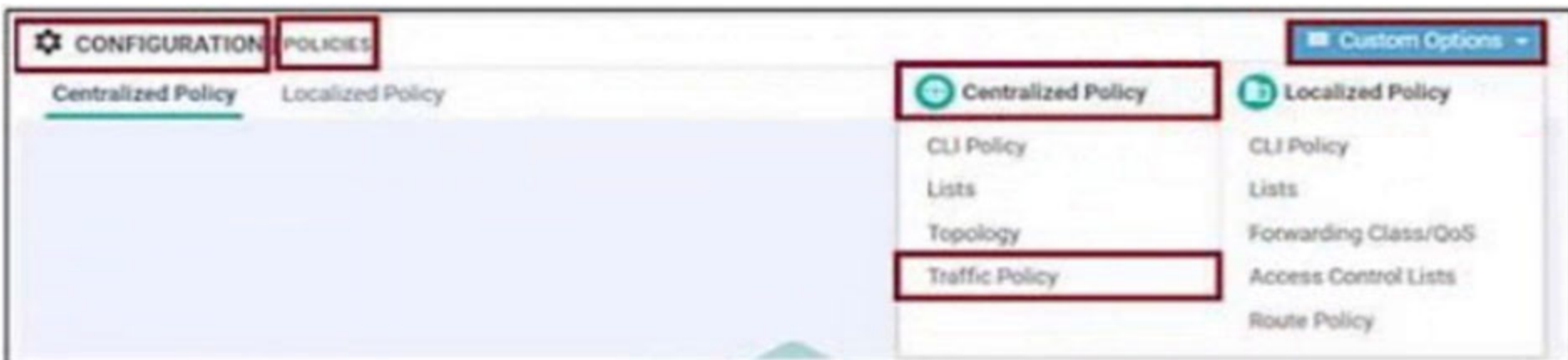
A.



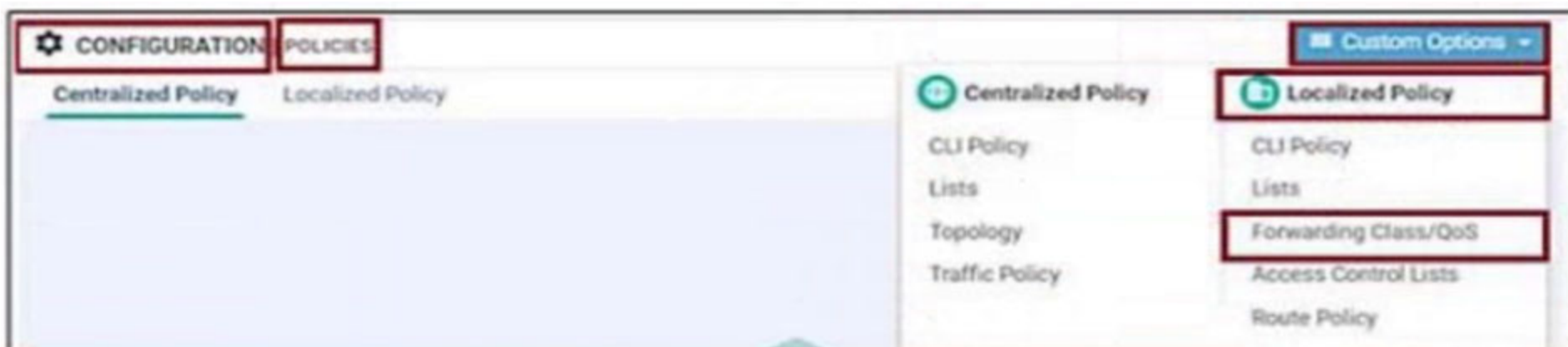
B.



C.



D.



Show Suggested Answer

Actual exam question from Cisco's 300-415

Question #: 196

Topic #: 1

[\[All 300-415 Questions\]](#)

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

- A. vpn 0 allow-service dns allow-service sshd allow-service netconf
- B. vpn 512 dns 208.67.222.222 primary allow-service dns allow-service sshd allow-service netconf
- C. vpn 0 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

Show Suggested Answer

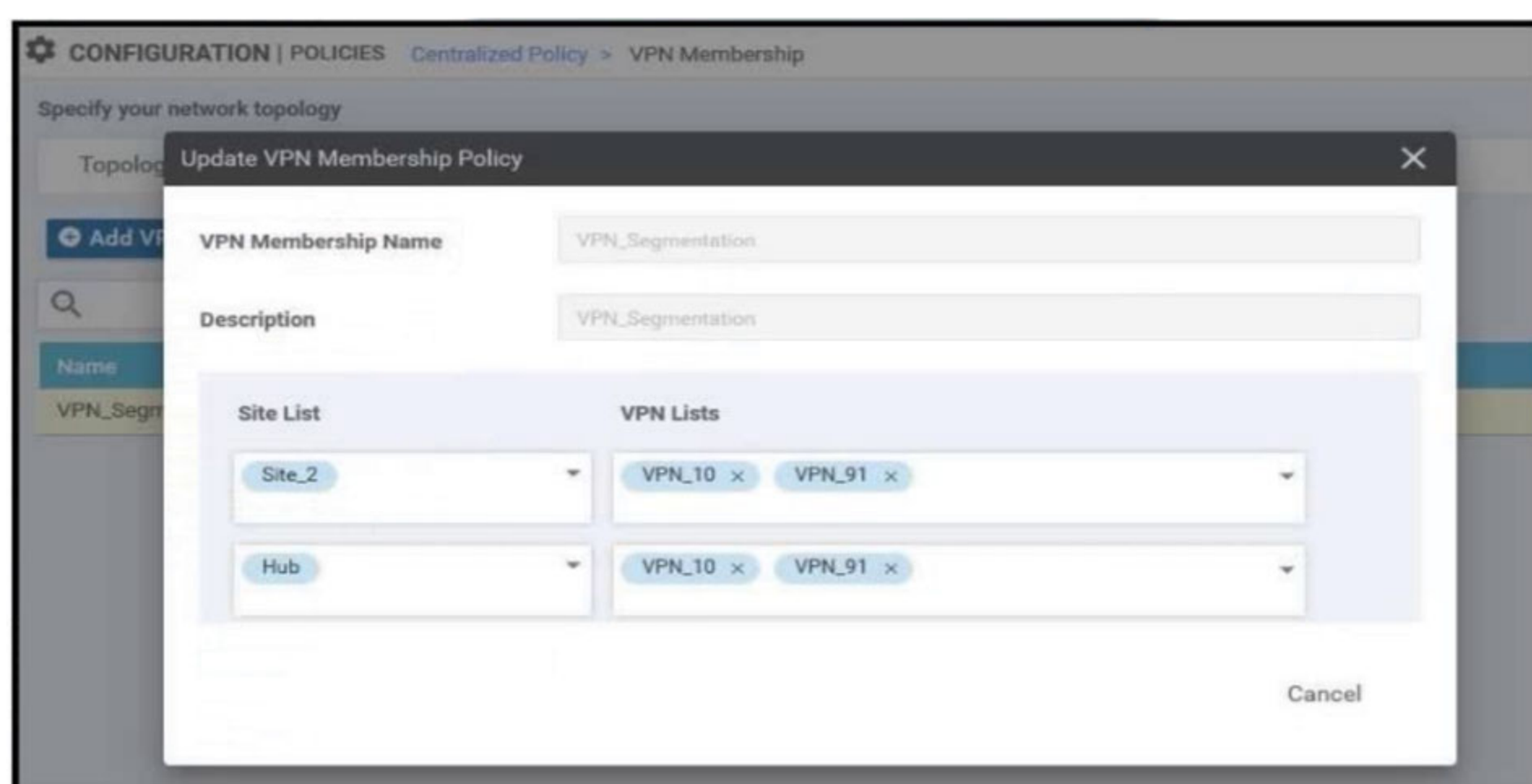


Actual exam question from Cisco's 300-415

Question #: 197

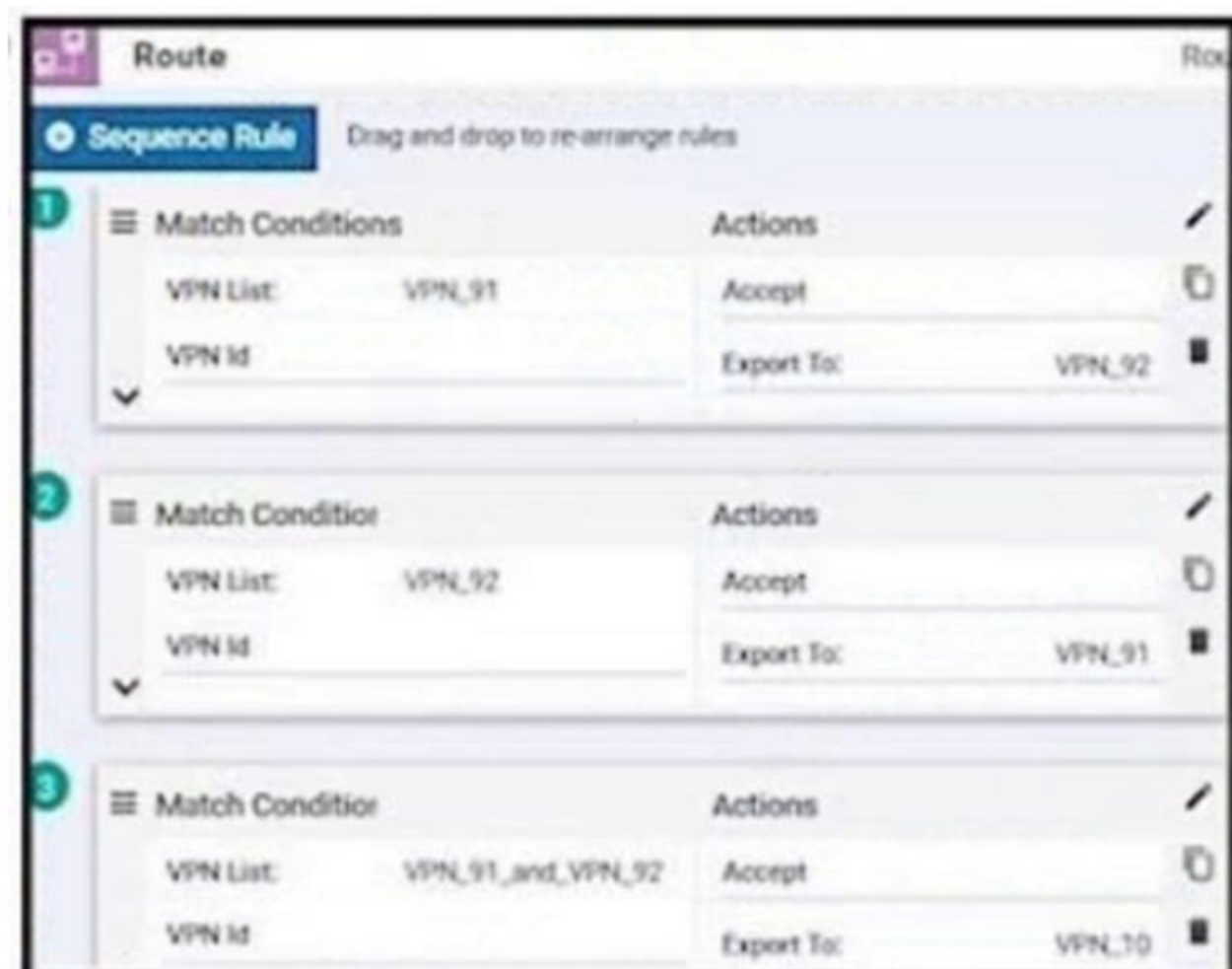
Topic #: 1

[\[All 300-415 Questions\]](#)

