VCE & PDF
Pass4itSure.com

300-415^{Q&As}

Implementing Cisco SD-WAN Solutions (ENSDWI)

Pass Cisco 300-415 Exam with 100% Guarantee

Free Download Real Questions & Answers **PDF** and **VCE** file from:

https://www.pass4itsure.com/300-415.html

100% Passing Guarantee
100% Money Back Assurance

Following Questions and Answers are all new published by Cisco
Official Exam Center

⚙ **Instant Download** After Purchase

⚙ **100% Money Back** Guarantee

⚙ **365 Days** Free Update

⚙ **800,000+** Satisfied Customers

QUESTION 1

Which table is used by the vSmart controller to maintain service routes of the WAN Edge routers in the hub and local branches?

A. RIB

B. FIB

C. OMP

D. TLOC

Correct Answer: C

On Cisco SD-WAN Controllers and edge routers, OMP advertises to its peers the routes and services that it has learned from its local site, along with their corresponding transport location mappings, which are called Transport Locations (TLOCs). These routes are called OMP routes, to distinguish them from standard IP routes. It is through OMP routes that the Cisco SD-WAN Controllers learn the network topology and the available services.

QUESTION 2

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

A. username admin password admin

B. username admin password cisco

C. username cisco password admin

D. username cisco password cisco

Correct Answer: A

The default username and password for a vSmart Controller when it is installed on a VMware ESXi hypervisor typically follow the same default credentials used in the Cisco SD-WAN environment. These default credentials are provided during the initial setup or installation of the vSmart Controller, and they are typically as follows: Default Username: admin Default Password: admin

QUESTION 3

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

A. VPN

B. control

C. app-route

D. data

Correct Answer: C

https://www.cisco.com/c/en/us/td/docs/routers/sdwan/configuration/policies/ios-xe- 17/policies-book-xe/application-aware-routing.html

QUESTION 4

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

Correct Answer: D

QUESTION 5

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

Correct Answer: A

QUESTION 6

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

A. Option A

B. Option B

C. Option C

D. Option D

Correct Answer: D

You can use the remark action to set the packet loss priority (PLP) to high.
https://www.cisco.com/c/en/us/td/docs/routers/sdwan/configuration/qos/vEdge-20-x/qos-book/forwarding-qos.html

QUESTION 7

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

Correct Answer: AE

Reference: https://www.cisco.com/c/en/us/solutions/collateral/enterprise-networks/sd-wan/white_paper-c11-741071.html

---

QUESTION 8

Refer to the exhibit.

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

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

Which action resolves the issue?

A. Update the system IP on vManage and then resend it to the controllers.

B. Rectify any issues with the underlay routing configuration.

C. Match the TLOC color on the controllers and all WAN Edge devices.

D. Math certificates for the DTLS connection and Root CA must be installed first on WAN Edge devices.

Correct Answer: B

DTLS Connection Failure (DCONFAIL)

This is one of the common issues of control connectivity that does not come up. Probable causes include a firewall or some other connectivity issues.

It could be that some or all packets are dropped/filtered somewhere. The example with larger ones is given intcpdump results here.

1.

The next hop (NH) router is not reachable.

2.

The default gateway is not installed in the Routing Information Base (RIB).

3.

The Datagram Transport Layer Security (DTLS) port is not open in the controllers.

