

Exam Questions 300-415

Implementing Cisco SD-WAN Solutions (ENSDWI)

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



NEW QUESTION 1

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

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

Answer: D

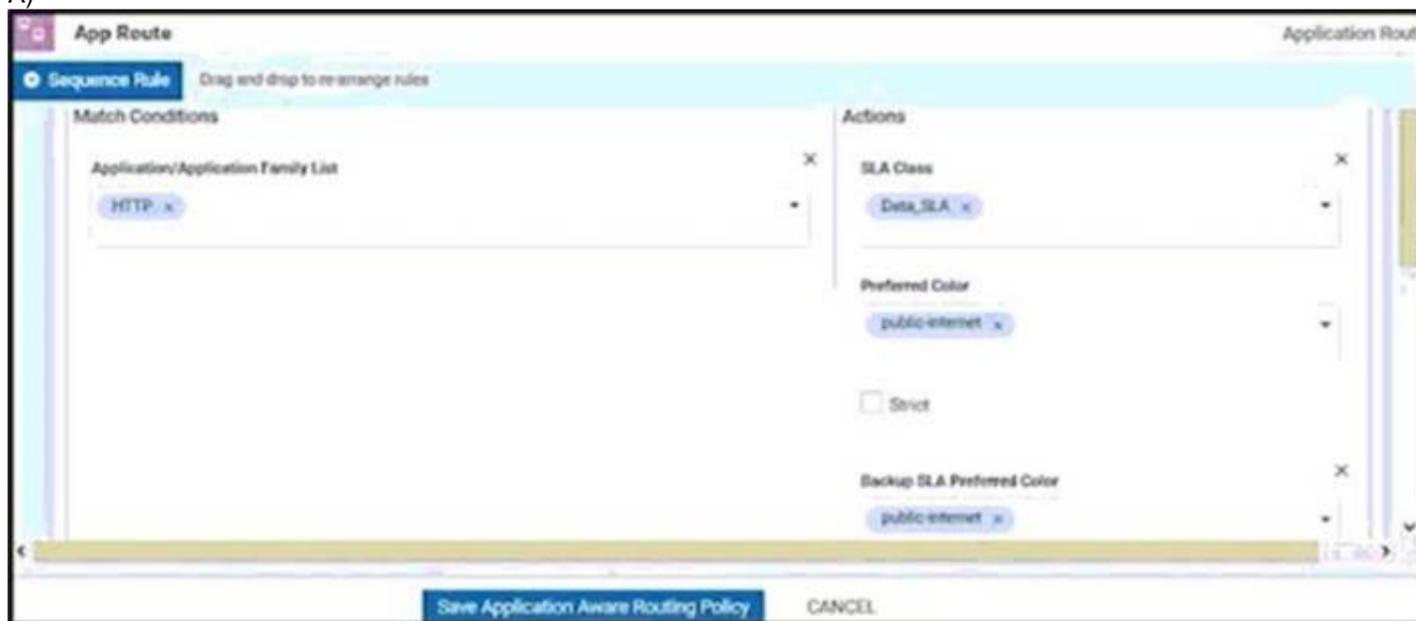
Explanation:

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

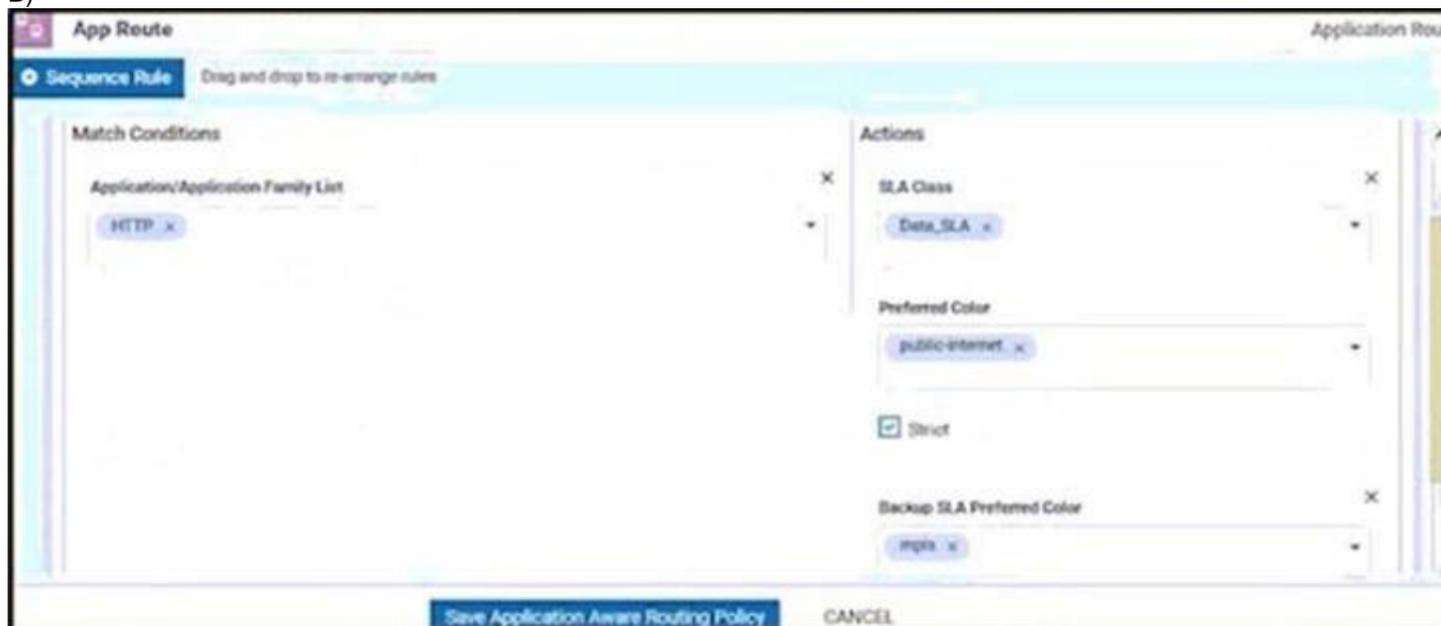
NEW QUESTION 2

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

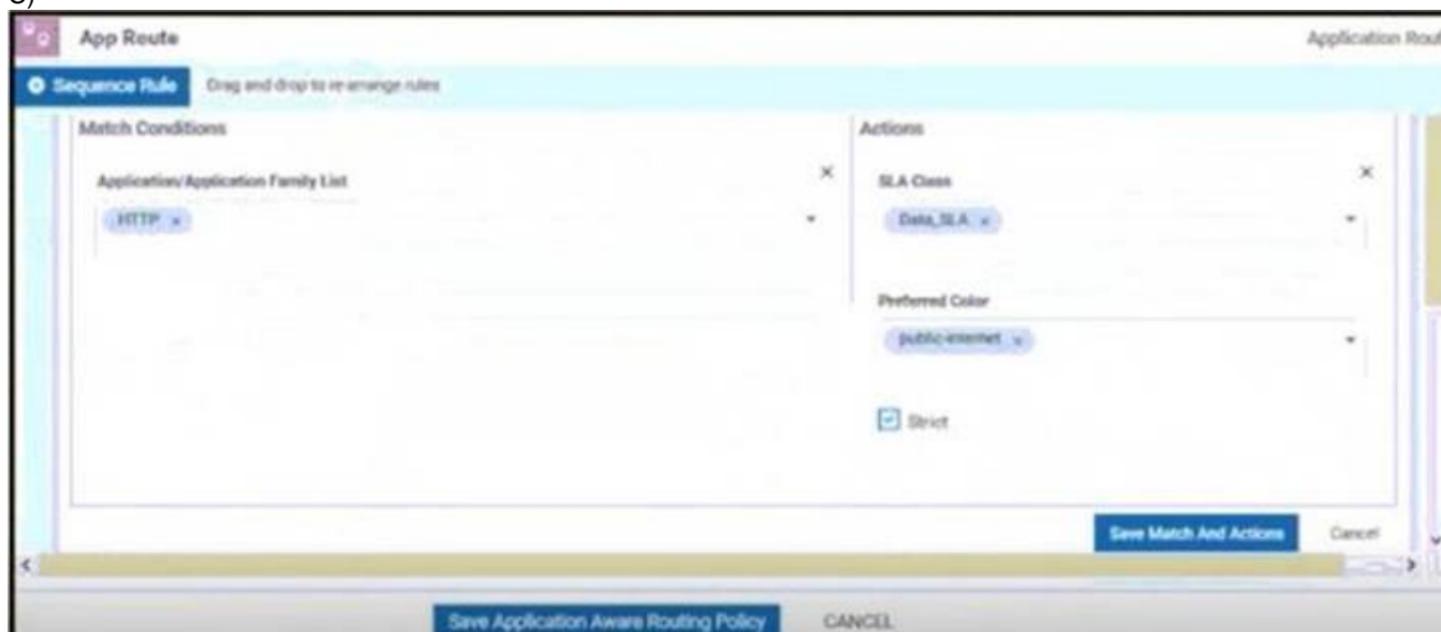
A)