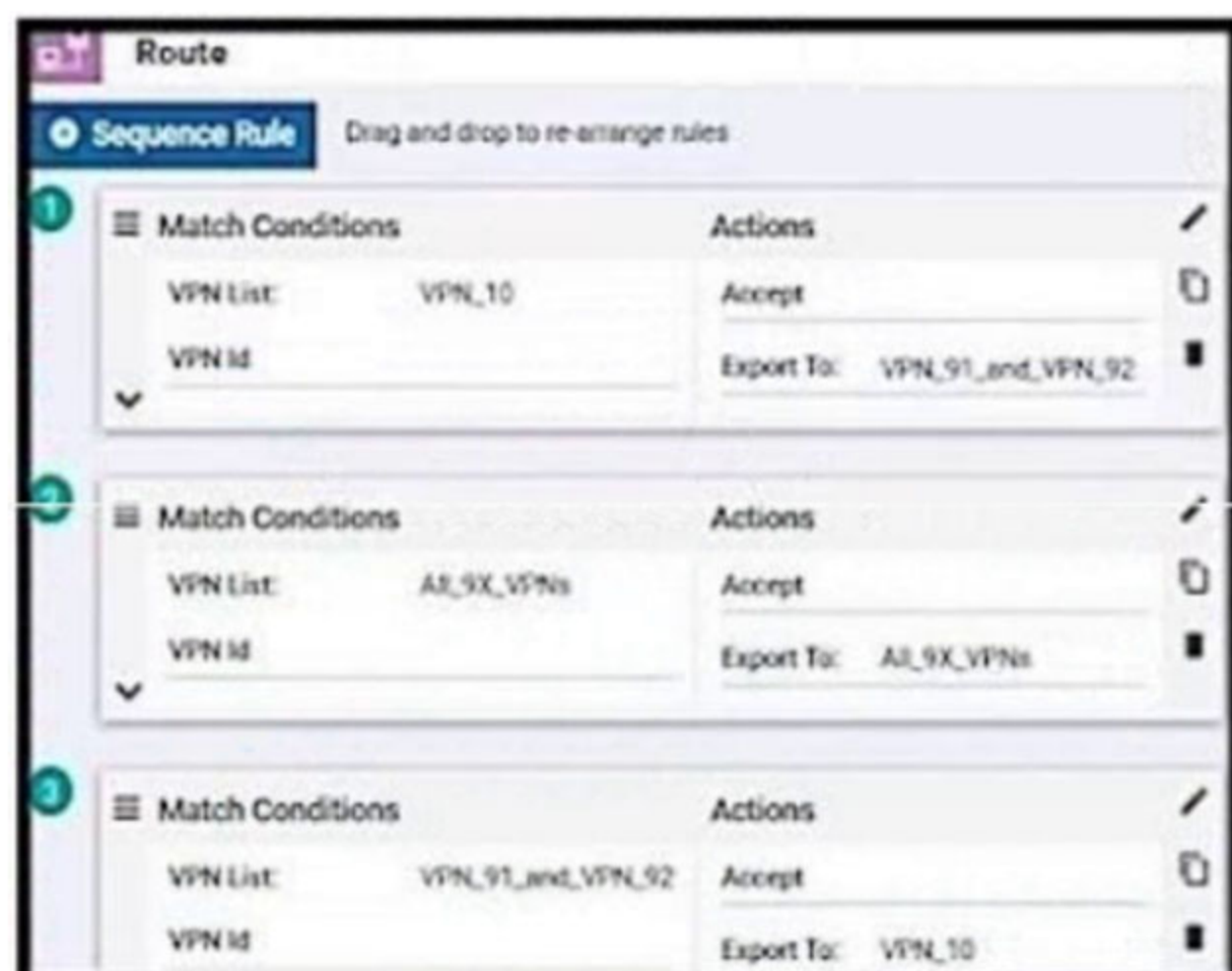


Refer to the exhibit. An enterprise has hub and spoke topology where it has several VPNs. An engineer must allow users in VPN91 to reach users in VPN92 and VPN10 to reach VPN91 and VPN92. Which configuration meets these requirements?

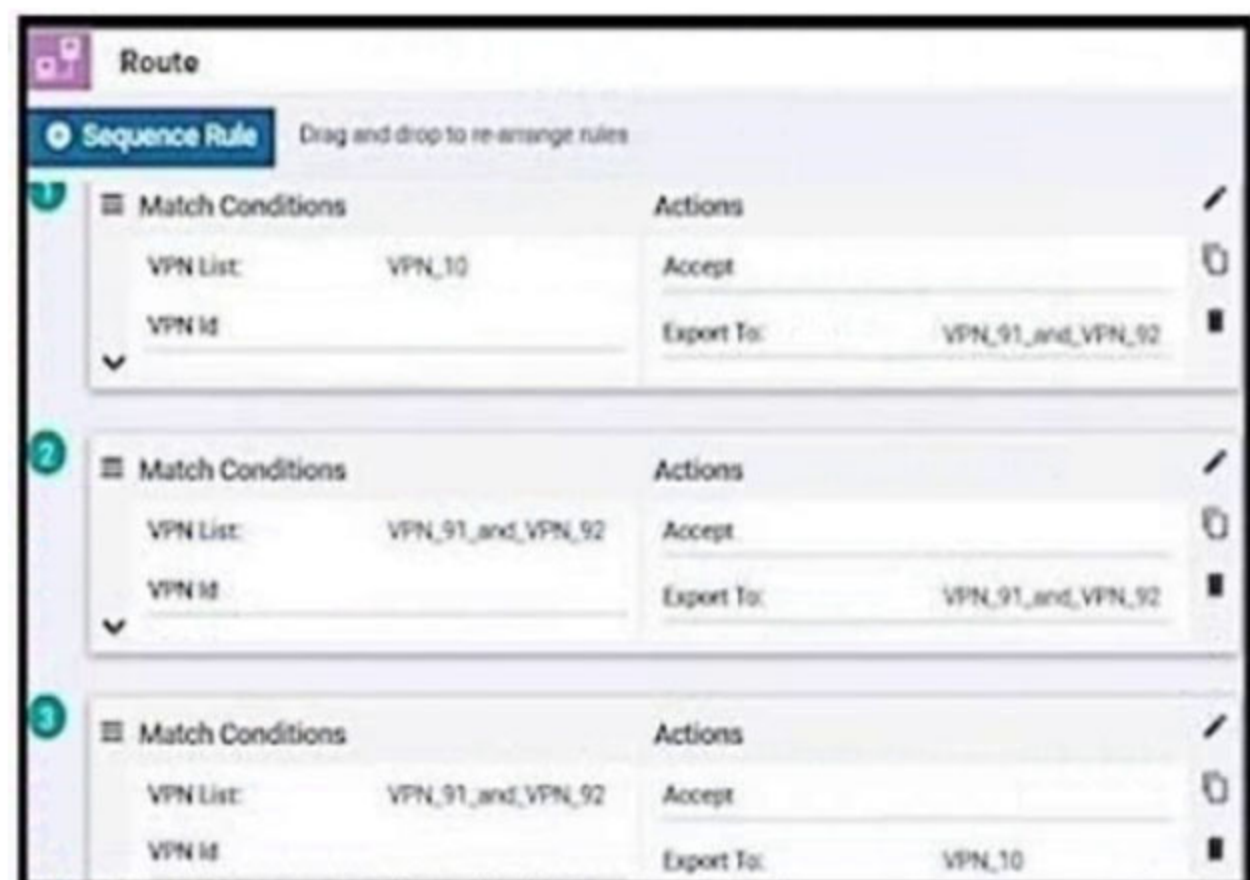
A.



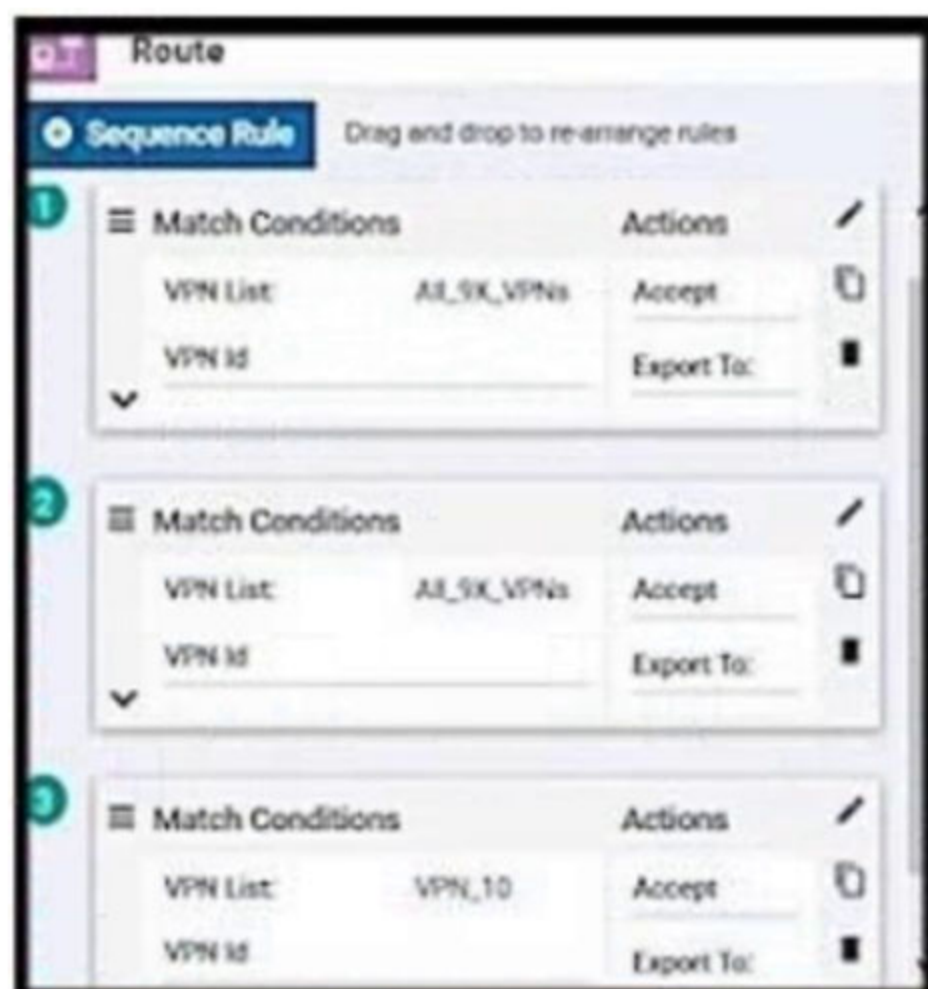
B.



C.



D.





