



300-420^{Q&As}

Designing Cisco Enterprise Networks (ENSLD)

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QUESTION 1

Which QoS feature responds to network congestion by dropping lower priority packets?

- A. CBWFQ
- B. tail drop
- C. WRED
- D. strict priority

Correct Answer: C

QUESTION 2

An engineer must establish a direct connection between two remote offices. The new connection must be established using a logical path, share a common broadcast domain, connect over private WAN, and have as little overhead as possible. Which technology must the engineer choose?

- A. GRE
- B. L2VPN
- C. GET VPN
- D. IPsec

Correct Answer: B

QUESTION 3

DRAG DROP

Drag and drop the characteristics from the left onto the Yang model they describe on the right.

Select and Place:



- independent of the underlying operating system
- specific to the underlying operating system
- vendor neutral
- provided by the vendor for device management

Open Model

Native Model

Correct Answer:

Empty input fields for the correct answer.

Open Model

- independent of the underlying operating system
- vendor neutral

Native Model

- specific to the underlying operating system
- provided by the vendor for device management

QUESTION 4

Which common issue causes intermittent DMVPN tunnel flaps?

- A. a routing neighbor reachability issue
- B. a suboptimal routing table
- C. interface bandwidth congestion



D. that the GRE tunnel to hub router is not encrypted

Correct Answer: A

QUESTION 5

Which topology within a network underlay eliminates the need for first hop redundancy protocols while improving fault tolerance, increasing resiliency, and simplifying the network?

- A. virtualized topology
- B. routed access topology
- C. Layer 2 topology
- D. logical fabric topology

Correct Answer: B

QUESTION 6

DRAG DROP

Drag and drop the characteristics from the left onto the YANG models they describe on the right. Not all options are used.

Select and Place:



- independent of underlying platform
- platform dependent
- standards dependent
- supports LLDP only
- supports CDP and LLDP

Cisco Native

-
-

OpenConfig

-
-

Correct Answer:

-
-
- standards dependent
-
-

Cisco Native

- platform dependent
- supports CDP and LLDP

OpenConfig

- independent of underlying platform
- supports LLDP only

QUESTION 7



A customer reports that each time a networking component fails, OSPF recalculates the backup path, which causes a short outage. Which solution must the customer implement to improve this situation?

- A. Aggressive OSPF timers
- B. LFA FRR
- C. Incremental SPF
- D. BFD

Correct Answer: B

QUESTION 8

What is a feature of the SaaS subscription model?

- A. lower initial costs
- B. web connection not required
- C. autonomy and control over hardware
- D. access to industrial-strength storage and computing power

Correct Answer: A

QUESTION 9

Which nonproprietary mechanism can be used to automate rendezvous point distribution in a large PIM domain?

- A. Embedded RP
- B. BSR
- C. Auto-RP
- D. Static RP

Correct Answer: B

QUESTION 10

In a Cisco SD-Access fabric, which node facilitates connectivity between the fabric and networks external to the fabric?

- A. intermediate



- B. edge
- C. control plane
- D. border

Correct Answer: D

QUESTION 11

Which feature is required for graceful restart to recover from a processor failure?

- A. Cisco Express Forwarding
- B. Virtual Switch System
- C. Stateful Switchover
- D. Bidirectional Forwarding Detection

Correct Answer: C

https://archive.nanog.org/meetings/nanog42/presentations/Weissner_SSO.pdf

The Stateful Switchover (SSO) feature works with Nonstop Forwarding (NSF) in Cisco software to minimize the amount of time a network is unavailable to its users following a switchover. The primary objective of SSO is to improve the availability of networks constructed with Cisco routers.

QUESTION 12

An engineer is designing a multicast network for a company specializing in VoD content. Receivers are across the Internet, and for performance reasons, the multicast framework must be close to the receivers within each AS. For high availability, if the sources in one AS are no longer available, the receivers of that AS must be able to receive the VoD content from the sources in another AS. Which feature must the design include?

- A. SSM
- B. anycast RP
- C. bidirectional PIM
- D. MSDP

Correct Answer: B

<https://learningnetwork.cisco.com/s/question/0D53i00000KsrGrCAJ/rendezvous-point-high-availability-mechanisms>

QUESTION 13



DRAG DROP

Drag and drop the steps WAN Edge performs when on-boarded into the Cisco SD-WAN overlay from the left into the order they are completed on the right.

Select and Place:

Answer Area

WAN Edge authenticates to vBond.	Step 1
WAN Edge establishes an OMP session to vSmart.	Step 2
WAN Edge establishes a secure connection to vManage and vSmart.	Step 3
WAN Edge establishes IPsec connections to other TLOC locations.	Step 4

Correct Answer:

Answer Area

	WAN Edge authenticates to vBond.
	WAN Edge establishes a secure connection to vManage and vSmart.
	WAN Edge establishes an OMP session to vSmart.
	WAN Edge establishes IPsec connections to other TLOC locations.

QUESTION 14

In an SD-WAN architecture, which methods are used to bootstrap a vEdge router?

- A. DHCP options or manual configuration
- B. vManage or DNS records



- C. ZTP or manual configuration
- D. DNS records or DHCP options

Correct Answer: C

QUESTION 15

What are two advantages of the Cisco SD-WAN technology? (Choose two.)

- A. easier deployment
- B. improved application experience
- C. optimized cloud connectivity
- D. consistent connectivity
- E. proactive network management

Correct Answer: BC

Reference: <https://www.cisco.com/c/en/us/solutions/enterprise-networks/sd-wan/what-is-sd-wan.html#~:benefits>

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