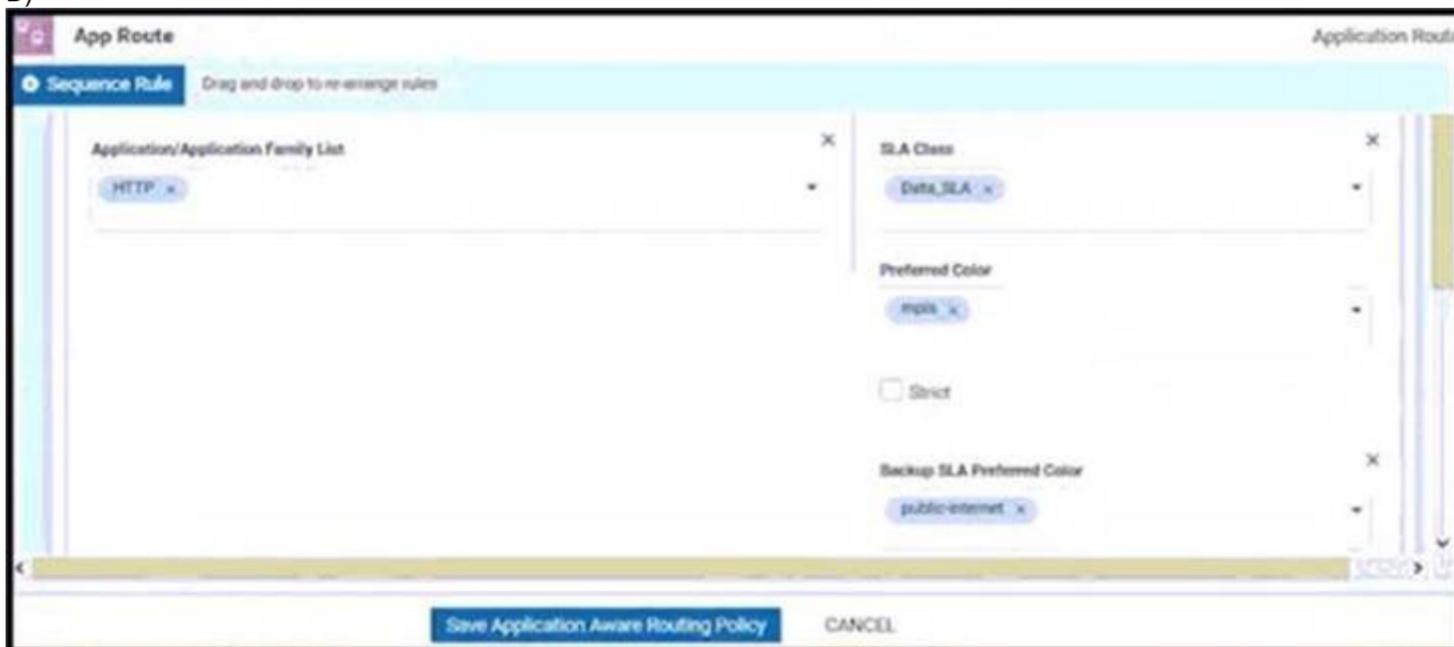
B)



C)



D)



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

Answer: C

NEW QUESTION 3

Refer to the exhibit.

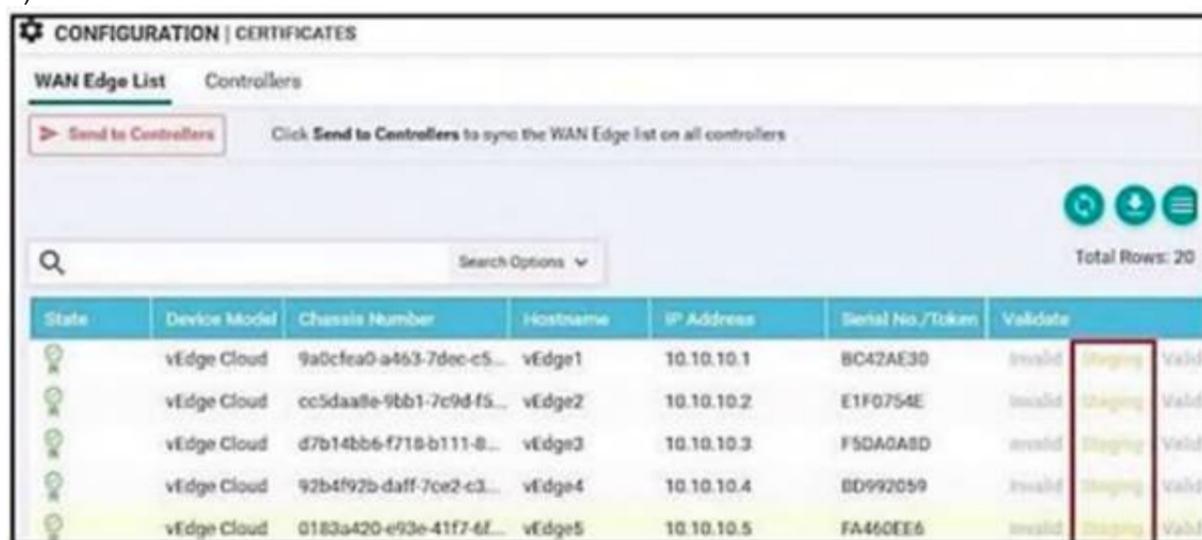
```
vEdge1# show control connections
```

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

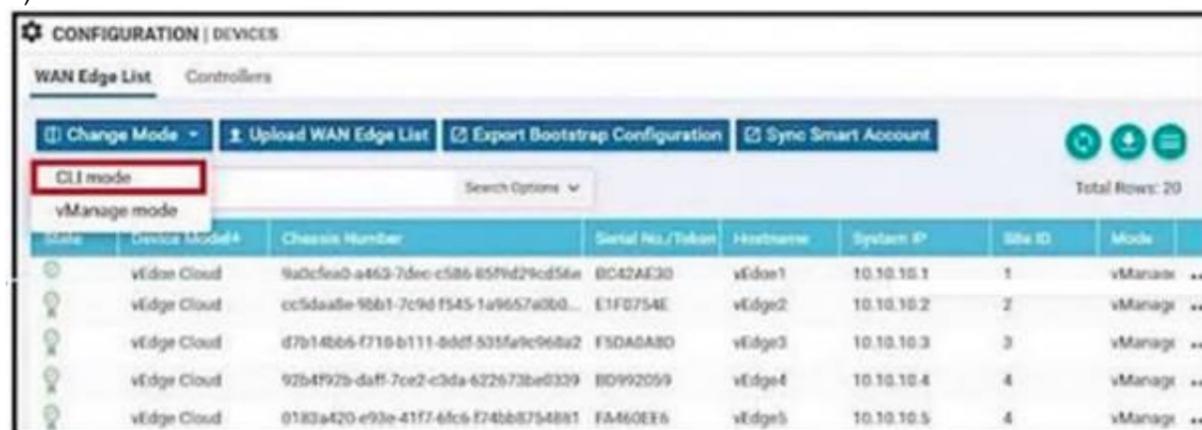
up

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

A)



B)



C)

CONFIGURATION | CERTIFICATES

WAN Edge List Controllers

Send to Controllers Click Send to Controllers to sync the WAN Edge list on all controllers

Search Options

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	F5DA0A8D	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)

CONFIGURATION | CERTIFICATES

WAN Edge List Controllers

Send to Controllers Click Send to Controllers to sync the WAN Edge list on all controllers

Search Options

Total Rows: 20

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	F5DA0A8D	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

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

Answer: A

NEW QUESTION 4

A network administrator is creating an OMP feature template from the vManage GUI to be applied to WAN edge routers. Which configuration attribute will avoid the redistribution of the routes back into the OMP from the LAN side?

- A. configure "Number of Paths Advertised per Prefix"
- B. configure "Overlay AS Number"
- C. configure "Send Backup Paths"
- D. configure "ECMP limit"

Answer: B

Explanation:

If you configure the same **overlay AS number** on multiple vEdge routers in the overlay network, all these routers are considered to be part of the same AS, and as a result, they do not forward any routes that contain the overlay AS number. This mechanism is an additional technique for **preventing BGP routing loops** in the network.

NEW QUESTION 5

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

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

Answer: B

Explanation:

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

NEW QUESTION 6

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

Answer: B

Explanation:

https://sdwan-docs.cisco.com/Product_Documentation/vManage_Help/Release_18.2/Configuration/Templates/B

NEW QUESTION 7

What is a benefit of the application-aware firewall?

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

Answer: C

NEW QUESTION 8

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

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

Answer: D

Explanation:

WAN Edge router - This device, available as either a hardware appliance or software-based router, sits at a physical site or in the cloud and provides secure data plane connectivity among the sites over one or more WAN transports. It is responsible for traffic forwarding, security, encryption, quality of service (QoS), routing protocols such as Border Gateway Protocol (BGP) and Open Shortest Path First (OSPF), and more.

NEW QUESTION 9

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

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

Answer: B

Explanation:

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

NEW QUESTION 10

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

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

Answer: C

NEW QUESTION 10

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

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

Answer: D

Explanation:

The Cisco vBond Orchestrator orchestrates the initial control connection between Cisco vSmart Controllers and vEdge routers. It creates DTLS tunnels to the Cisco vSmart Controllers and vEdge routers to authenticate each node that is requesting control plane connectivity. This authentication

NEW QUESTION 12

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

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

Answer: AC

Explanation:

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

The following figure illustrates Cisco vEdge Cloud router solution elements.



NEW QUESTION 14

What is a description of vManage NMS?

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

Answer: B

Explanation:

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

NEW QUESTION 17

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

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

Answer: D

Explanation:

Features like TLOC extension help to build transport redundancy by using the cross link between two redundant WAN Edge routers. Network level redundancy is implemented by multiple geo-redundant data centers.

NEW QUESTION 22

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

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

Answer: B

Explanation:

<https://documenter.getpostman.com/view/3224967/SVmpXhXd#ed9ccd34-cc5a-4258-bb6b-9b3848b7f650>

NEW QUESTION 25

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



- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Cisco NFV Infrastructure Building Blocks

- **Compute:** Cisco Unified Computing System™ (Cisco UCS®) for a carrier class and reliable compute infrastructure.
- **Storage:** Cisco UCS hardware and CEPH provide reliable storage. The user has the options to introduce additional storage as capacity needs grow.
- **Networking:** Cisco Nexus® 9000 series hardware provides high throughput, low latency, and rich feature sets.
- **Virtualized Infrastructure:** Fully integrated Red Hat Enterprise Linux and Red Hat OpenStack Platform runs on top of Cisco Unified Computing System™ (Cisco UCS®). It is open source yet hardened and mature.
- **Management:** Cisco UCS Director functions as a unified management tool across multiple virtual environments. SDN controller is optional.

NEW QUESTION 29

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

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

Answer: A

NEW QUESTION 30

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

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

Answer: B

NEW QUESTION 35

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

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

Answer: D

NEW QUESTION 36

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?

- 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
- 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
- policy
control-policy Route_Leaking
sequence 1
match route
VPN_ALL
prefix-list _AnyIpv4PrefixList
action accept
export-to VPN_ALL
- policy
control-policy Route_Leaking
sequence 1
match route
VPN_50 VPN_73
prefix-list _AnyIpv4PrefixList
action accept
export-to VPN_73 VPN_50

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

Answer: A

NEW QUESTION 38

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

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

Answer: C

Explanation:

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

NEW QUESTION 40

What is a benefit of using REST APIs?