QUESTION 9

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

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

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

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

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

A. Option A

B. Option B

C. Option C

D. Option D

Correct Answer: A

QUESTION 10

What is the default value for the Multiplier field of the BFD basic configuration in vManage?
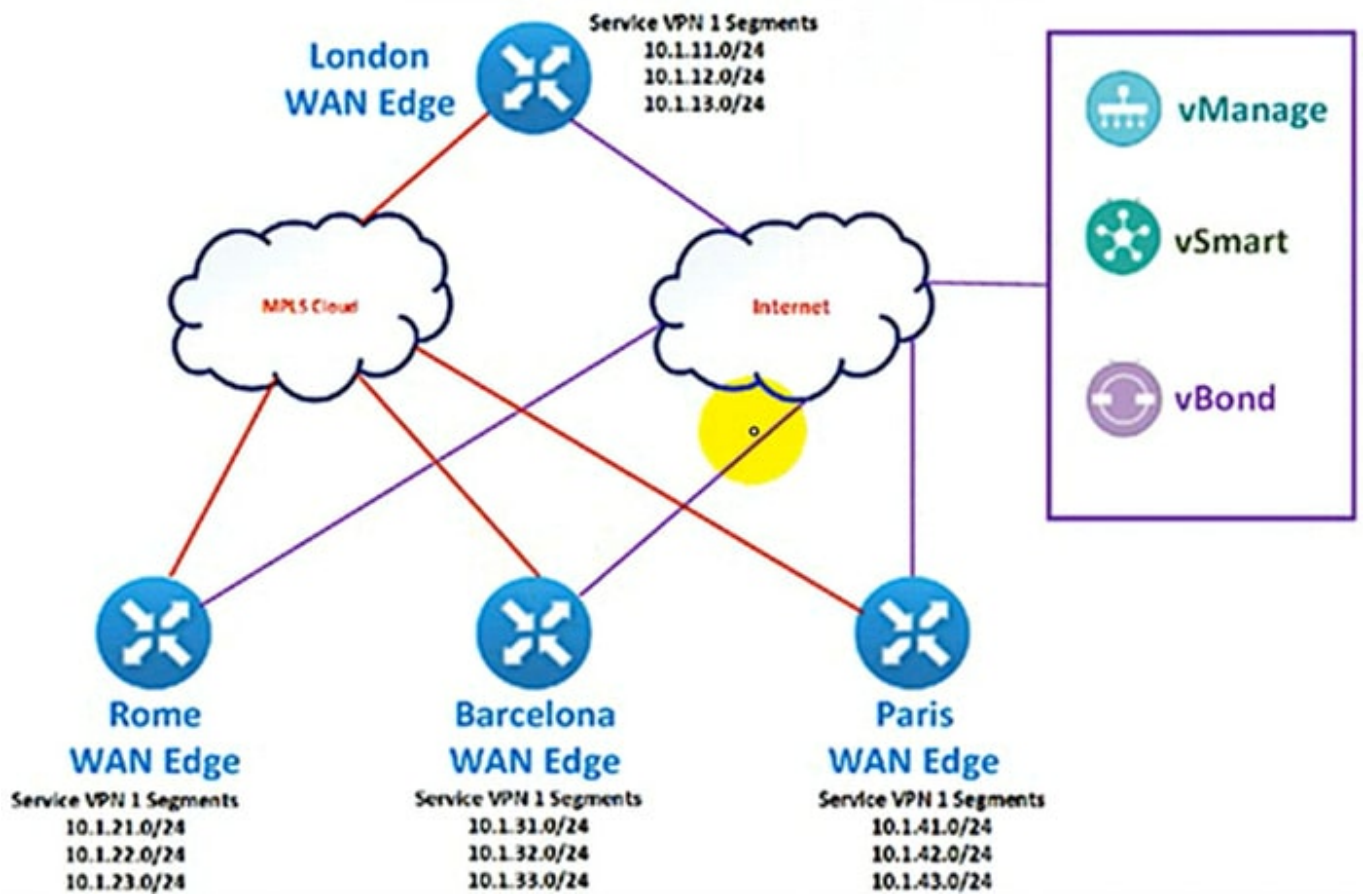
A. 3

B. 4

C. 5

D. 6

Correct Answer: D

QUESTION 11

Which type of route represents prefixes received from a local site via an SD-WAN Edge router in a Cisco SD-WAN architecture?