Actual exam question from Cisco's 300-415

Question #: 198

Topic #: 1

[\[All 300-415 Questions\]](#)

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.

Show Suggested Answer





Actual exam question from Cisco's 300-415

Question #: 199

Topic #: 1

[\[All 300-415 Questions\]](#)

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

Show Suggested Answer

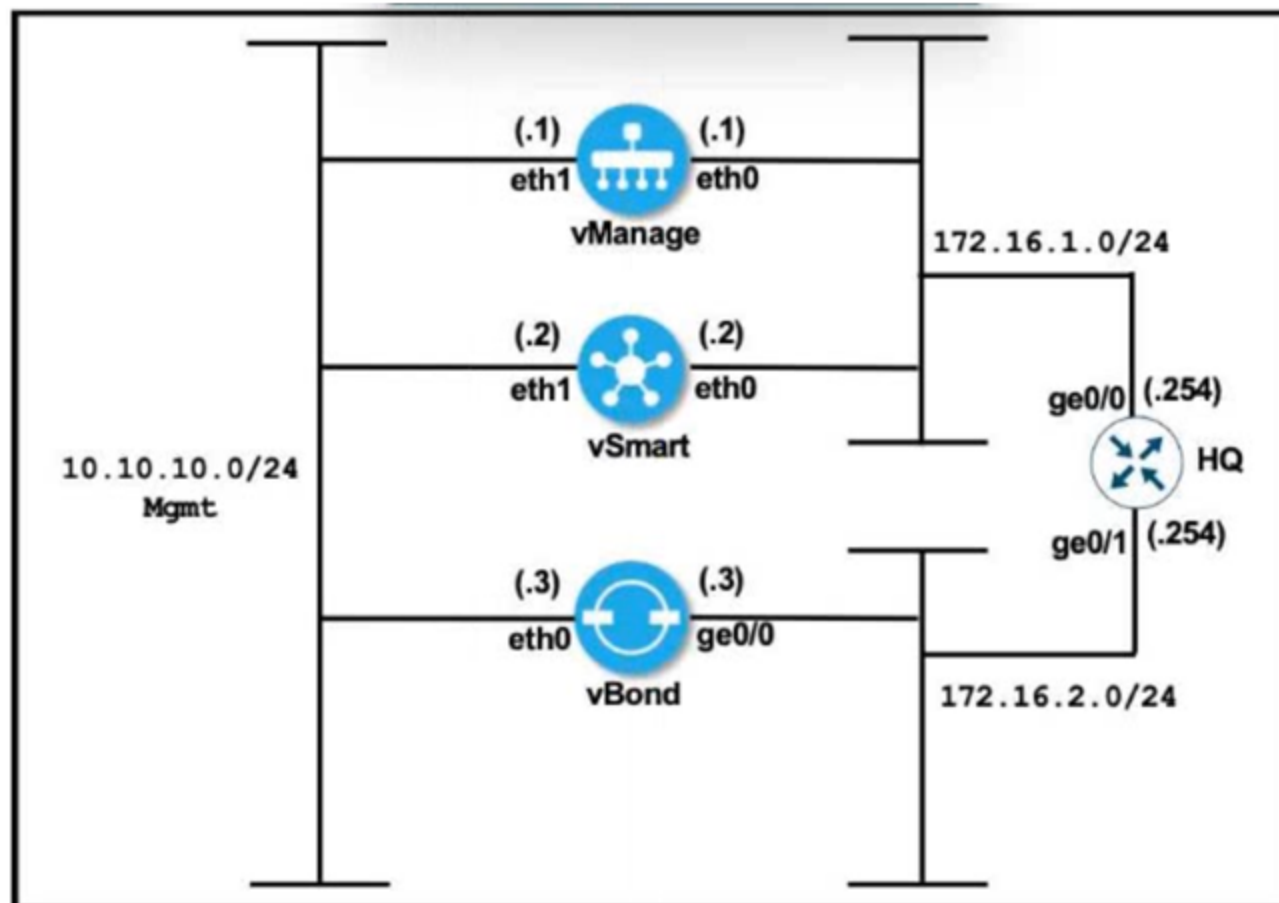


Actual exam question from Cisco's 300-415

Question #: 200

Topic #: 1

[\[All 300-415 Questions\]](#)



vManage	vBond
<pre> system system-ip 10.10.10.101 host-name vManage site-id 1 clock timezone Europe/London vbond 172.16.2.1 organization-name Cisco.com ! vpn 0 interface eth1 ip address 172.16.1.1/24 no shut tunnel-interface allow-service all ip route 0.0.0.0/0 172.16.1.254 ! commit </pre>	<pre> system system-ip 10.10.10.103 host-name vBond site-id 1 clock timezone Europe/Rome vbond 172.16.2.1 local organization-name Cisco.com ! vpn 0 interface ge0/0 ip address 172.16.2.1/24 no shut tunnel-interface encapsulation ipsec allow-service all ip route 0.0.0.0/0 172.16.1.254 ! commit </pre>

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

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

Show Suggested Answer

Actual exam question from Cisco's 300-415

Question #: 201

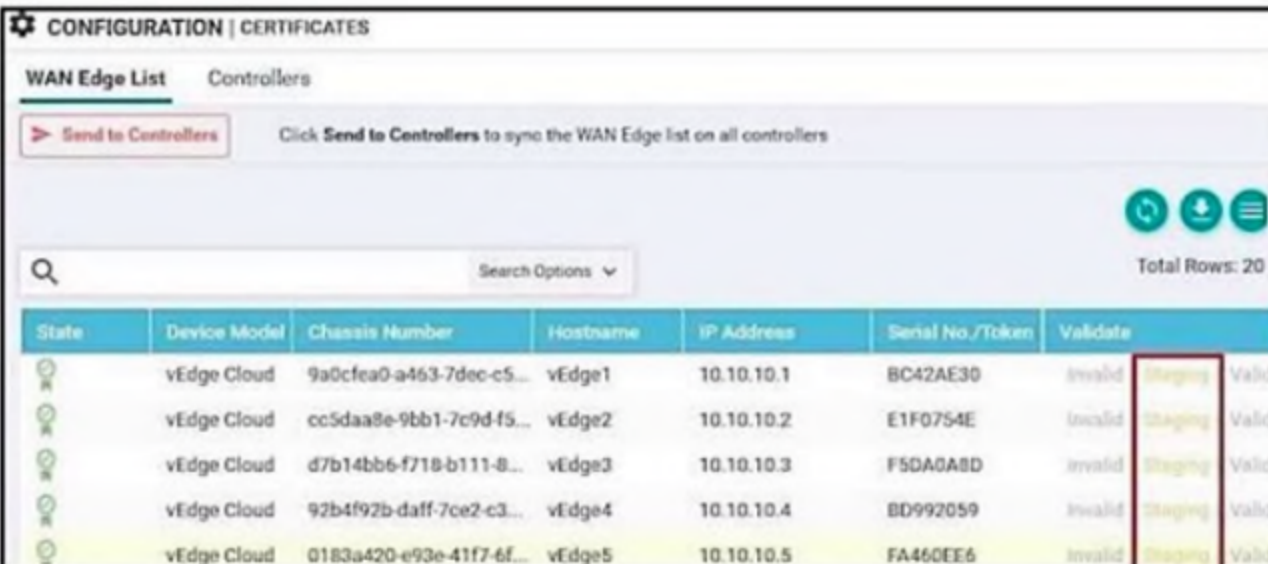
Topic #: 1

[\[All 300-415 Questions\]](#)

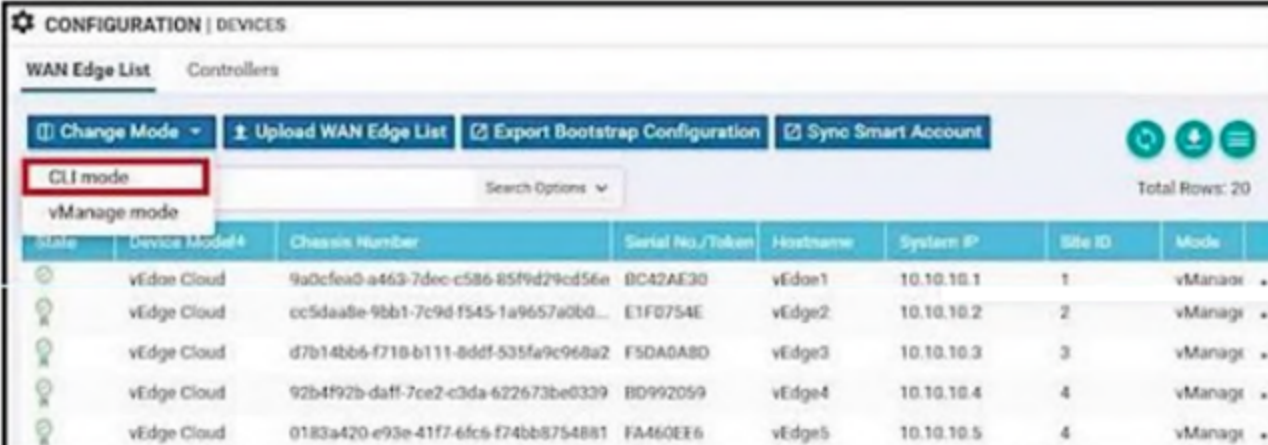
```
vEdge1# show control connections
```

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

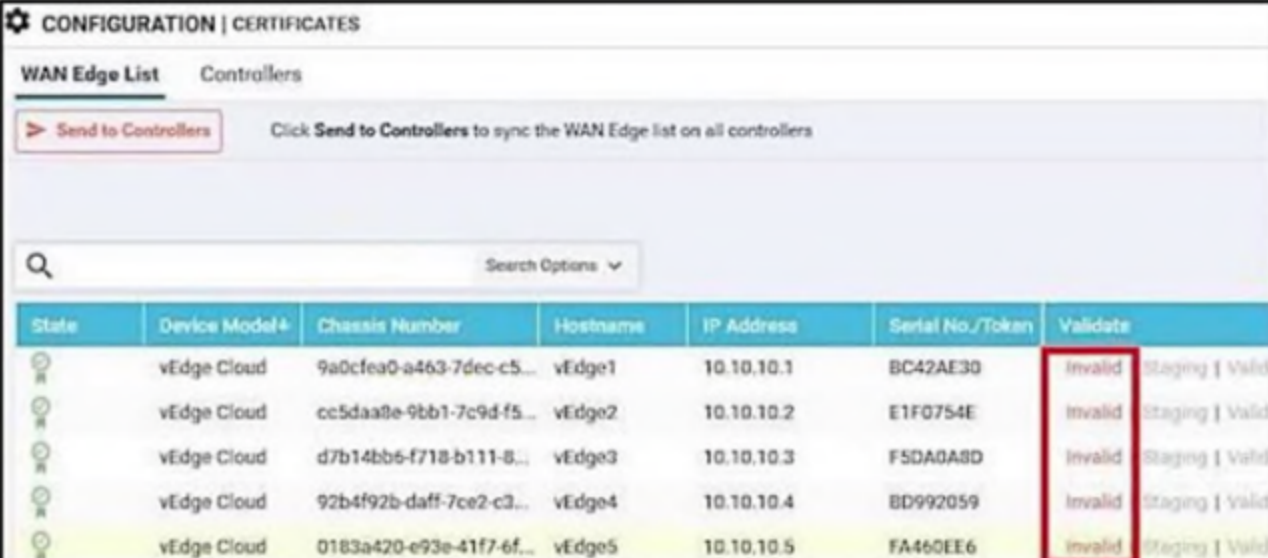
Refer to the exhibit. An organization is testing a Cisco SD-WAN solution and decided to have the control plane established first and not the data plane at the time of migration. Which configuration achieves this goal?