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

Answer: B

NEW QUESTION 44

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

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

Answer: A

Explanation:

- VPN 0 is the transport VPN. It carries control traffic over secure DTLS or TLS connections between vSmart controllers and vEdge routers, and between vSmart controllers and vBond orchestrators. Initially, VPN 0 contains all a device's interfaces except for the management interface, and all the interfaces are disabled. For the control plane to establish itself so that the overlay network can function, you must configure WAN transport interfaces in VPN 0.

NEW QUESTION 45

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

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

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

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

NEW QUESTION 49

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

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

Answer: C

NEW QUESTION 52

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

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

Answer: BE

Explanation:

https://sdwan-docs.cisco.com/Product_Documentation/Software_Features/Release_18.4/Security/01Security_Ov

NEW QUESTION 56

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

Answer: AC

Explanation:

-The gateway vEdge uses HTTP to obtain SaaS application performance information - The client vEdge will use BFD over the IPsec tunnel to the gateway site to obtain client>gateway path performance information

<https://www.cisco.com/c/dam/en/us/td/docs/solutions/CVD/SDWAN/CVD-SD-WAN-Cloud-onRamp-for-SaaS>

NEW QUESTION 58

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

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

Answer: BC

Explanation:

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

NEW QUESTION 62

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

IP address	target1
color	target2
encapsulation	target3
VPN	
service	

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

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

NEW QUESTION 65

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

- A. tunnels
- B. site ID

- C. URL
- D. geolocation
- E. protocol

Answer: AE

Explanation:

<https://docs.umbrella.com/umbrella-user-guide/docs/add-a-firewall-policy>

NEW QUESTION 66

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

Answer: B

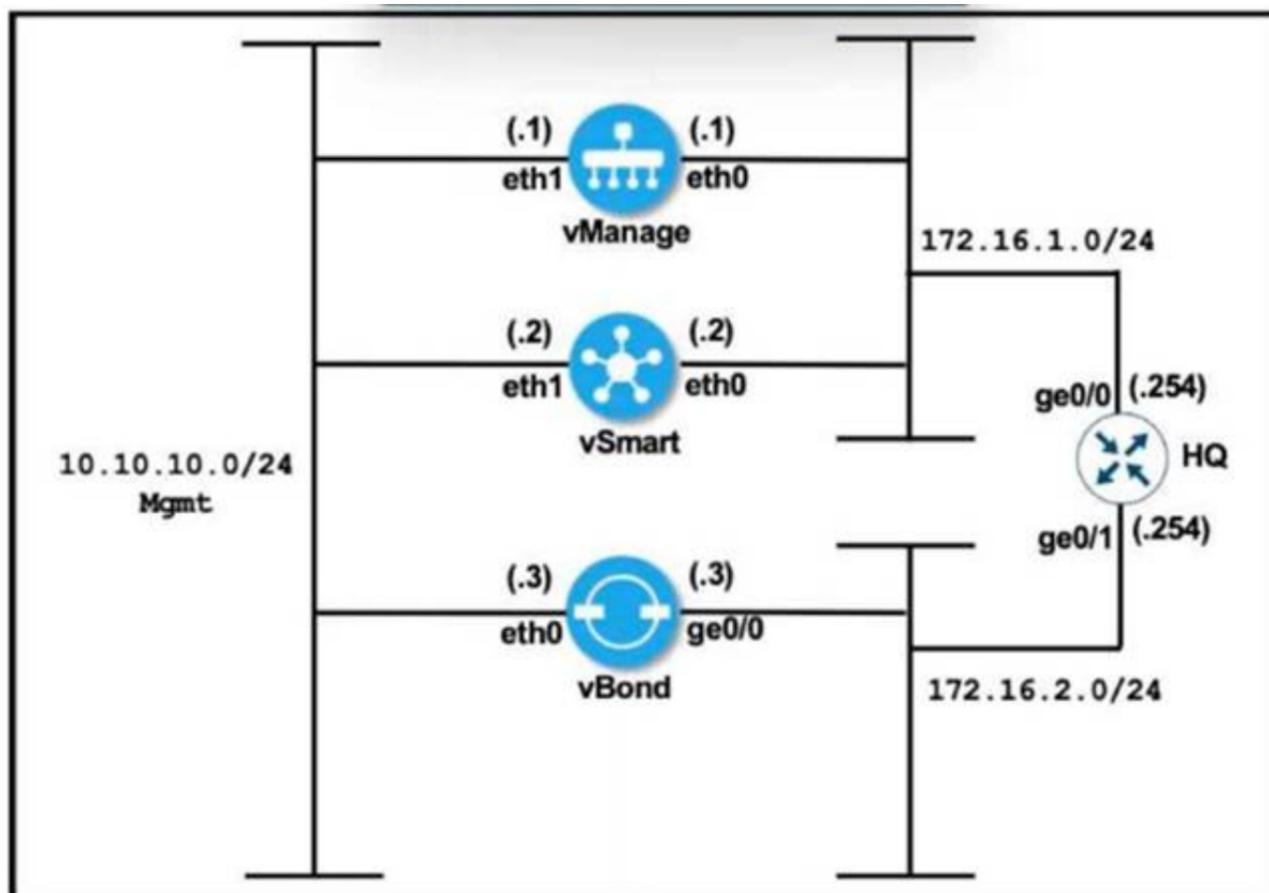
Explanation:

The Cisco SD-WAN solution is comprised of separate orchestration, management, control, and data planes.

- The orchestration plane assists in the automatic onboarding of the SD-WAN routers into the SD-WAN overlay.

NEW QUESTION 68

Refer to the exhibit.



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

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

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

Answer: C

NEW QUESTION 71

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 fulfils this requirement?

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

Answer: A

NEW QUESTION 74

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

Answer: D

Explanation:

TCP Optimization

The Cisco SD-WAN TCP Optimization feature uses **TCP Selective Acknowledgement (SACK)** to prevent unnecessary retransmissions and large initial TCP window sizes in order to maximize throughput and achieve a better quality of experience.

NEW QUESTION 77

An enterprise needs DIA on some of its branches with a common location ID: A041:B70C: D78E::18 Which WAN Edge configuration meets the requirement?

A)

```
vpn 1
interface ge0/1
ip address 172.16.0.1/24
vpn 512
ip route 0.0.0.0/0 vpn 0
```

B)

```
vpn 1
ip route 0.0.0.0/0 vpn 1
interface ge0/0
ip address 172.16.0.1/24
nat
```

C)

```
vpn 0
interface ge0/0
ip address 172.16.0.1/24
nat
vpn 1
ip route 0.0.0.0/0 vpn 0
```

D)

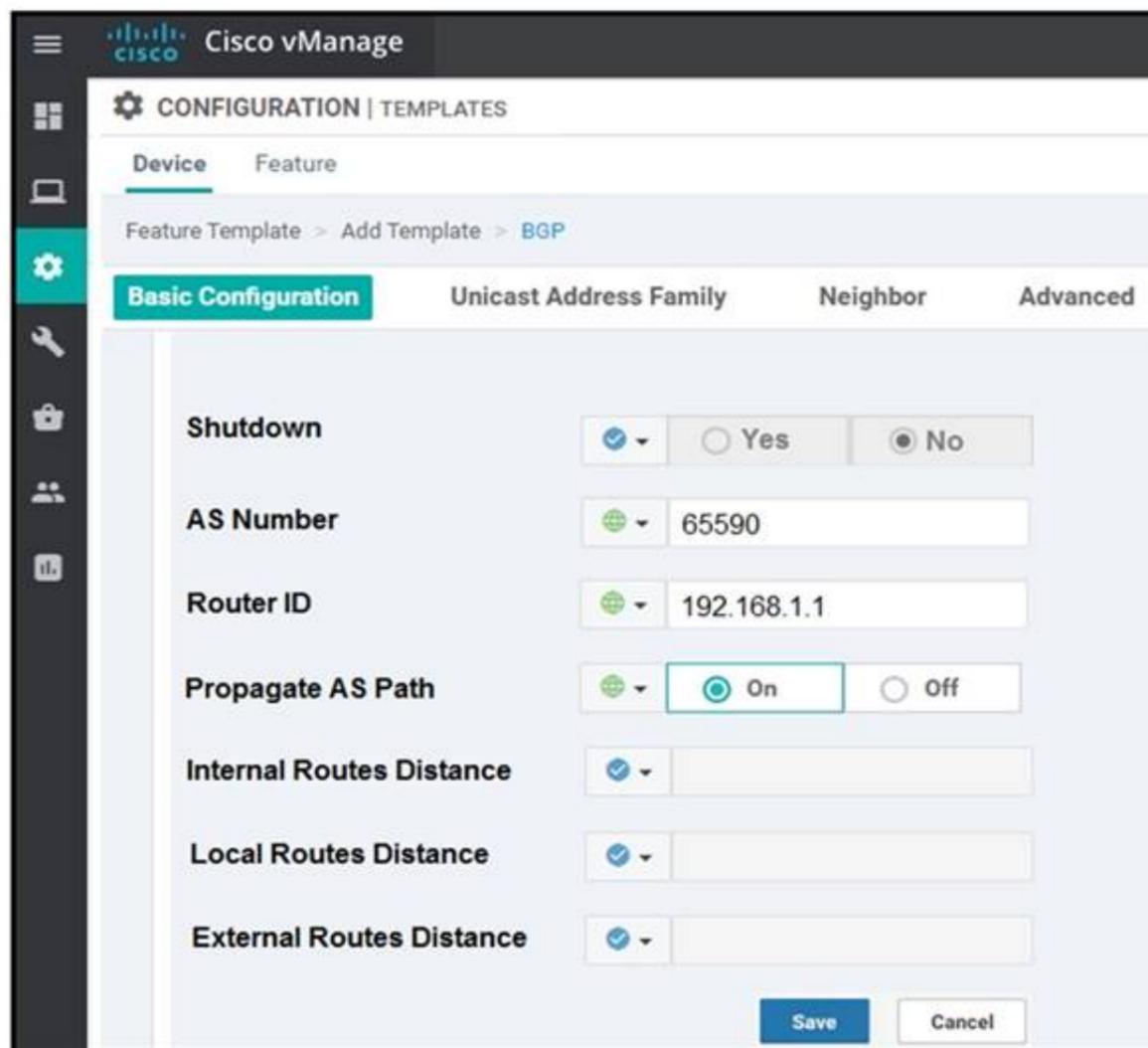
```
vpn 0
ip route 0.0.0.0/0 vpn 0
vpn 1
interface ge0/1
ip address 172.16.0.1/24
nat
```

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

Answer: C

NEW QUESTION 78

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 Distance to 20
- D. Configure External routes distance 20

Answer: C

NEW QUESTION 81

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

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

Answer: C

Explanation:

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

The solution provides enterprises with multiple distributed branch offices that are clustered around major cities or spread over several countries the ability to regionalize the routing services in colocation facilities.