A. TLOC routes

B. vRoutes
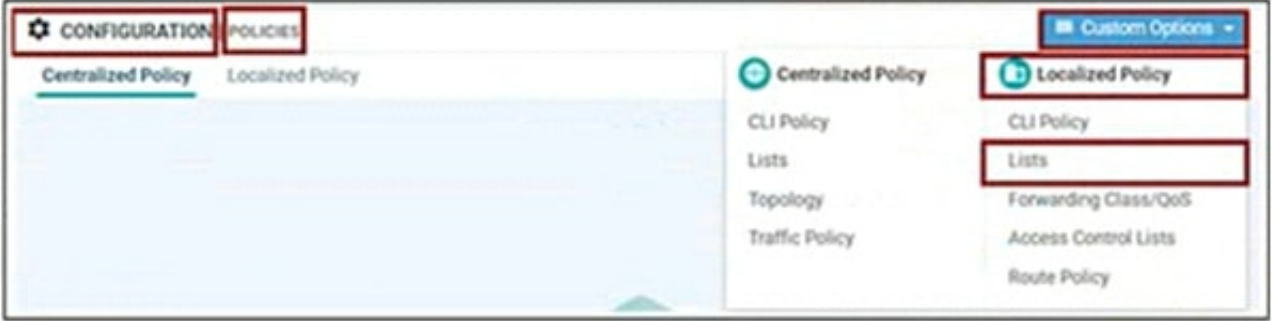
C. multicast routes

D. service routes
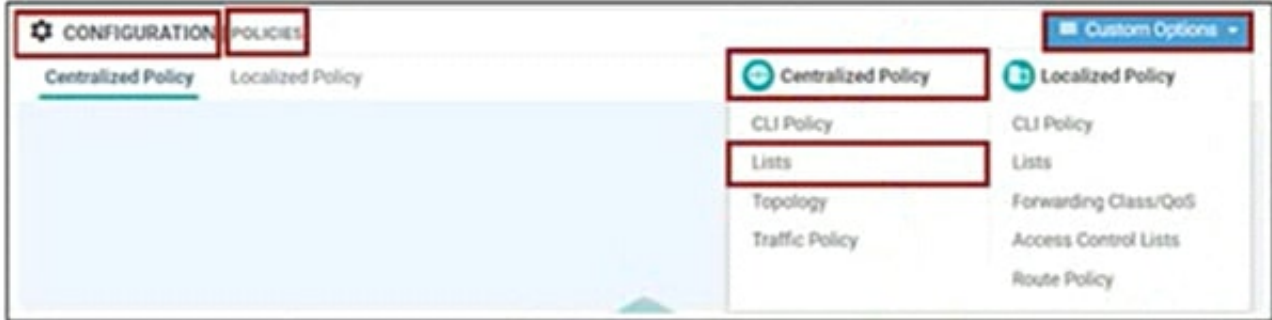
Correct Answer: D
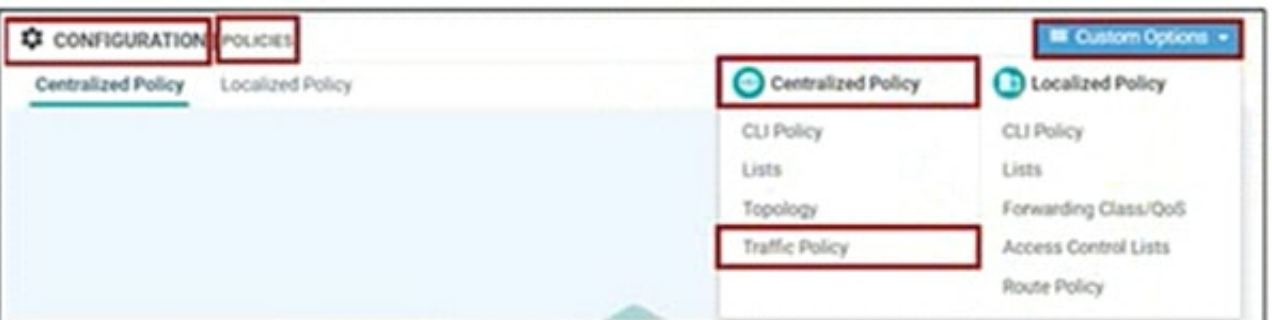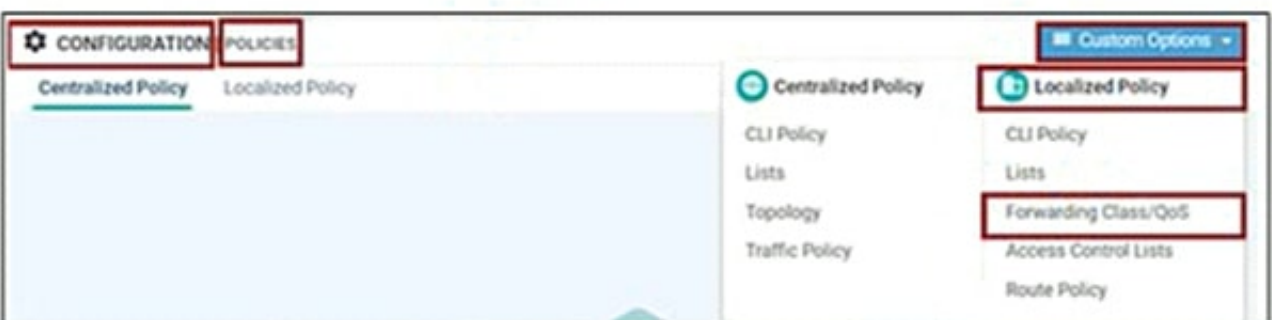
QUESTION 12