A. 

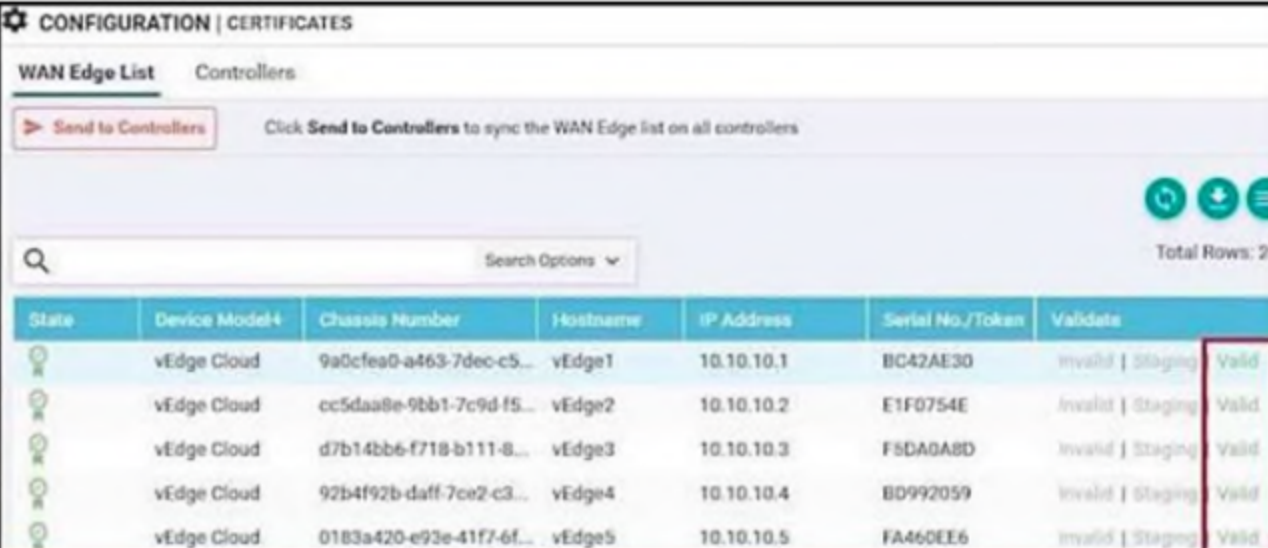
State	Device Model	Chassis Number	Hostname	IP Address	Serial No./Token	Validate
🟢	vEdge Cloud	9a0cfea0-a463-7dec-c5...	vEdge1	10.10.10.1	BC42AE30	Invalid Staging Valid
🟢	vEdge Cloud	cc5daa8e-9bb1-7c9d-f5...	vEdge2	10.10.10.2	E1F0754E	Invalid Staging Valid
🟢	vEdge Cloud	d7b14bb6-f718-b111-8...	vEdge3	10.10.10.3	FSDA0A8D	Invalid Staging Valid
🟢	vEdge Cloud	92b4f92b-daff-7ce2-c3...	vEdge4	10.10.10.4	BD992059	Invalid Staging Valid
🟢	vEdge Cloud	0183a420-e93e-41f7-6f...	vEdge5	10.10.10.5	FA460EE6	Invalid Staging Valid

B. 

State	Device Model	Chassis Number	Serial No./Token	Hostname	System IP	Site ID	Mode
🟢	vEdge Cloud	9a0cfea0-a463-7dec-c586-85f9d29cd56e	BC42AE30	vEdge1	10.10.10.1	1	vManage
🟢	vEdge Cloud	cc5daa8e-9bb1-7c9d-f545-1a9657a0bb0...	E1F0754E	vEdge2	10.10.10.2	2	vManage
🟢	vEdge Cloud	d7b14bb6-f718-b111-8ddf-535fa9c968a2	FSDA0A8D	vEdge3	10.10.10.3	3	vManage
🟢	vEdge Cloud	92b4f92b-daff-7ce2-c3da-622673be0339	BD992059	vEdge4	10.10.10.4	4	vManage
🟢	vEdge Cloud	0183a420-e93e-41f7-6fc6-f74bb8754881	FA460EE6	vEdge5	10.10.10.5	4	vManage

C. 

State	Device Model	Chassis Number	Hostname	IP Address	Serial No./Token	Validate
🟢	vEdge Cloud	9a0cfea0-a463-7dec-c5...	vEdge1	10.10.10.1	BC42AE30	Invalid Staging Valid
🟢	vEdge Cloud	cc5daa8e-9bb1-7c9d-f5...	vEdge2	10.10.10.2	E1F0754E	Invalid Staging Valid
🟢	vEdge Cloud	d7b14bb6-f718-b111-8...	vEdge3	10.10.10.3	FSDA0A8D	Invalid Staging Valid
🟢	vEdge Cloud	92b4f92b-daff-7ce2-c3...	vEdge4	10.10.10.4	BD992059	Invalid Staging Valid
🟢	vEdge Cloud	0183a420-e93e-41f7-6f...	vEdge5	10.10.10.5	FA460EE6	Invalid Staging Valid

D. 

State	Device Model	Chassis Number	Hostname	IP Address	Serial No./Token	Validate
🟢	vEdge Cloud	9a0cfea0-a463-7dec-c5...	vEdge1	10.10.10.1	BC42AE30	Invalid Staging Valid
🟢	vEdge Cloud	cc5daa8e-9bb1-7c9d-f5...	vEdge2	10.10.10.2	E1F0754E	Invalid Staging Valid
🟢	vEdge Cloud	d7b14bb6-f718-b111-8...	vEdge3	10.10.10.3	FSDA0A8D	Invalid Staging Valid
🟢	vEdge Cloud	92b4f92b-daff-7ce2-c3...	vEdge4	10.10.10.4	BD992059	Invalid Staging Valid
🟢	vEdge Cloud	0183a420-e93e-41f7-6f...	vEdge5	10.10.10.5	FA460EE6	Invalid Staging Valid



Actual exam question from Cisco's 300-415

Question #: 202

Topic #: 1

[\[All 300-415 Questions\]](#)

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

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

Show Suggested Answer

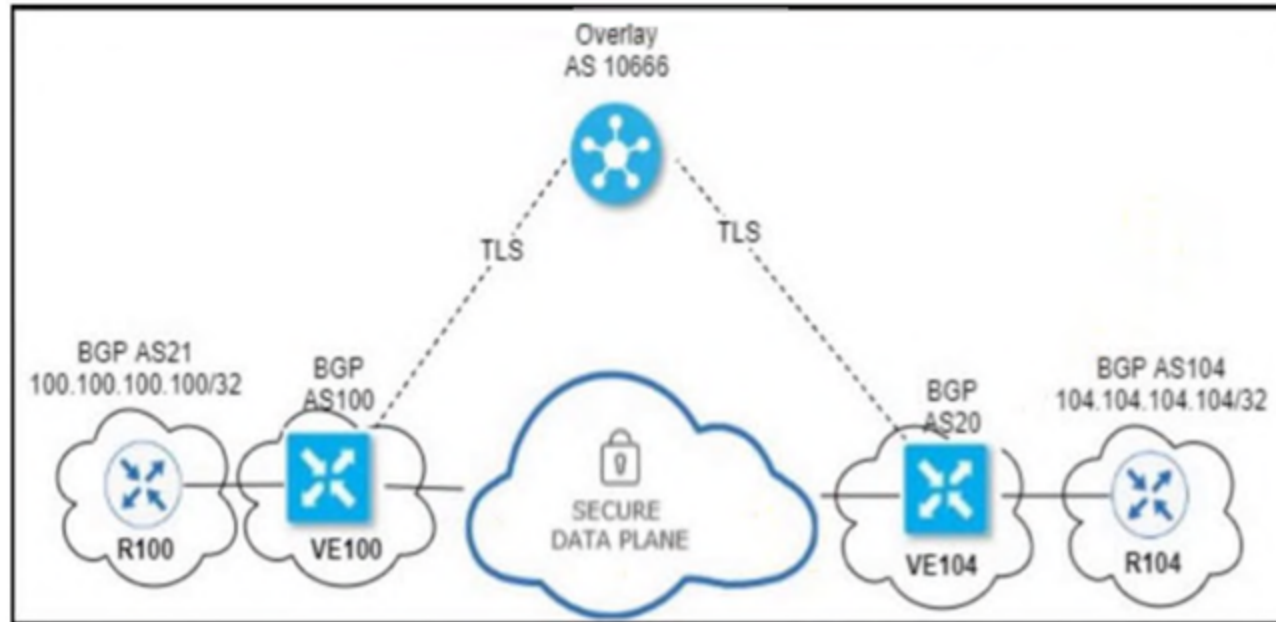


Actual exam question from Cisco's 300-415

Question #: 203

Topic #: 1

[\[All 300-415 Questions\]](#)



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

Show Suggested Answer



Actual exam question from Cisco's 300-415

Question #: 204

Topic #: 1

[\[All 300-415 Questions\]](#)

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

Show Suggested Answer



Actual exam question from Cisco's 300-415

Question #: 205

Topic #: 1

[\[All 300-415 Questions\]](#)