NEW QUESTION 85

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

- A. Vpn-membership policy
- B. Control-policy
- C. cflowd-template
- D. App-route policy

Answer: B

Explanation:

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

NEW QUESTION 90

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

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

Answer: D

NEW QUESTION 95

Refer to the exhibit.

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

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

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

Answer: D

Explanation:

<https://www.cisco.com/c/en/us/support/docs/routers/sd-wan/214509-troubleshoot-control-connections.html>

NEW QUESTION 99

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

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

Answer: B

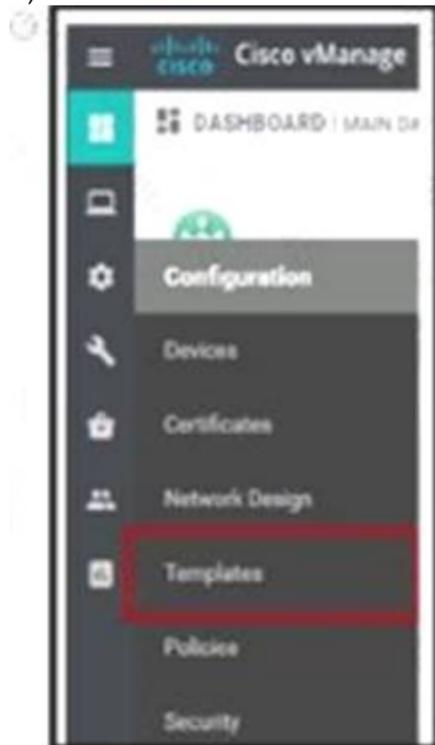
Explanation:

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

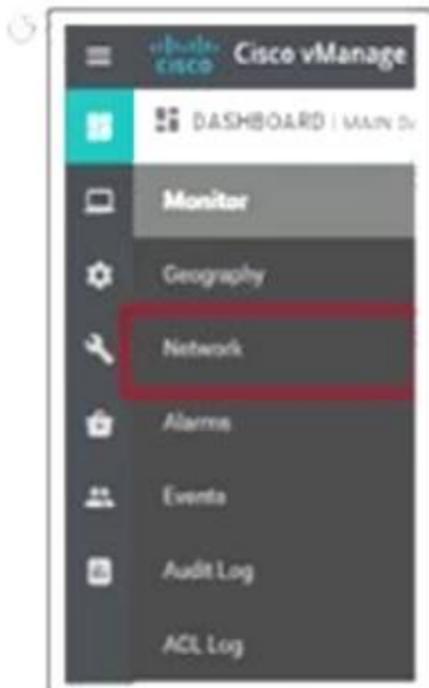
NEW QUESTION 102

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

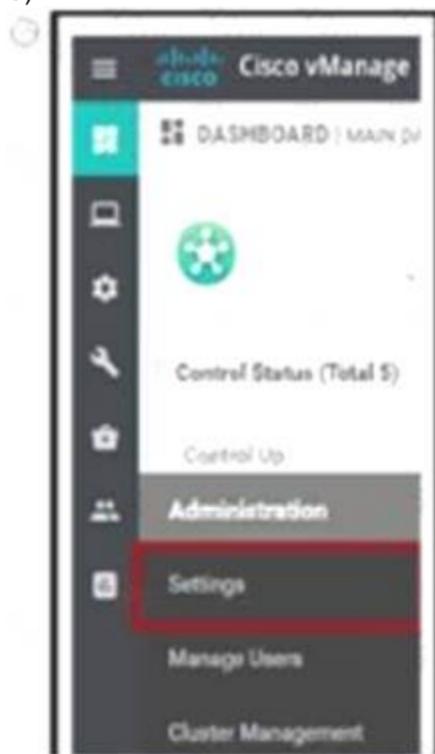
A)



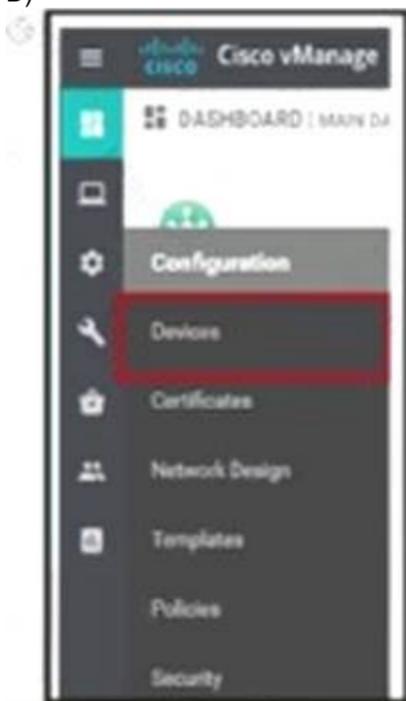
B)



C)



D)



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

Answer: D

Explanation:

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

NEW QUESTION 105

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

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

Answer: C

Explanation:

<https://software.cisco.com/download/home/286320995/type/286321394/release/20.3.3.1>

NEW QUESTION 106

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

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

Answer: CD

NEW QUESTION 107

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

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

Answer: B

Explanation:

In the Add Tenant window:

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

NEW QUESTION 112

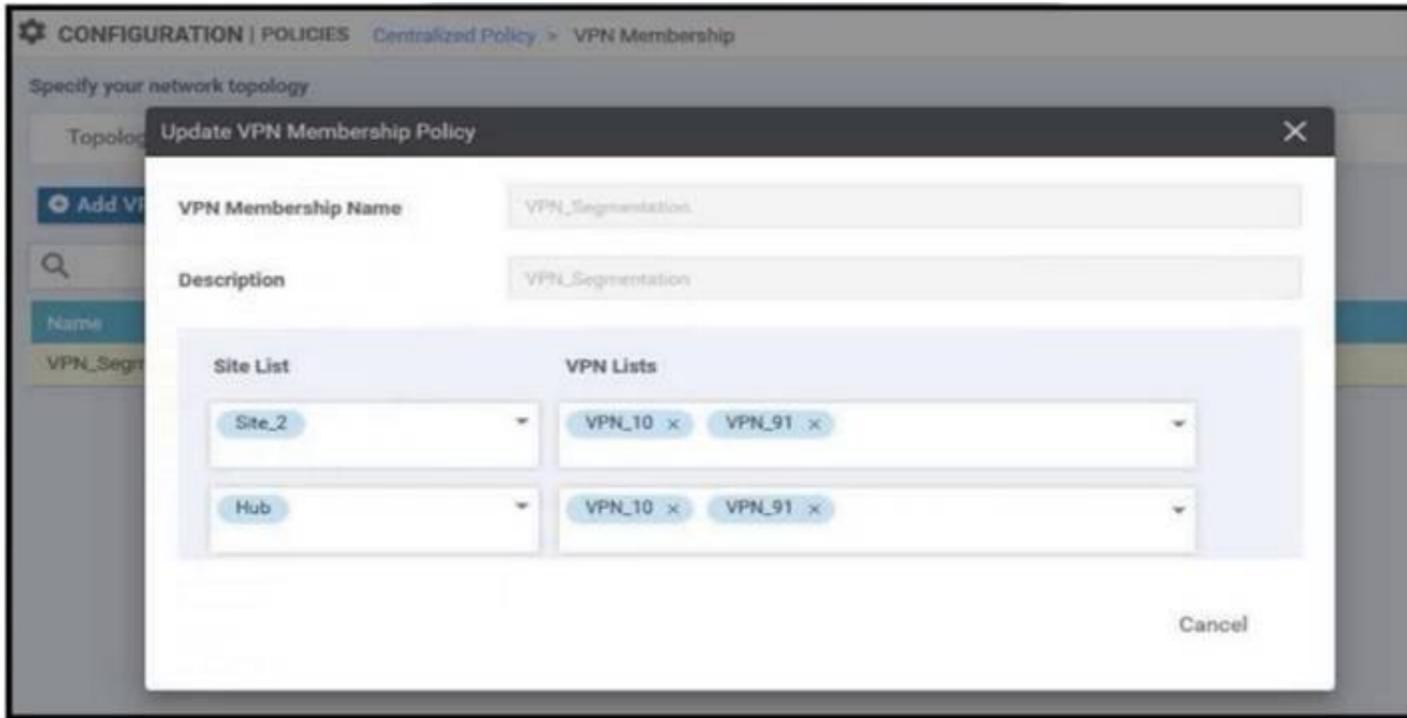
An engineer is configuring a data policy for IPv4 prefixes for a single WAN Edge device on a site with multiple WAN Edge devices How is this policy added using the policy configuration wizard?

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

Answer: A

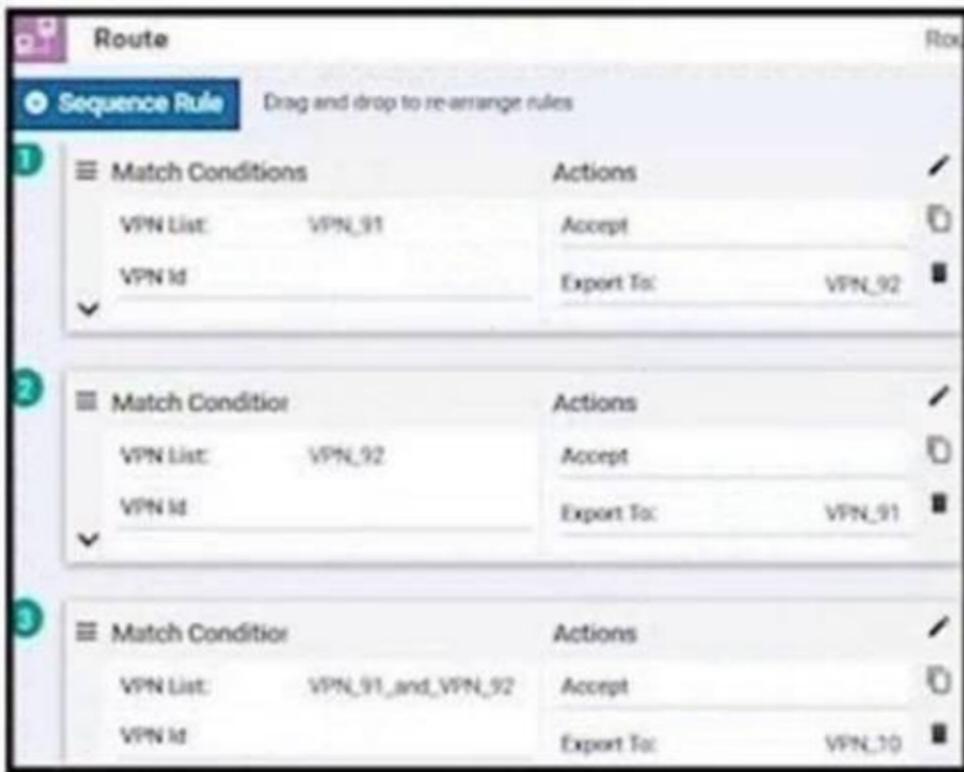
NEW QUESTION 116

Refer to the exhibit.