Refer to the exhibit.

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

A.

CONFIGURATION POLICIES		Custom Options ▾
Centralized Policy Localized Policy	⊙ Centralized Policy	⊡ Localized Policy
	CLI Policy	CLI Policy
	Lists	Lists
	Topology	Forwarding Class/QoS
	Traffic Policy	Access Control Lists
		Route Policy

B.

CONFIGURATION POLICIES		Custom Options ▾
Centralized Policy Localized Policy	⊙ Centralized Policy	⊡ Localized Policy
	CLI Policy	CLI Policy
	Lists	Lists
	Topology	Forwarding Class/QoS
	Traffic Policy	Access Control Lists
		Route Policy

C.

CONFIGURATION POLICIES		Custom Options ▾
Centralized Policy Localized Policy	⊙ Centralized Policy	⊡ Localized Policy
	CLI Policy	CLI Policy
	Lists	Lists
	Topology	Forwarding Class/QoS
	Traffic Policy	Access Control Lists
		Route Policy

D.

CONFIGURATION POLICIES		Custom Options ▾
Centralized Policy Localized Policy	⊙ Centralized Policy	⊡ Localized Policy
	CLI Policy	CLI Policy
	Lists	Lists
	Topology	Forwarding Class/QoS
	Traffic Policy	Access Control Lists
		Route Policy

A. Option A

B. Option B

C. Option C

D. Option D

Correct Answer: C

QUESTION 13

What is an attribute of TLOC?

A. tag

B. service

C. local preference

D. encryption

Correct Answer: A

Reference: https://sdwan-docs.cisco.com/Product_Documentation/Software_Features/SD-WAN_Release_17.1/06Policy
_Basics/01Policy_Overview/01Viptela_Policy_Framework_Basics#:~:text=configured%20policy%20affects).-,TLOC%
20Attributes%20Used%20in%20Policies,address%2C%20color%2C%20and%20encapsulation

QUESTION 14

What are the two advantages of configuration groups in a Cisco SD-WAN deployment? (Choose two.)

A. An individual device has multiple tag rules.

B. Individual devices are grouped based on a shared configuration.

C. Individual devices are added to multiple groups.

D. A subset of devices is identified with tags.

E. Individual devices are associated with a configuration group and a device template.

Correct Answer: BD

QUESTION 15

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

A. It encounters spanning tree issues

B. It faces interface buffer overflow patterns

C. It encounters redirection problems.

D. It encounters memory overload problems

Correct Answer: C

300-415 VCE Dumps   300-415 Exam Questions   300-415 Braindumps