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
```

Show Suggested Answer



Actual exam question from Cisco's 300-415

Question #: 206

Topic #: 1

[\[All 300-415 Questions\]](#)

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

Show Suggested Answer

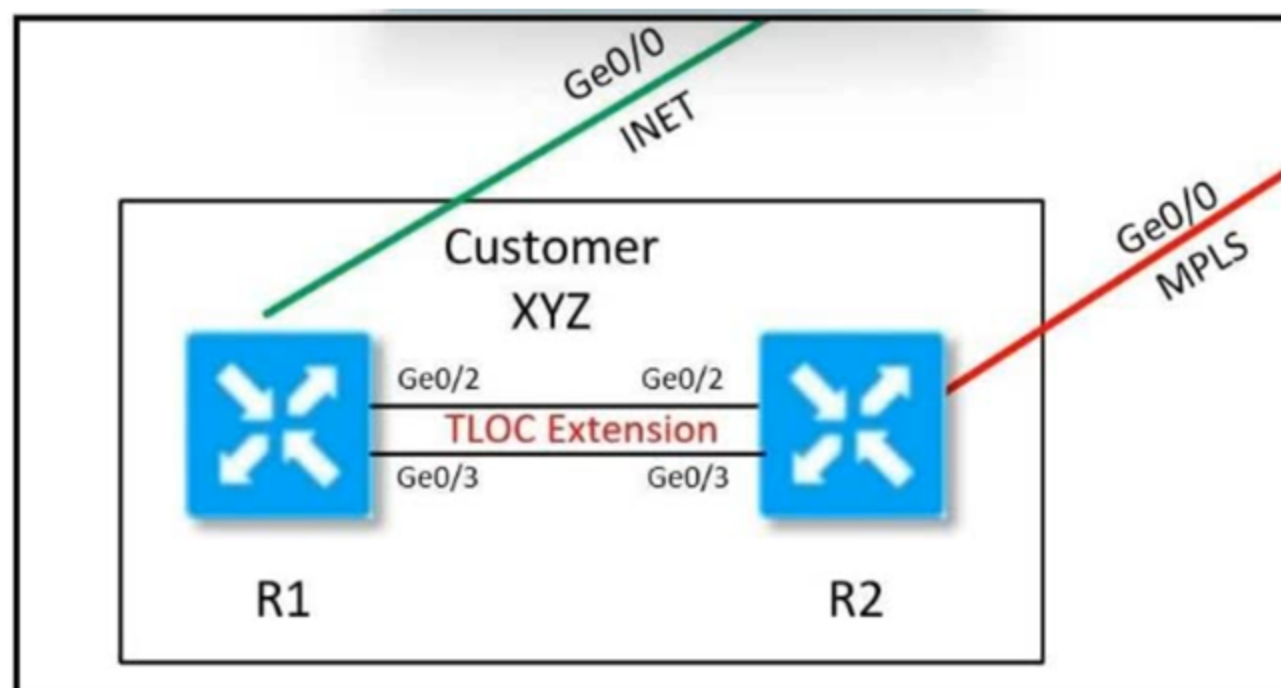


Actual exam question from Cisco's 300-415

Question #: 207

Topic #: 1

[\[All 300-415 Questions\]](#)



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 interfaces 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

Show Suggested Answer

Actual exam question from Cisco's 300-415

Question #: 208

Topic #: 1

[\[All 300-415 Questions\]](#)

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
```

Show Suggested Answer

Actual exam question from Cisco's 300-415

Question #: 211

Topic #: 1

[\[All 300-415 Questions\]](#)

```

policy
lists
!
tloc-list dc-preference-east
tloc 100.100.100.100 color mpls
encap ipsec preference 200
tloc 101.101.101.101 color mpls
encap ipsec preference 400
!
site-list sites-region-west
site-id 1-20
!
site-list sites-region-east
site-id 21-40
!
site-list dc-sites
site-id 100-101

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

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

```

Refer to the exhibit. 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

```

Show Suggested Answer





Actual exam question from Cisco's 300-415

Question #: 212

Topic #: 1

[\[All 300-415 Questions\]](#)

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.

Show Suggested Answer



Actual exam question from Cisco's 300-415

Question #: 213

Topic #: 1

[\[All 300-415 Questions\]](#)

An engineer must deploy a QoS policy with these requirements:

- policy name: App-police
- police rate: 1000000
- burst: 1000000
- exceed: drop

Which configuration meets the requirements?

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

Show Suggested Answer



Actual exam question from Cisco's 300-415

Question #: 214

Topic #: 1

[\[All 300-415 Questions\]](#)

Which controller manages the orchestration plane of Cisco SD-WAN in a cloud deployment?

- A. Cisco DNA Center
- B. vSmart
- C. vBond
- D. vManage

Show Suggested Answer





Actual exam question from Cisco's 300-415

Question #: 215

Topic #: 1

[\[All 300-415 Questions\]](#)

What are two components of vSmart? (Choose two.)

- A. key reflection
- B. policy engine
- C. NAT traversal
- D. device template creation
- E. monitoring

Show Suggested Answer



Actual exam question from Cisco's 300-415

Question #: 216

Topic #: 1

[\[All 300-415 Questions\]](#)

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

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

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

Show Suggested Answer

Actual exam question from Cisco's 300-415

Question #: 217

Topic #: 1

[\[All 300-415 Questions\]](#)

An engineer is configuring the branch office with a 172.16.0.0/16 subnet to use DIA for Internet traffic. All other traffic must flow to the central site or branches using the MPLS circuit. Which configuration meets the requirement?

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

Show Suggested Answer



Actual exam question from Cisco's 300-415

Question #: 218

Topic #: 1

[\[All 300-415 Questions\]](#)

Which policy allows communication between TLOCs of data centers and spokes and blocks communication between spokes?

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

Show Suggested Answer





Actual exam question from Cisco's 300-415

Question #: 219

Topic #: 1

[\[All 300-415 Questions\]](#)

Which SD-WAN component detects path performance information in the organization to report the issue to the service provider at site ID:123456?

- A. vBond Orchestrator
- B. Cisco DNA
- C. vManage NMS
- D. vAnalytics

Show Suggested Answer



Actual exam question from Cisco's 300-415

Question #: 220

Topic #: 1

[\[All 300-415 Questions\]](#)

An enterprise has these three WAN connections:

- public Internet
- business Internet
- MPLS

An engineer must configure two available links to route traffic via both links. Which configuration achieves this objective?

- A. omp
no shutdown
ecmp-limit 2
- B. omp
no shutdown
send-path-limit 2
- C. omp
no shutdown
overlay-as 2
- D. omp
no shutdown
route-limit 2

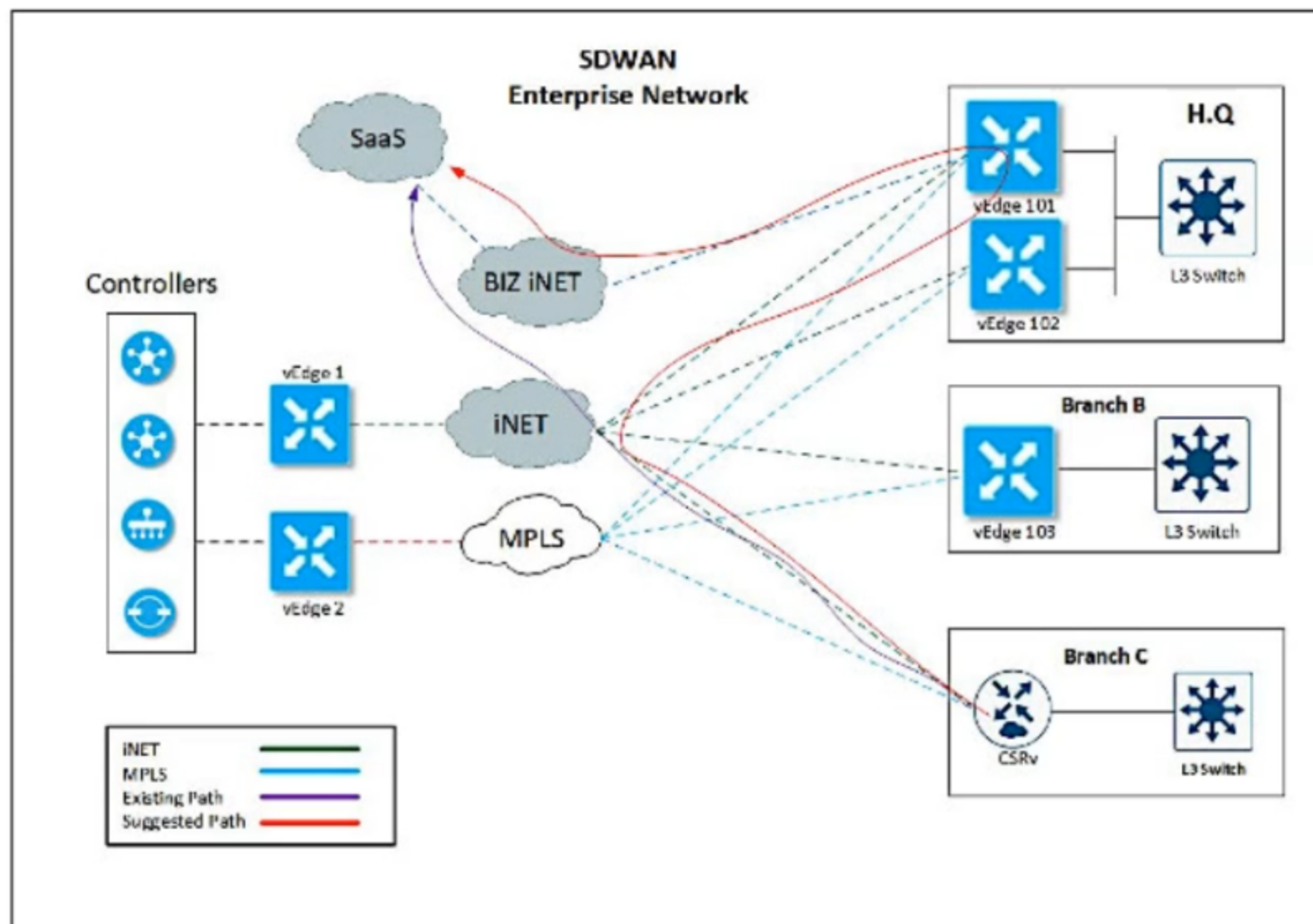
Show Suggested Answer

Actual exam question from Cisco's 300-415

Question #: 221

Topic #: 1

[\[All 300-415 Questions\]](#)



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

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

Show Suggested Answer



Actual exam question from Cisco's 300-415

Question #: 222

Topic #: 1

[\[All 300-415 Questions\]](#)

Which action is performed during the onboarding process when a WAN Edge router is connected to ZTP server ztp.viptela.com?

- A. The router is connected to WAN Edge Cloud Center.
- B. The router receives its vBond Orchestrator information.
- C. The router is synced with vSmart Controller via an IPsec tunnel.
- D. The router is connected to vSmart Controller via a DTLS/TLS tunnel.

Show Suggested Answer





Actual exam question from Cisco's 300-415

Question #: 223

Topic #: 1

[\[All 300-415 Questions\]](#)

Which OMP route is selected for equal OMP route preference values on WAN Edge routers?

- A. route with origin type of connected
- B. route with origin type of static
- C. route with lower TLOC preference value
- D. route with higher TLOC preference value

Show Suggested Answer





Actual exam question from Cisco's 300-415

Question #: 224

Topic #: 1

[\[All 300-415 Questions\]](#)

Which percentage of total memory or total CPU usage for a device is classified as normal in the WAN Edge Health pane?

- A. more than 80 percent usage
- B. more than 90 percent usage
- C. less than 70 percent usage
- D. between 70 to 90 percent usage

Show Suggested Answer





Actual exam question from Cisco's 300-415

Question #: 225

Topic #: 1

[\[All 300-415 Questions\]](#)

Which timer specifies how long the router keeps routing information in the cache after all OMP sessions are lost at location S4317T8E35F76?

- A. graceful restart timer
- B. advertisement interval
- C. EOR timer
- D. hold time

Show Suggested Answer





Actual exam question from Cisco's 300-415

Question #: 226

Topic #: 1

[\[All 300-415 Questions\]](#)

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. SD-AVC Certificate
- D. WAN Edge Certificate

Show Suggested Answer





Actual exam question from Cisco's 300-415

Question #: 228

Topic #: 1

[\[All 300-415 Questions\]](#)

Which routes are similar to the IP route advertisements when the routing information of WAN Edge routers is learned from the local site and local routing protocols?

- A. BGP
- B. OMP
- C. TLOC
- D. service

Show Suggested Answer





Actual exam question from Cisco's 300-415

Question #: 229

Topic #: 1

[\[All 300-415 Questions\]](#)

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

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

Show Suggested Answer





Actual exam question from Cisco's 300-415

Question #: 230

Topic #: 1

[\[All 300-415 Questions\]](#)

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

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

Show Suggested Answer



Actual exam question from Cisco's 300-415

Question #: 231

Topic #: 1

[\[All 300-415 Questions\]](#)

What is a restriction when configuring a tunnel interface?

- A. Up to six tunnel interfaces are configurable on a vSmart.
- B. It is manually assigned when using vManage feature templates.
- C. It must be configured for the interface under all VPNs.
- D. Up to six tunnel interfaces are configurable on a WAN Edge.

Show Suggested Answer





Actual exam question from Cisco's 300-415

Question #: 232

Topic #: 1

[\[All 300-415 Questions\]](#)

An engineer must configure local redundancy on a site. Which configuration accomplishes the task?

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

Show Suggested Answer





Actual exam question from Cisco's 300-415

Question #: 233

Topic #: 1

[\[All 300-415 Questions\]](#)

An engineer provisions a WAN Edge router. Which command should be used from the WAN Edge router to activate it with vManage?

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

Show Suggested Answer





Actual exam question from Cisco's 300-415

Question #: 234

Topic #: 1

[\[All 300-415 Questions\]](#)

Which OMP route is selected if it was learned from the same Cisco SD-WAN device at location S4406T9E02F15?

- A. route with the lower origin metric
- B. route with the higher OMP route preference value
- C. route with the higher router ID
- D. route with the lower administrative distance

Show Suggested Answer



Actual exam question from Cisco's 300-415

Question #: 235

Topic #: 1

[\[All 300-415 Questions\]](#)

A Cisco SD-WAN customer is running BGP and wants to pass on the AS number to BGP speaking routers on the service side network via OMP. Which configuration accomplishes this goal?

A.