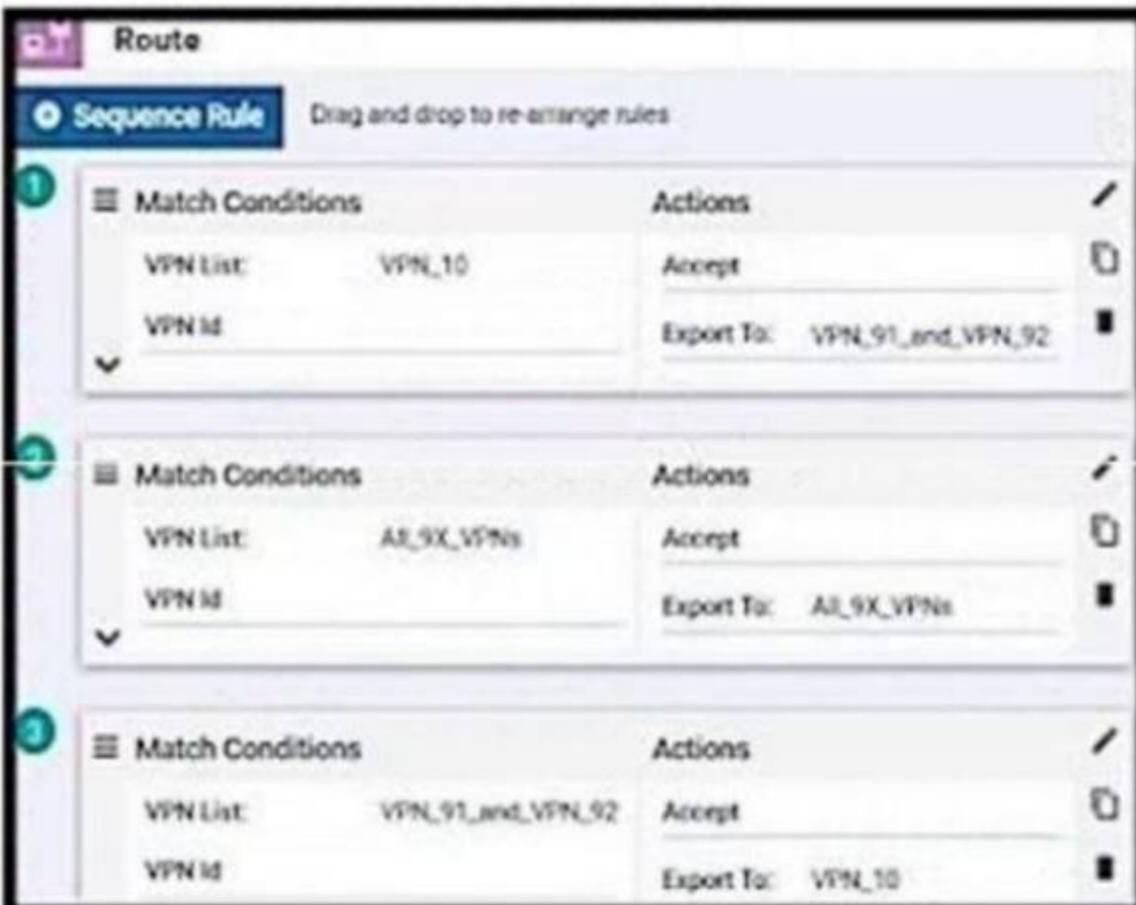


An enterprise has hub and spoke topology where it has several VPNs. An engineer must allow users in VPN91 to reach users in VPN92 and VPN10 to reach VPN91 and VPN92. Which configuration meets these requirements?

A)



B)



C)



D)



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

Answer: C

NEW QUESTION 121

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

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

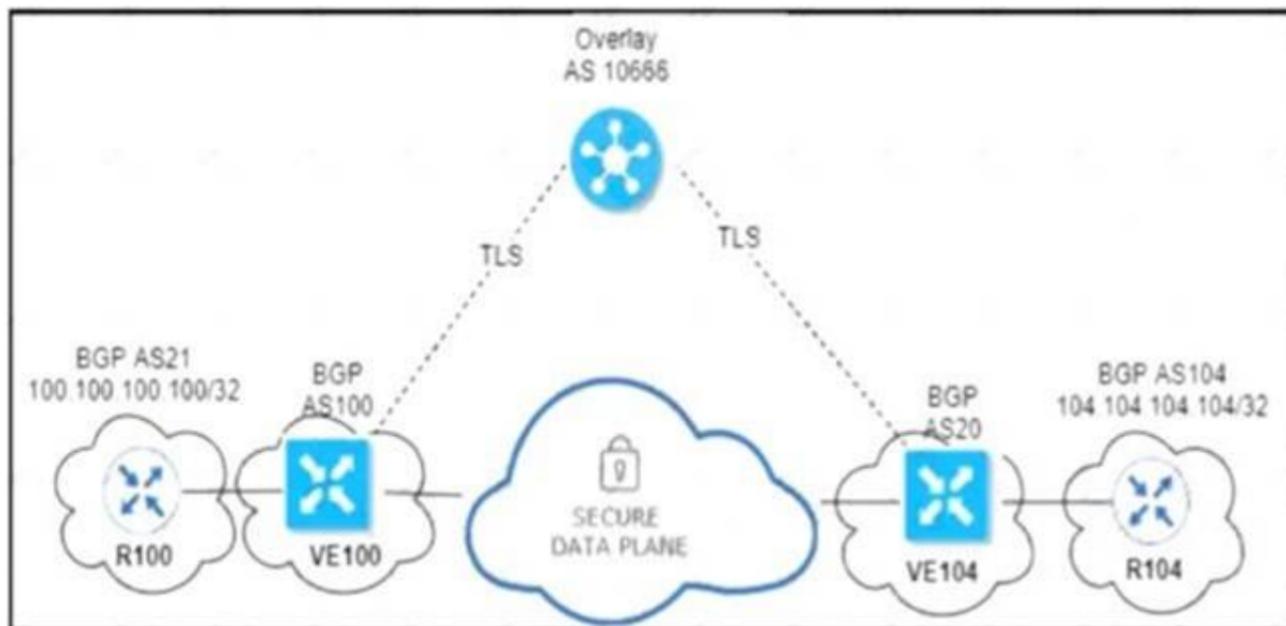
Answer: A

Explanation:

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

NEW QUESTION 126

Refer to the exhibit.



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

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

Answer: A

NEW QUESTION 127

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

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

Answer: BD

Explanation:

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

NEW QUESTION 132

Refer to the exhibit

```

vpn 1
service netsvc1 interface ipsec1

from-vsmart data-policy _1_ServiceIsertionIPSec
direction from-service
vpn-list 1
sequence 1
match
destination-ip 1.1.1.1/32
action accept
set
service netsvc1
default-action accept
from-vsmart lists vpn-list 1
vpn 1
    
```

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

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

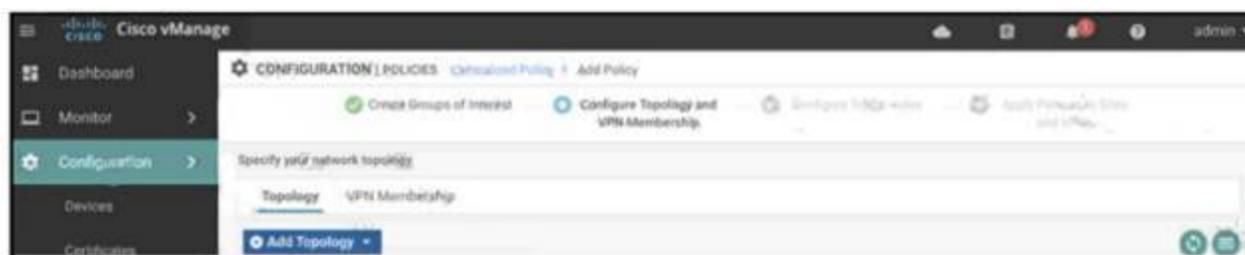
Answer: B

Explanation:

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

NEW QUESTION 136

Refer to the exhibit.



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

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

Answer: D

Explanation:

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

NEW QUESTION 139

An engineer must deploy a QoS policy with these requirements:

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

Which configuration meets the requirements?

- A.

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

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

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

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

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

Answer: B

NEW QUESTION 141

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

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

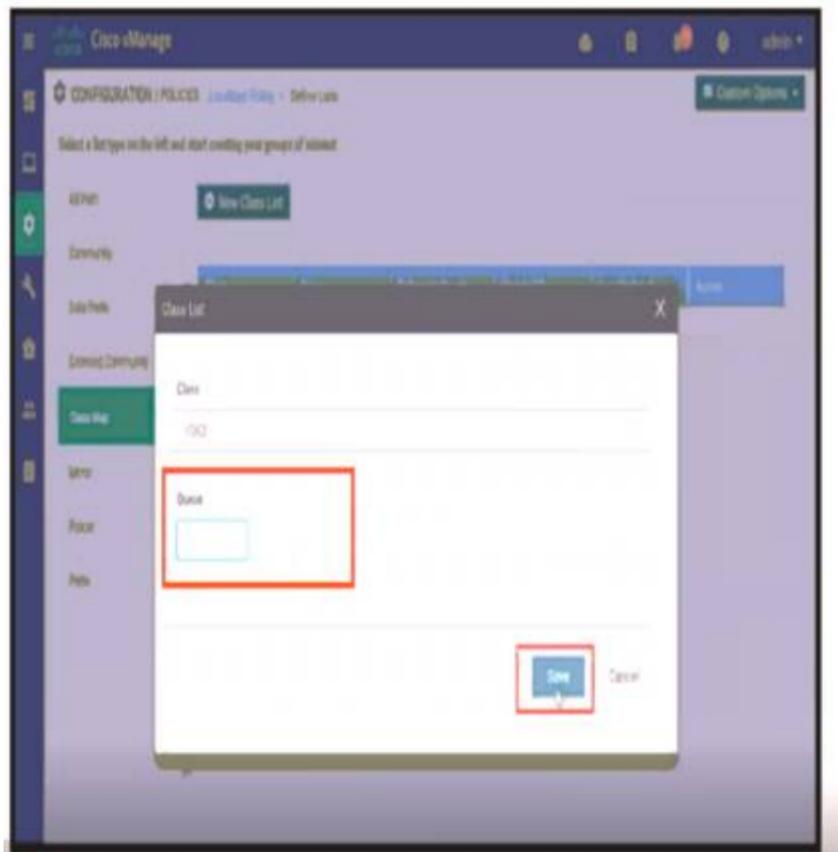
Answer: A

Explanation:

<https://www.cisco.com/c/dam/en/us/td/docs/solutions/CVD/SDWAN/CVD-SD-WAN-Design-2018OCT.pdf>

NEW QUESTION 144

Refer to the exhibit.



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

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

Answer: A

NEW QUESTION 147

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

- A. vEdge2000
- B. ASR1001
- C. CSR 1000v
- D. ISR 1101

Answer: D

NEW QUESTION 151

Refer to the exhibit.

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

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

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

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

Answer: B

Explanation:

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

NEW QUESTION 154

How many subnets are necessary in Azure VNet for a WAN Edge device to function in the cloud deployment?

- A. CSR is the WAN Edge device that is supported in the Microsoft clou
- B. The Microsoft underlay cloud fabric performs the management function.
- C. There must be three subnets in VNet: management, public, and services.
- D. One public subnet is required in VNe
- E. The Microsoft underlay cloud fabric performs all of the routing functions for WAN Edge.
- F. Public and services subnets are required in VNe
- G. The Microsoft underlay cloud fabric performs the management function.

Answer: D

NEW QUESTION 156

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

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

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

VPN 512	route-map
VPN 0	VPN 0
route-map	VPN 512
organization name	VPN 10
VPN 10	organization name

NEW QUESTION 157

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

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

Answer: B

Explanation:

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

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

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

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

NEW QUESTION 162

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

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

Answer: A

NEW QUESTION 165

How is TLOC defined?

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

Answer: C

NEW QUESTION 170

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

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

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

Answer: C

Explanation:

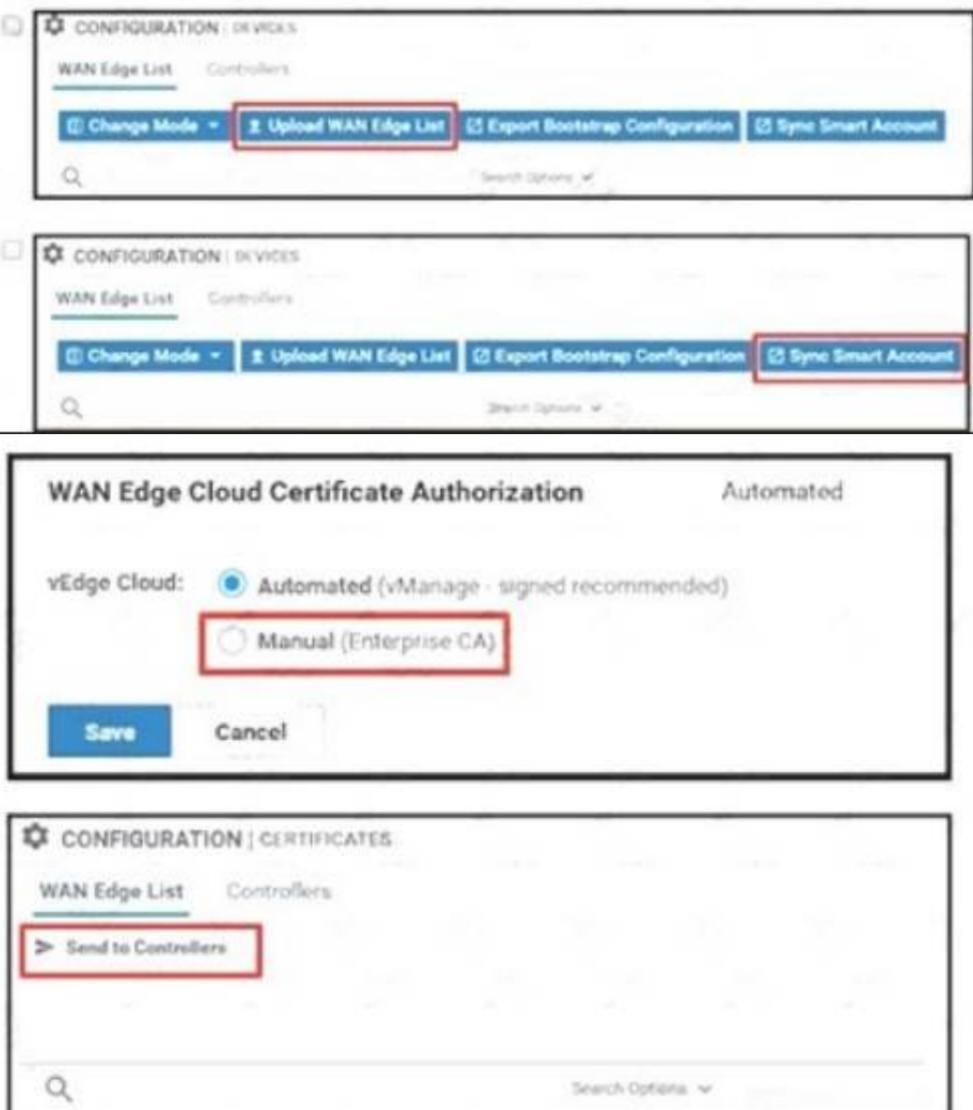
Configure a tunnel interface over which to run TLOC extensions (on IOS XE routers only). TLOC extensions allow you to extend a TLOC, over a GRE tunnel, to another router in the branch.

Command Hierarchy

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

NEW QUESTION 173

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



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

Answer: AB

Explanation:

https://sdwan-docs.cisco.com/Product_Documentation/vManage_Help/Release_18.4/Configuration/Devices

NEW QUESTION 177

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

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

Answer: A

Explanation:

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

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

NEW QUESTION 181

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

Answer: A

Explanation:

https://www.cisco.com/c/en/us/td/docs/solutions/CVD/SDWAN/Cisco_Cloud_onRamp_for_IaaS_AWS_Versio

NEW QUESTION 183

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

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

Answer: C

Explanation:

vSmart and vManage are normally installed behind NAT device, so port hopping is not needed. **vBond always uses to other Viptela devices using port 12346** and they never use port hopping.

NEW QUESTION 188

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

- `omp
timers
advertisement-interval 60
holdtime 180
graceful-restart-timer 43200`
- `omp
timers
advertisement-interval 1
holdtime 180
graceful-restart-timer 43200`
- `omp
timers
advertisement-interval 1
holdtime 180
graceful-restart-timer 720`
- `omp
timers
advertisement-interval 60
holdtime 60
graceful-restart-timer 720`

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

Answer: A

Explanation:

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

NEW QUESTION 191

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 the *AmazonCreateVPC* and "Amazon Provision EC2" permission policy to the IAM account
- B. Subscribe to the SD-WAN Edge router AMI in the AWS account
- C. Attach an OSPF feature template to the AWS cloud Edge router template
- 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

Answer: BD

Explanation:

The pre-requisites include verifying you meet the AWS prerequisites, including the necessary AWS credentials and subscriptions to the Amazon Machine Image (AMI) instances for Cisco SD-WAN Edge routers (Cisco CSR 1000v virtual routers or Cisco vEdge Cloud); verifying you have available tokens/licenses for at least two additional Cisco SD-WAN Edge Routers within Cisco vManage; and configuring and deploying device templates for the Cisco SD-WAN Edge routers that will be used within the transit VPCs.

Note that the creation of the customer host VPCs, shown in the figure above, is outside the scope of this document. It is assumed that one or more customer host VPCs have already been created.

https://www.cisco.com/c/en/us/td/docs/solutions/CVD/SDWAN/Cisco_Cloud_onRamp_for_IaaS_AWS_Versio

NEW QUESTION 192

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

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

Answer: B

Explanation:

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

NEW QUESTION 195

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

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

Answer: BC

NEW QUESTION 199

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

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

Answer: D

NEW QUESTION 204

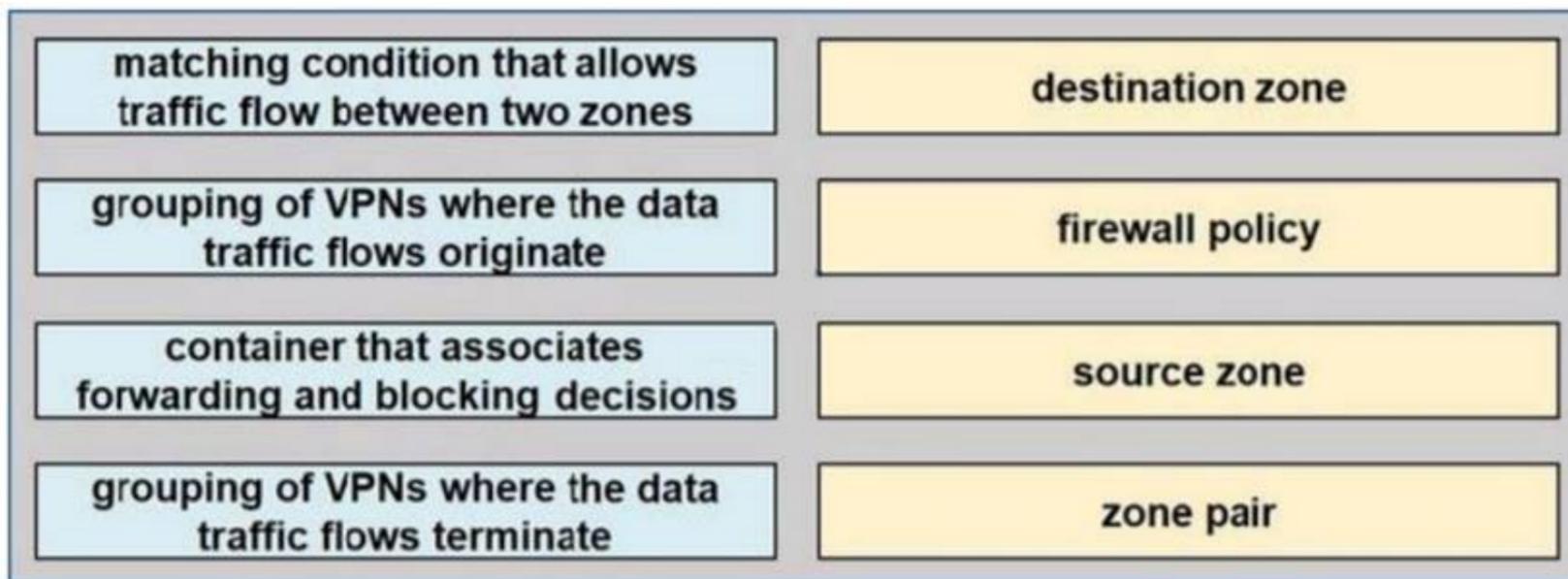
For data plane resiliency, what does the Cisco SD-WAN software implement?