```
vpn 20
  name "**** Service VPN 20 ****"
  router
  bgp 100
  propagate-aspath
```

B.

```
omp
  no shutdown
  overlay-as 100
  graceful-restart
  advertise aspath
```

C.

```
vpn 20
  name "**** Service VPN 20 ****"
  router
  bgp 100
  advertise aspath
```

D.

```
omp
  no shutdown
  overlay-as 100
  graceful-restart
  advertise bgp
```

Show Suggested Answer

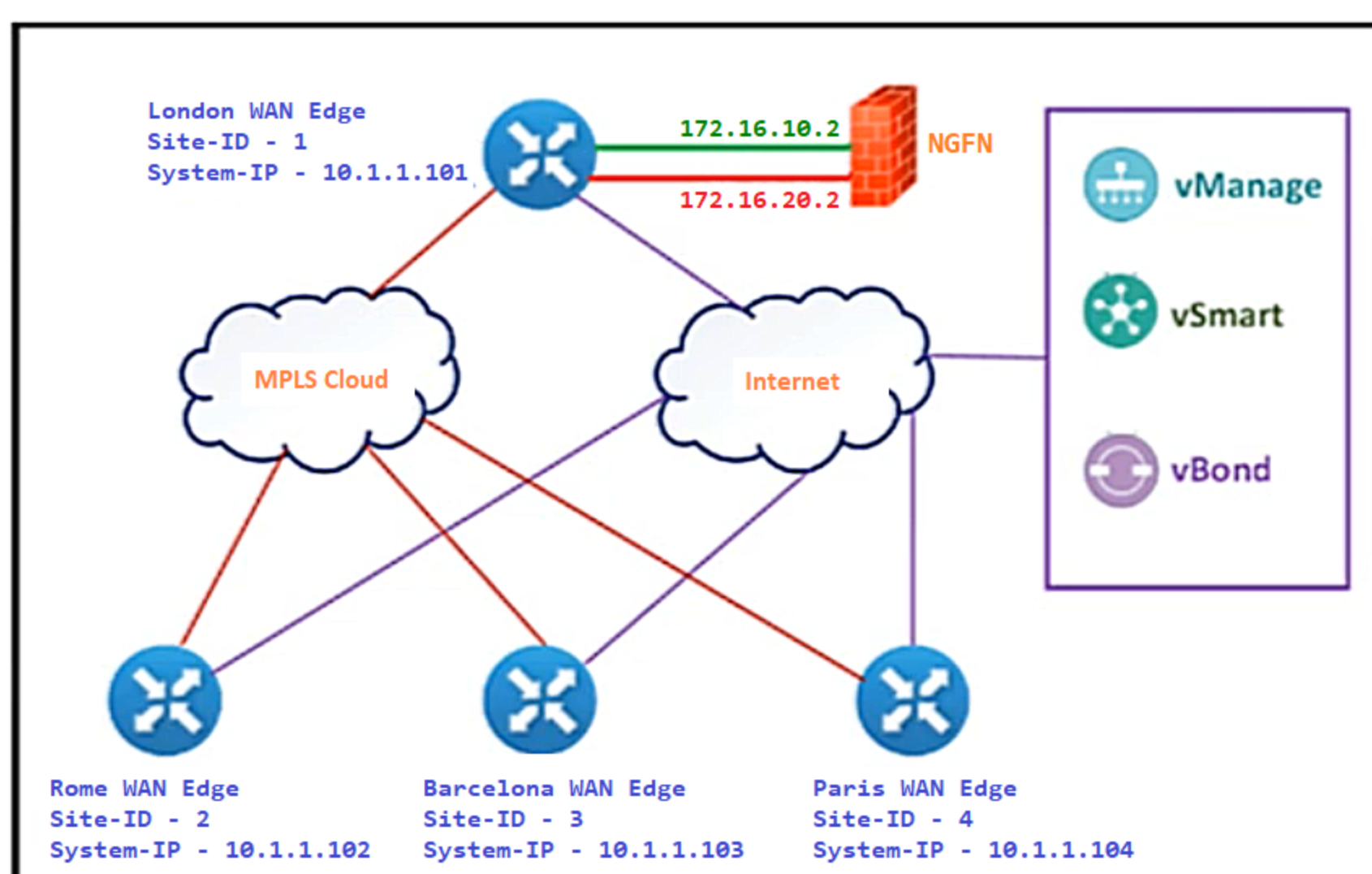
Actual exam question from Cisco's 300-415

Question #: 236

Topic #: 1

[\[All 300-415 Questions\]](#)

Refer to the exhibit. The Cisco SD-WAN is deployed using the default topology. The engineer wants to configure a service insertion policy such that all data traffic between Rome to Paris is forwarded through the NGFW located in London. Which configuration fulfills this requirement, assuming that the Service VPN ID is 1?



London WAN Edge

vpn 1

service netsvc1 address 172.16.10.2

service netsvc2 address 172.16.20.2

vSmart Policy

policy

lists

site-list ROME

site-id 2

site-list PARIS

site-id 4

A. **control-policy NGFW-SI**

sequence 1

match route

site-id ROME

action accept

sequence 2

match route

site-id PARIS

action accept

default-action accept

!

apply-policy

site-list ROME control-policy NGFW-SI out

ROME WAN Edge

service FW address 10.1.1.101

PARIS WAN Edge

service FW address 10.1.1.101

vSmart Policy

policy

lists

site-list ROME

site-id 2

site-list PARIS

site-id 4

control-policy NGFW-SI

sequence 1

match route

site-id ROME

action accept

set service netsvc1 vpn 1

sequence 2

match route

site-id PARIS

action accept

set service netsvc2 vpn 1

default-action accept

!

apply-policy

site-list ROME

control-policy NGFW-SI out

!

site-list PARIS

control-policy NGFW-SI out

!

London WAN Edge

vpn 1

service netsvc1 address 172.16.10.2

service netsvc2 address 172.16.20.2

vSmart Policy

policy

lists

site-list ROME

site-id 2

site-list PARIS

site-id 4

control-policy NGFW-SI

sequence 1

match route

site-id ROME

action accept

set service netsvc1 vpn 1

sequence 2

match route

site-id PARIS

action accept

set service netsvc2 vpn 1

default-action accept

!

apply-policy

site-list ROME

control-policy NGFW-SI out

!

site-list PARIS

control-policy NGFW-SI out

!

ROME WAN Edge

service FW address 10.1.1.101

PARIS WAN Edge

service FW address 10.1.1.101

vSmart Policy

policy

lists

site-list ROME

site-id 2

site-list PARIS

site-id 4

control-policy NGFW-SI

sequence 1

match route

site-id ROME

action accept

set service netsvc1 vpn 1

sequence 2

match route

site-id PARIS

action accept

set service netsvc2 vpn 1

default-action accept

!

apply-policy

site-list ROME

control-policy NGFW-SI out

!

site-list PARIS

control-policy NGFW-SI out

!

London WAN Edge

vpn 1

service netsvc1 address 172.16.10.2

service netsvc2 address 172.16.20.2

vSmart Policy

policy

lists

site-list ROME

site-id 2

site-list PARIS

site-id 4

control-policy NGFW-SI

sequence 1

match route

site-id ROME

action accept

set service netsvc1 vpn 1

sequence 2

match route

site-id PARIS

action accept

set service netsvc2 vpn 1

default-action accept

!

apply-policy

site-list ROME control-policy NGFW-SI out

Show Suggested Answer



Actual exam question from Cisco's 300-415

Question #: 237

Topic #: 1

[\[All 300-415 Questions\]](#)

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

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

Show Suggested Answer





Actual exam question from Cisco's 300-415

Question #: 238

Topic #: 1

[\[All 300-415 Questions\]](#)

Which platform cannot provide IPS and URL filtering capabilities?

- A. Cisco CSR 1000V
- B. Cisco ISR 1000
- C. Cisco ISR 4000
- D. Cisco Catalyst 8300

Show Suggested Answer



Actual exam question from Cisco's 300-415

Question #: 239

Topic #: 1

[\[All 300-415 Questions\]](#)

Which policy configuration must be used to classify traffic as it enters the branch WAN Edge router to be put into the desired output queue?

- Policy**
- A. `class-map`
`class p1 queue 2`
- Policy**
- B. `access-list QoS`
`sequence 1`
`match`
`destination-ip 10.0.0.0/8`
`!`
`action accept`
`class p1`
- Policy**
- C. `qos-scheduler QOS`
`class p1`
`bandwidth-percent 20`
`buffer-percent 20`
`drops red-drop`
- D. `qos-map Q_Map`
`qos-scheduler p1`

Show Suggested Answer



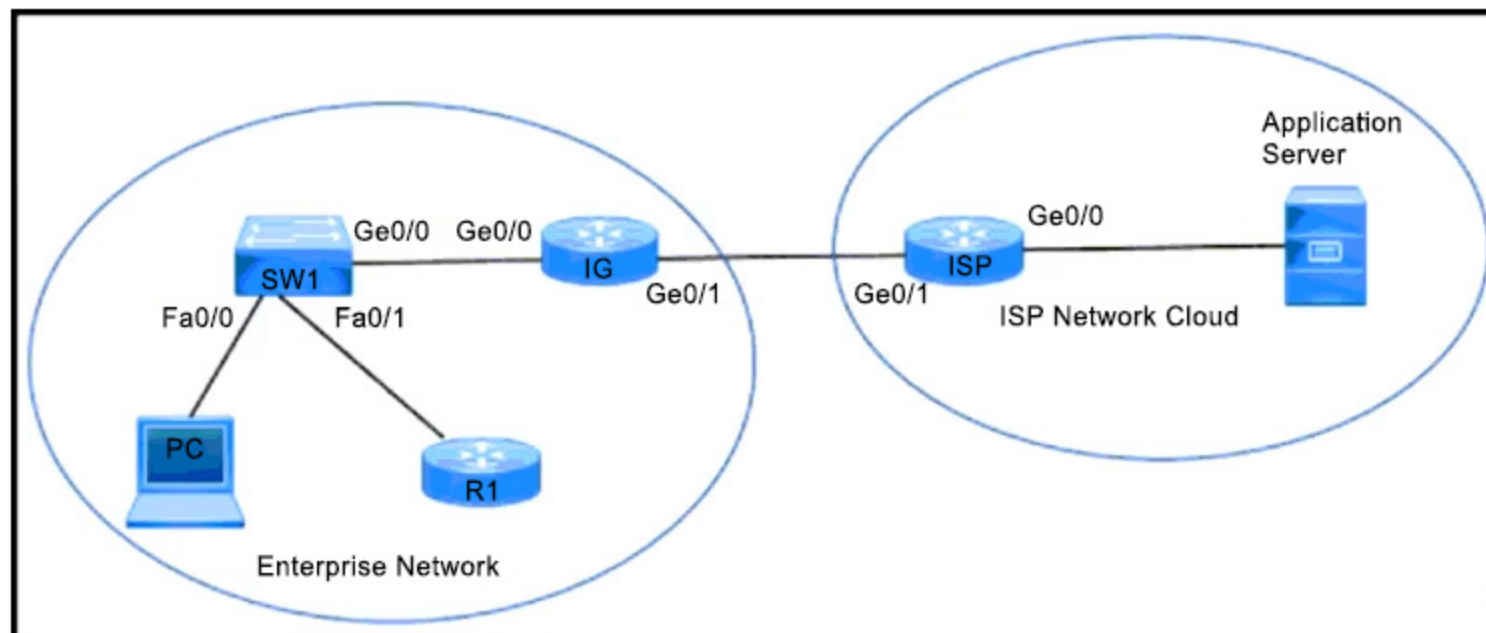
Actual exam question from Cisco's 300-415

Question #: 240

Topic #: 1

[\[All 300-415 Questions\]](#)

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 1 Gig-ISP link during peak hours.

Which configuration provides bandwidth control to avoid traffic congestion during peak hours?