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

Answer: A

NEW QUESTION 207

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



- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

- **Source zone**—A grouping of VPNs where the data traffic flows originate.
- **Destination zone**—A grouping of VPNs where the data traffic flows terminate. A VPN can be part of only one zone
- **Zone-based firewall policy**—A data policy, similar to a localized data policy, that defines the conditions that the data traffic flow from the source zone must match to allow the flow to continue to the destination zone. Zone-based firewalls can match IP prefixes, IP ports, and protocols TCP, UDP, and ICMP. Matching flows can be accepted or dropped, and the packet headers can be logged. Nonmatching flows are dropped by default.
- **Zone pair**—A container that associates a source zone with a destination zone and that applies a zone-based firewall policy to the traffic that flows between zones.

Service Chaining
 Traffic Flow Monitoring with Cflow

NEW QUESTION 210

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

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

Answer: A

Explanation:

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

NEW QUESTION 213

Refer to the exhibit.

PEER TYPE	PEER PROTOCOL	PEER SYSTEM ID	SITE IP	DOMAIN ID	PEER PRIVATE IP	PEER PRIVATE PORT	PEER PUBLIC IP	PUBLIC PORT	CONTROLLER LOCAL	CONTROLLER COLOR	GROUP STATE
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

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

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

Answer: C

NEW QUESTION 215

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

Answer: CD

Explanation:

<https://www.cisco.com/c/dam/en/us/td/docs/solutions/CVD/SDWAN/sdwan-dia-deploy-2020aug.pdf>

NEW QUESTION 219

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

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

Answer: D

NEW QUESTION 224

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

A)

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

B)

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

C)

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

D)

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

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

Answer: B

Explanation:

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

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

NEW QUESTION 226

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

- A. DTLS

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

Answer: A

Explanation:

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

NEW QUESTION 230

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

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

Answer: B

Explanation:

Data policy influences the flow of data traffic traversing the network

NEW QUESTION 232

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

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

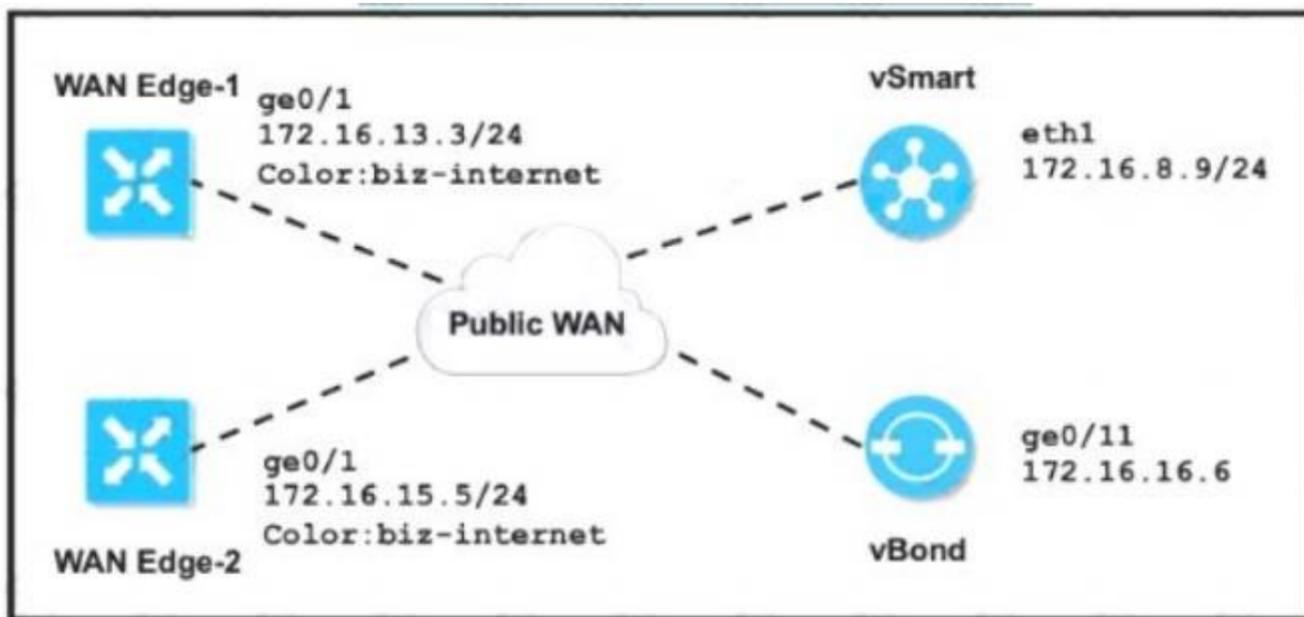
Answer: A

Explanation:

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

NEW QUESTION 233

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?

```

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

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

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

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

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

Answer: B

Explanation:

https://sdwan-docs.cisco.com/Product_Documentation/Software_Features/SD-WAN_Release_16.3/02System_a

NEW QUESTION 235

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

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

Answer: C

NEW QUESTION 236

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

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

Answer: C

NEW QUESTION 239

Refer to the exhibit.

```

vEdge-Cloud#
vEdge-Cloud#
vEdge-Cloud# vshell
vEdge-Cloud:~$ cd /var/log/
vEdge-Cloud:/var/log$
vEdge-Cloud:/var/log$ ls -l
total 28992
-rw-r--r-- 1 root root 1441700 Nov 22 15:13 auth.log
-rw-r--r-- 1 basic adm 0 Aug 7 15:29 cloud-init.log
drwxr-xr-x 2 root root 4096 Nov 22 14:49 confd
-rw-r--r-- 1 root root 1896486 Nov 22 14:57 kern.log
-rw-r--r-- 1 root root 292292 Aug 9 22:31 lastlog
-rw-r--r-- 1 root root 6197843 Nov 22 15:14 messages
-rw-r--r-- 1 root root 10512141 Aug 30 21:00 messages.1
drwxr-xr-x 2 root root 4096 Nov 22 14:48 pdb
drwxr-xr-x 2 quagga quagga 4096 Aug 7 15:29 quagga
-rw-r--r-- 1 root root 437 Nov 22 14:48 sw_script_active.log
-rw-r--r-- 1 root root 382 Nov 22 14:48 sw_script_previous.log
-rw-r--r-- 1 root root 2004 Nov 22 14:49 sw_script_synccdb.log
-rw----- 1 root root 64064 Nov 22 15:07 tallylog
drwxr-xr-x 2 root root 60 Nov 22 14:48 tmplog
-rw-r--r-- 1 root root 6841506 Nov 22 15:14 vconfd
-rw-r--r-- 1 root root 184602 Aug 7 15:29 vdebug
-rw-r--r-- 1 root root 2479511 Nov 22 15:14 vsyslog
-rwxr-xr-x 1 root utmp 49536 Nov 22 15:07 wtmp
vEdge-Cloud:/var/log$
vEdge-Cloud:/var/log$
    
```

Which configuration stops Netconf CLI logging on WAN Edge devices during migration?

- logs
 - audit-disable
 - netconf-disable
- logs
 - netconf-disable
- logging
 - disk netconf-disable
- logging
 - disk
 - audit-disable
 - netconf-disable

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

Answer: B

Explanation:

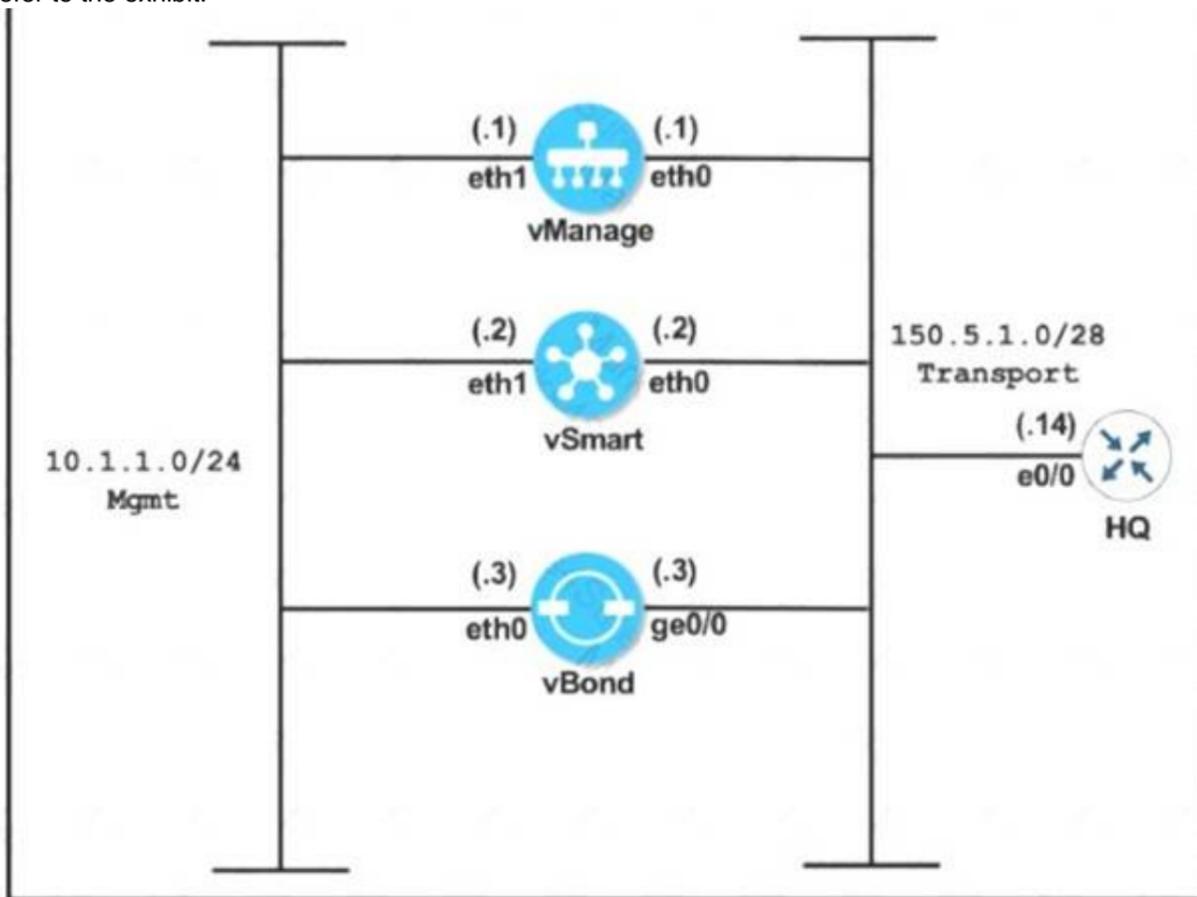
<https://www.cisco.com/c/en/us/td/docs/routers/sdwan/command/sdwan-cr-book/config-cmd.html#wp386725031>

Syslog messages related to AAA authentication and Netconf CLI access and usage are placed in the auth.log and messages files. Each time Cisco vManage logs in to a Cisco vEdge device to retrieve statistics and status information and to push files to the router, the router generates AAA and Netconf log messages. So, over time, these messages can fill the log files. To prevent these messages from filling the log files, you can disable the logging of AAA and Netconf syslog messages:

```
Device(config)# system aaa logsViptela(config-logs)# audit-disableViptela(config-logs)# netconf-disable
```

NEW QUESTION 243

Refer to the exhibit.



```

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

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

vBond
system
system-ip 10.10.10.103
host-name vBond
site-id 1
clock timezone Europe/London
vbond 150.5.1.3
organization-name Cisco.com
}
vpn 0
interface ge0/0
ip address 150.5.1.3/28
no shut
tunnel-interface
encapsulation ipsec
allow-service all
ip route 0.0.0.0/0 150.5.1.14
}
commit
    
```

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

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

Answer: A

Explanation:

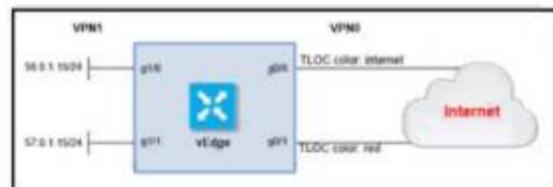
Configure the IP address of Cisco vBond Orchestrator. Cisco vBond Orchestrator's IP address must be a public IP address, to allow all Cisco vEdge devices in the overlay network to reach Cisco vBond Orchestrator:

```
vBond(config-system)#vbond ip-address local
```

In Releases 16.3 and later, the address can be an IPv4 or an IPv6 address. In earlier releases, it must be an IPv4 address. A vBond orchestrator is effectively a vEdge router that performs only the orchestrator functions. The local option designates the device to be Cisco vBond Orchestrator, not a vEdge router. Cisco vBond Orchestrator must run on a standalone virtual machine (VM) or hardware router; it cannot coexist in the same device as a software or hardware vEdge router.

NEW QUESTION 248

Refer to the exhibit.



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

A)

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

B)

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

C)

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

D)

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

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

Answer: C

Explanation:

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

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

NEW QUESTION 251

The network administrator is configuring a QoS scheduling policy on traffic received from transport side tunnels on WAN Edge 5000 routers at location 406141498. Which command must be configured on these devices?

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

Answer: A

NEW QUESTION 255

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

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

Answer: C

Explanation:

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

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

- Application visibility and granular control

NEW QUESTION 257

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

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

Answer: D

NEW QUESTION 259

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

```

policy
 policer p1
  rate
  burst
  exceed drop
!
access-list acl1
 sequence 1
 match
  source-ip 2.2.0.0/16
  destination-ip 10.1.1.0/24 100.1.1.0/24
  destination-port 20 30
  protocol 6 17 23
!
 action accept
  policer p1
!
 default-action drop
!
vpn 1
 interface ge0/4
  description Policy ID: B413:A88D:76G7::4
  ip address 10.20.24.15/24
  no shutdown
  access-list acl1 out
!

```

Which configuration completes this task?

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

Answer: D

NEW QUESTION 263

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

A)

```

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

```

B)

```

vpn vpn-id
 router
  ospf
    max-metric

```

C)

```

vpn vpn-id
 router
  ospf
    area number
    no-summary

```

D)

```

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

```

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

Answer: B

NEW QUESTION 265

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

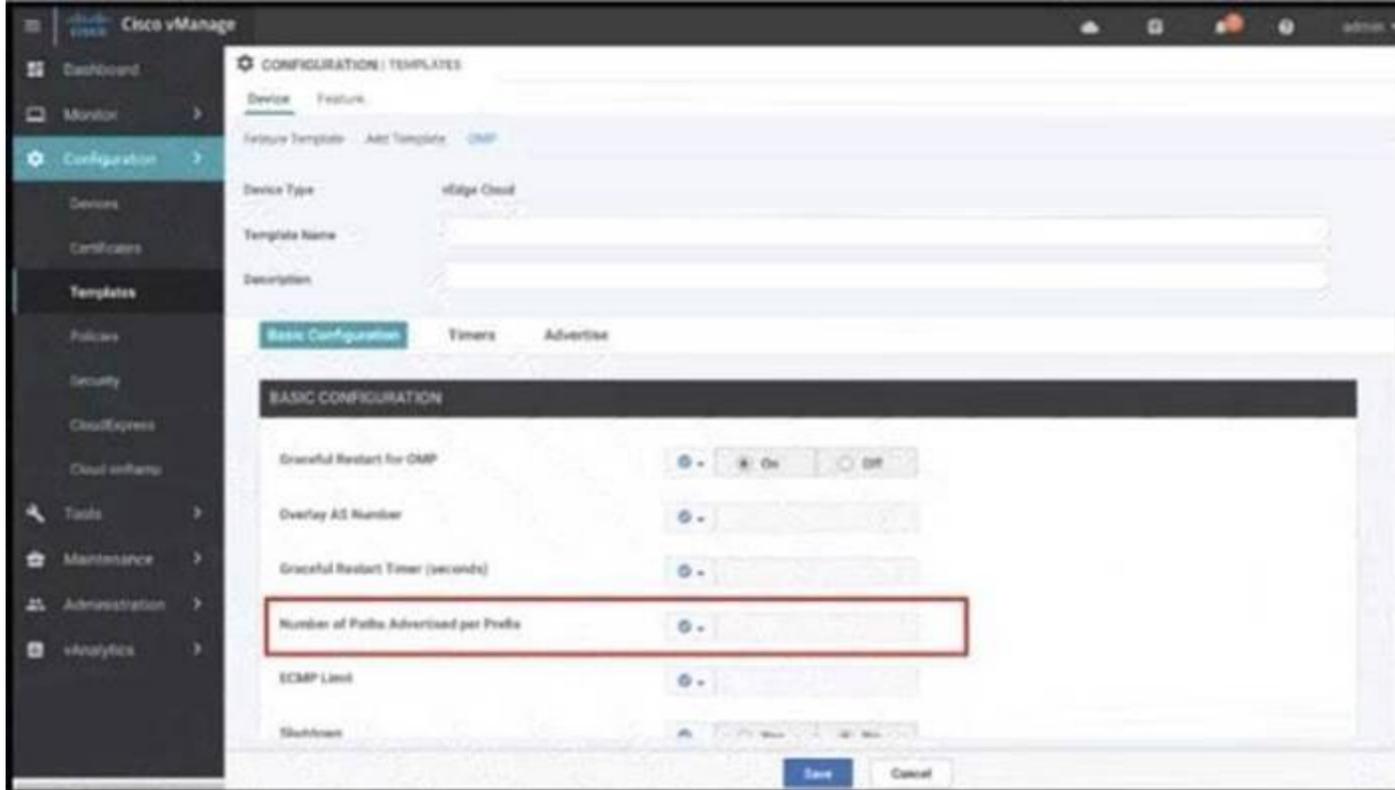
- A. control policy on vManage
- B. control policy on vSmart

- C. data policy on vSmart
- D. app route policy on vSmart

Answer: A

NEW QUESTION 268

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

Answer: D

NEW QUESTION 269

Refer to the exhibit.

vManage	vSmart
<pre> 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 </pre>	<pre> 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 </pre>
<pre> 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 </pre>	

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

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

- B. Change the timezone on the vSmart to Europe/London.
- C. Configure the (11.1.1.X/24) IP addresses on the elhO interfaces on vManage and vSmart.
- D. Reconfigure the system-ip parameter on vSmart to 11.1.1.2.

Answer: B

NEW QUESTION 270

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

- A.

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

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

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

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

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

Answer: A

NEW QUESTION 275

What is an attribute of TLOC'?

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

Answer: C

NEW QUESTION 276

Refer to exhibit.

PEER	PEER	PEER	SITE	DOMAIN	LOCAL	REMOTE	REPEAT	REMOTE			
INSTANCE	TYPE	PRIVATE	PEER	PUBLIC	PORT	PORT	PORT	PORT			
COLOR	STATE	PROTOCOL	SYSTEM	ID	PRIVATE	PUBLIC	PORT	PORT			
ERROR	ERROR	COUNT	DOWNTIME								
0	vbond	ssl	0.0.0.0	0	0	192.168.0.231	12346	192.168.0.231	12346	default	tes
<p>f_down: CTRFJSEB NOERR 3 2019-06-01T19:04:32+0200</p>											

An engineer is troubleshooting tear down of control connections even though a valid Certificate Serial Number is entered Which two actions resolve the Issue? (Choose two)

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

Answer: CD

Explanation:

<https://community.cisco.com/t5/networking-documents/sd-wan-routers-troubleshoot-control-connections/ta-p/38>

NEW QUESTION 279

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