```
policy-map SHAPE_MAP
class class-default
shape average 80000000
```

A. !
interface gigabitethernet 0/1
description *** TO ISP ***
ip address 10.0.20.5 255.255.255.0
service-policy output SHAPE_MAP

```
policy-map CUS_PMAP
class CUS_CMAP
police 80000000 300000
```

B. !
interface gigabitethernet 0/0
description *** TO ISP rack B446:A218:G263 ***
ip address 10.0.20.1 255.255.255.0
service-policy input CUS_PMAP

```
policy-map SHAPE_MAP
class class-default
shape average 8000000
```

C. !
interface gigabitethernet 0/1
description *** TO IG ***
ip address 10.0.20.5 255.255.255.0
service-policy output SHAPE_MAP

```
policy-map CUS_PMAP
class CUS_CMAP
police 80000000 300000
```

D. !
interface gigabitethernet 0/0
description *** TO SW ***
ip address 10.0.10.5 255.255.255.0
service-policy input CUS_PMAP

Show Suggested Answer

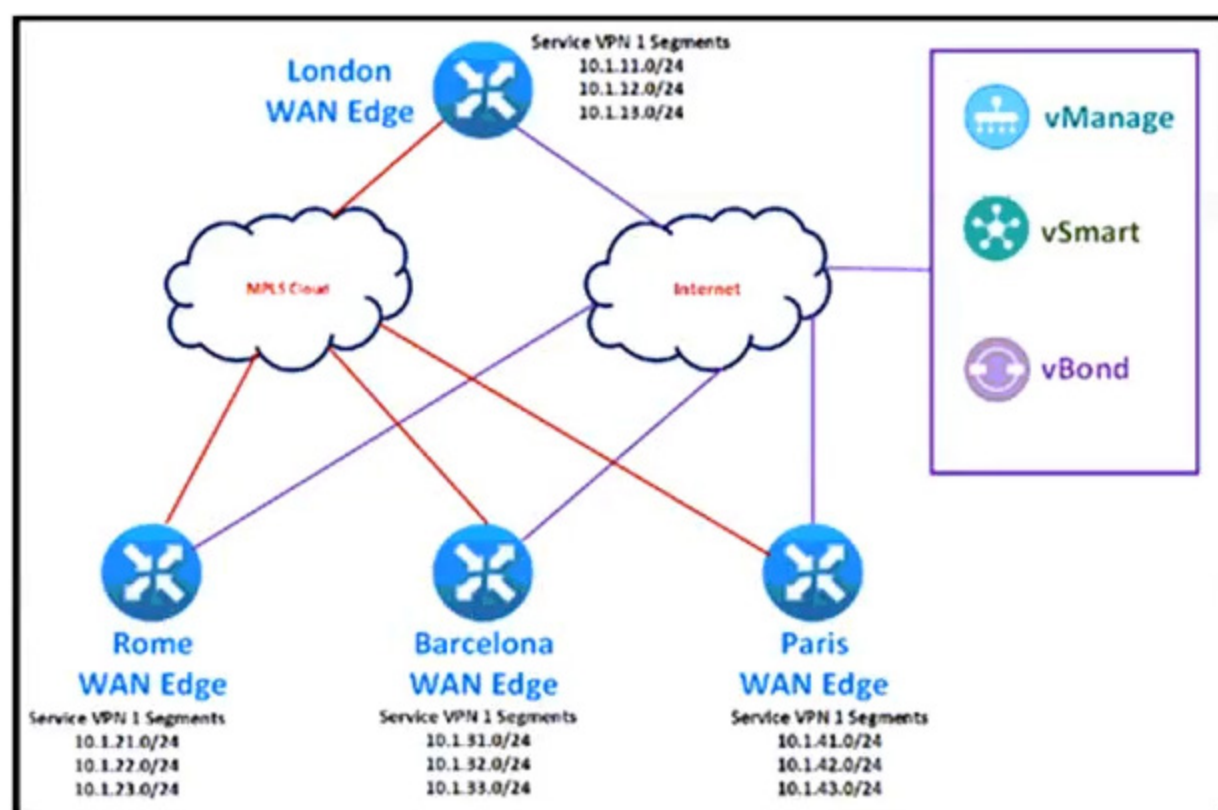
Actual exam question from Cisco's 300-415

Question #: 241

Topic #: 1

[\[All 300-415 Questions\]](#)

Refer to the exhibit.



The SD-WAN network is configured with a default full-mesh topology. An engineer wants Barcelona and Paris to communicate to each other through the London site using a control policy.

Which control policy configuration accomplishes the task?

A.

B.

C.

D.



Actual exam question from Cisco's 300-415

Question #: 242

Topic #: 1

[\[All 300-415 Questions\]](#)

Which protocol advertises WAN Edge routes on the service side?

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

Show Suggested Answer





Actual exam question from Cisco's 300-415

Question #: 243

Topic #: 1

[\[All 300-415 Questions\]](#)

What are the two reasons a customer chooses to use IPsec tunnels over GRE? (Choose two.)

- A. IPsec failure detection is faster.
- B. Generally, they provide a higher bandwidth for tunnel connection.
- C. CFlowd is required.
- D. A WAN Edge router is behind NAT.
- E. IPsec is more secure.

Show Suggested Answer



Actual exam question from Cisco's 300-415

Question #: 246

Topic #: 1

[\[All 300-415 Questions\]](#)

A company deploys a Cisco SD-WAN solution but has an unstable Internet connection. When the link to vSmart comes back up, the WAN Edge router routing table is not refreshed, and some traffic to the destination network is dropped. The headquarters is the hub site, and it continuously adds new sites to the SD-WAN network. An engineer must configure route refresh between WAN Edge and vSmart within 2 minutes.

Which configuration meets this requirement?

- A.

```
omp
no shutdown
 graceful-restart
 timers
 holdtime 120
```
- B.

```
omp
no shutdown
 graceful-restart
 timers
 advertisement-interval 120
```
- C.

```
omp
no shutdown
no graceful-restart
```
- D.

```
omp
no shutdown
 graceful-restart
 timers
 eor-timer 120
```

Show Suggested Answer

Actual exam question from Cisco's 300-415

Question #: 247

Topic #: 1

[\[All 300-415 Questions\]](#)

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.

Manage Preference and Prefix Lists

Choose hub preference and add prefix lists as desired.

All hubs are equal (All Spokes Sites connect to all Hubs) Advertise Hub TLOCs Hub_TLOCs x

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

B.

Manage Preference and Prefix Lists

Choose hub preference and add prefix lists as desired.

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

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

C.

Manage Preference and Prefix Lists

Choose hub preference and add prefix lists as desired.

All hubs are equal (All Spokes Sites connect to all Hubs) Advertise Hub TLOCs Hub_TLOCs x

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

D.

Choose hub preference and add prefix lists as desired.

All hubs are equal (All Spokes Sites connect to all Hubs) Advertise Hub TLOCs Hub_TLOCs x

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

Show Suggested Answer



Actual exam question from Cisco's 300-415

Question #: 248

Topic #: 1

[\[All 300-415 Questions\]](#)

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. installs the controllers in two cloud regions in a primary and backup setup
- D. allows integration of the WAN Edge devices in the cloud
- E. automatically implements zone-based firewalling on the controllers

Show Suggested Answer





Actual exam question from Cisco's 300-415

Question #: 249

Topic #: 1

[\[All 300-415 Questions\]](#)

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

- A. firewall policy
- B. data policy
- C. service-insertion policy
- D. control policy

Show Suggested Answer





Actual exam question from Cisco's 300-415

Question #: 251

Topic #: 1

[\[All 300-415 Questions\]](#)

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

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

Show Suggested Answer





Actual exam question from Cisco's 300-415

Question #: 252

Topic #: 1

[\[All 300-415 Questions\]](#)

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

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

Show Suggested Answer





Actual exam question from Cisco's 300-415

Question #: 253

Topic #: 1

[\[All 300-415 Questions\]](#)

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

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

Show Suggested Answer





Actual exam question from Cisco's 300-415

Question #: 255

Topic #: 1

[\[All 300-415 Questions\]](#)

A customer wants to use AWS for Cisco SD-WAN IaaS 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 SaaS
- B. Cisco Cloud onRamp for Colocation
- C. Cisco Cloud onRamp for IaaS
- D. Cisco Cloud onRamp for Multicloud

Show Suggested Answer



Actual exam question from Cisco's 300-415

Question #: 256

Topic #: 1

[\[All 300-415 Questions\]](#)

Refer to the exhibit.

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

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

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

Show Suggested Answer



Actual exam question from Cisco's 300-415

Question #: 257

Topic #: 1

[\[All 300-415 Questions\]](#)

DRAG DROP

Drag and drop the alarm states from the left onto the corresponding alarm descriptions on the right.

Critical (Red)

events that might diminish performance of network

Major (Yellow)

events that impair overlay network function

Medium (Blue)

events that affect operation of network function

Minor (Green)

events that might impair performance of network

Show Suggested Answer



Actual exam question from Cisco's 300-415

Question #: 258

Topic #: 1

[\[All 300-415 Questions\]](#)

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 Serial Number list? (Choose two.)

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

Show Suggested Answer





Actual exam question from Cisco's 300-415

Question #: 259

Topic #: 1

[\[All 300-415 Questions\]](#)

Which component is responsible for creating and maintaining the secure DTLS/TLS connection on the vSmart controller?

- A. vdaemon
- B. OMP
- C. SNMP
- D. NETCONF

Show Suggested Answer





Actual exam question from Cisco's 300-415

Question #: 260

Topic #: 1

[\[All 300-415 Questions\]](#)

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

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

Show Suggested Answer





Actual exam question from Cisco's 300-415

Question #: 261

Topic #: 1

[\[All 300-415 Questions\]](#)

Which two architectural components are part of an SD-WAN high availability vManage cluster? (Choose two.)

- A. network configuration system
- B. WAN Edge router
- C. NAT router
- D. messaging server
- E. application server

Show Suggested Answer



Actual exam question from Cisco's 300-415

Question #: 262

Topic #: 1

[\[All 300-415 Questions\]](#)

An engineer modifies a data policy for DIA in VPN 67. The location has two Internet-bound circuits. Only the web browsing traffic must be admitted for DIA, without further discrimination about which transport to use.

Here is the existing data policy configuration:

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

Which policy configuration sequence meets the requirements?

A.

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

B.

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

C.

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

D.

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

Show Suggested Answer



Actual exam question from Cisco's 300-415

Question #: 263

Topic #: 1

[\[All 300-415 Questions\]](#)

Which two performance data details are provided by Cisco SD-WAN vAnalytics? (Choose two.)

- A. certificate authority status (health and expiration dates) for all controllers
- B. application quality of experience score from zero to ten
- C. details on total cost of ownership for the fabric
- D. jitter, loss, and latency for data tunnels
- E. view devices connected to a vManage NMS

Show Suggested Answer





Actual exam question from Cisco's 300-415

Question #: 264

Topic #: 1

[\[All 300-415 Questions\]](#)

How is the 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.

Show Suggested Answer



Actual exam question from Cisco's 300-415

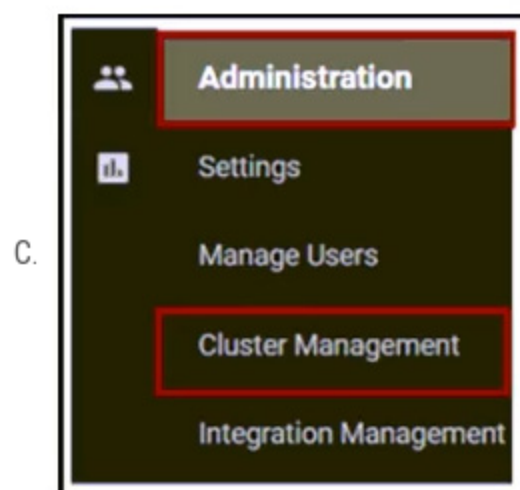
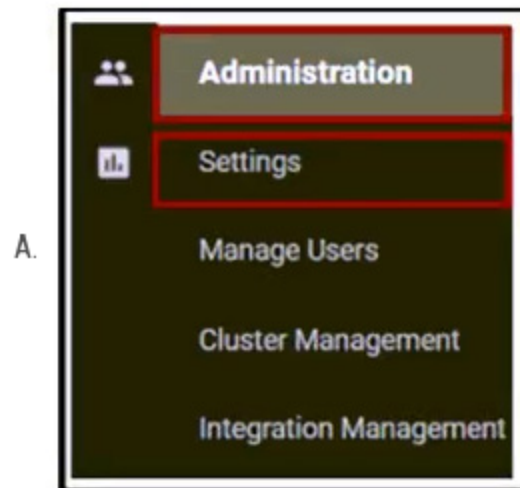
Question #: 265

Topic #: 1

[\[All 300-415 Questions\]](#)

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?



Show Suggested Answer

Actual exam question from Cisco's 300-415

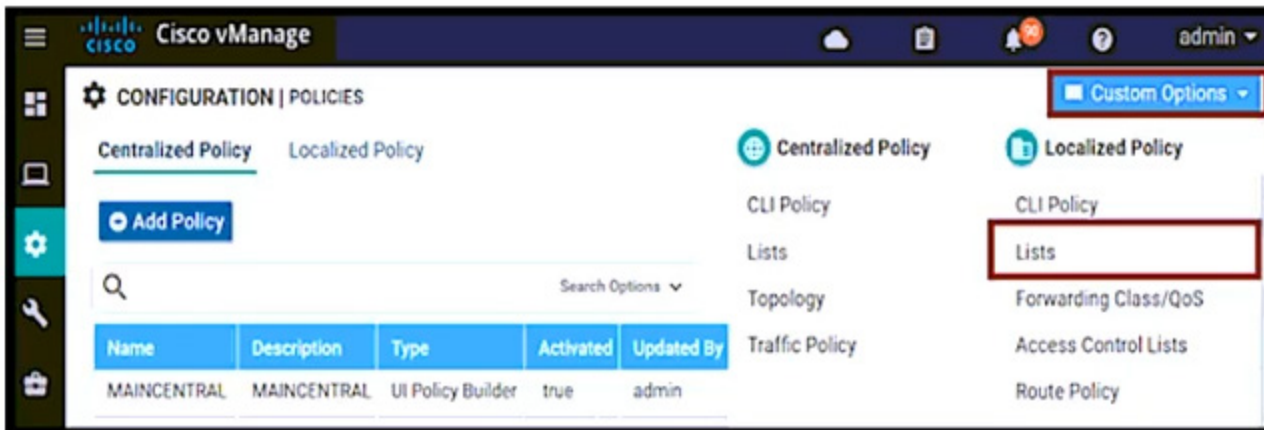
Question #: 266

Topic #: 1

[\[All 300-415 Questions\]](#)

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

A.



Configuration page showing Centralized Policy and Localized Policy options. The 'Lists' option is highlighted in a red box.

Name	Description	Type	Activated	Updated By
MAINCENTRAL	MAINCENTRAL	UI Policy Builder	true	admin

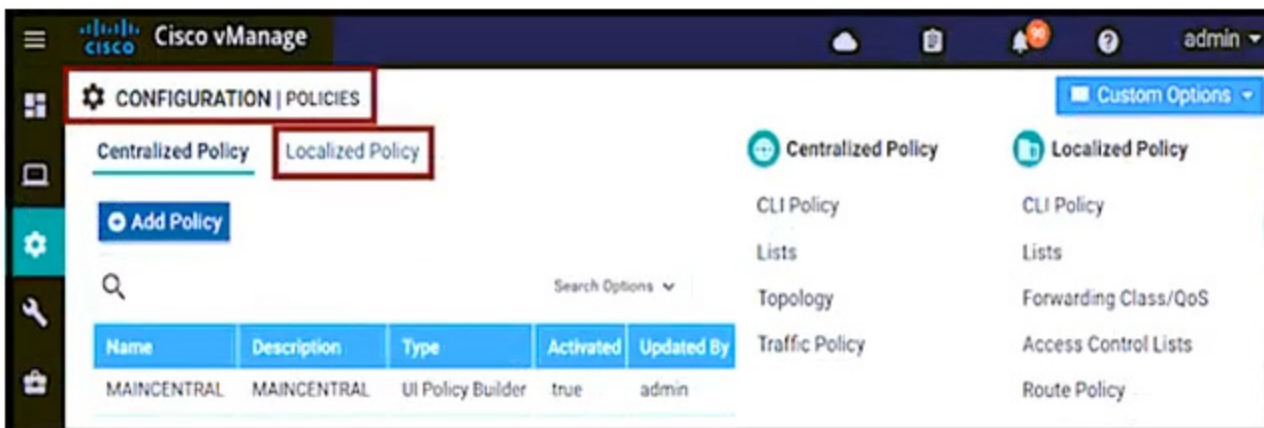
B.



Configuration page showing CONFIGURATION | TEMPLATES. The 'Device' tab is highlighted in a red box.

Name	Description	Type	Device Model	Feature Templates	Devices Attached	Updated By	Last Updated	Template Status
VE-0R-DEV-TEMP	VE-0R-DEV-TEMP	Feature	vEdge Cloud	16	3	admin	20 Jun 2020 7:33...	In Sync
VS-DEV-TEMP	VS-DEV-TEMP	Feature	vSmart	9	1	admin	20 Jun 2020 5:37...	In Sync
VC-10-DEV-TEMP	VE-10-DEV-TEMP	Feature	vEdge Cloud	15	1	admin	20 Jun 2020 12:4...	In Sync

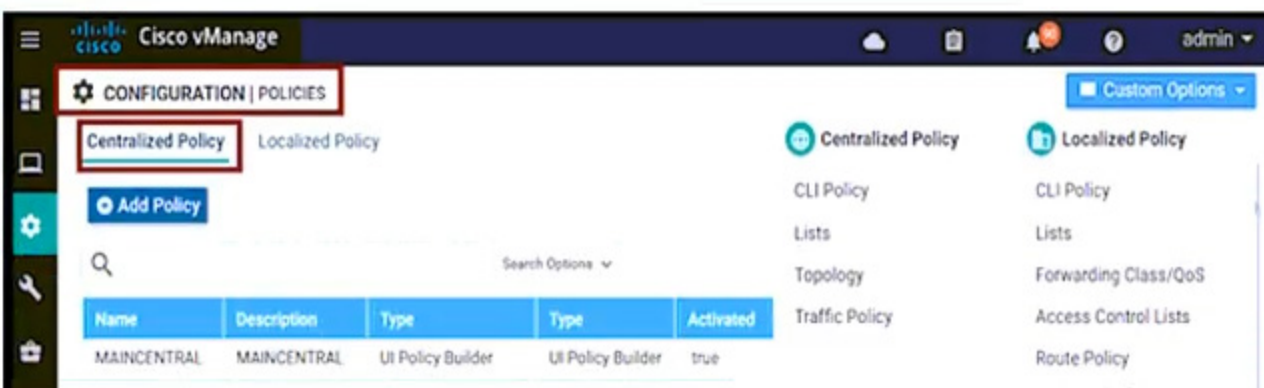
C.



Configuration page showing CONFIGURATION | POLICIES. The 'Centralized Policy' and 'Localized Policy' tabs are highlighted in red boxes.

Name	Description	Type	Activated	Updated By
MAINCENTRAL	MAINCENTRAL	UI Policy Builder	true	admin

D.



Configuration page showing CONFIGURATION | POLICIES. The 'Centralized Policy' tab is highlighted in a red box.

Name	Description	Type	Type	Activated
MAINCENTRAL	MAINCENTRAL	UI Policy Builder	UI Policy Builder	true

Show Suggested Answer



Actual exam question from Cisco's 300-415

Question #: 267

Topic #: 1

[\[All 300-415 Questions\]](#)

What happens if the intelligent proxy is unreachable in the Cisco SD-WAN network?

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

Show Suggested Answer

