



352-001^{Q&As}

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QUESTION 1

Drag and drop the description related to designing for network management on the left onto the NMS mechanism on the right. Not all options will be used.

Select and Place:

a service that accepts and stores messages in files or prints them according to a simple configuration file

packet capture

an application layer protocol that facilitates the exchange of management information between network devices

SNMP

a service that measures performance of business-critical IP applications and IP servers that utilise data, voice, and video

lawful intercept

a feature that provides for network traffic accounting, usage-based network billing and network monitoring

syslog

a feature that allows the capture of data packets flowing through, to, and from, a network device

a service that can be implemented in networks to support authorized electronic surveillance

Correct Answer:



a feature that allows the capture of data packets flowing through, to, and from, a network device

an application layer protocol that facilitates the exchange of management information between network devices

a service that measures performance of business-critical IP applications and IP servers that utilise data, voice, and video

a service that can be implemented in networks to support authorized electronic surveillance

a feature that provides for network traffic accounting, usage-based network billing and network monitoring

a service that accepts and stores messages in files or prints them according to a simple configuration file

QUESTION 2

Which two benefits does using virtual PortChannel technology provide? (Choose two).

- A. vPC eliminates spanning-tree blocked ports.
- B. vPC allows a dual-homed server to operate in active-standby mode.
- C. vPC significantly reduces latency.
- D. vPC uses all uplink bandwidth.
- E. vPC supports VLAN-based load balancing.

Correct Answer: AD

QUESTION 3

Company A has grown nationwide in the U.S., and each new remote branch has a Metro Ethernet circuit provisioned back to the data center at the headquarters on the West Coast. The operations team says that it cannot manage hundreds of circuits as the company continues to grow. You review the topology and notice that many of the branches are close to each other in geographical zones. How can you redesign this network to improve manageability and increase scalability?

- A. Add an aggregation layer router in each geographical zone.



- B. Add a redundant data center on the East Coast to serve some of the traffic there.
- C. Add a default route in each branch toward the data center on the West Coast.
- D. Use Optimized Edge Routing at the data center.
- E. Build an overlay MPLS network with Layer 3 VPN.

Correct Answer: A

QUESTION 4

Which mechanism does OSPF use to prevent loops in an MPLS Layer 3 VPNS environment?

- A. Sham link
- B. Down bit
- C. P-Bit
- D. Domain ID
- E. Routing bit

Correct Answer: B

QUESTION 5

Your customer asked you to redesign there is-IS network to reduce to a minimum the number of adjacencies because the network has several routers running L1/L2 mode on the sme Ethernet segment. Which action do you recommend?

- A. Define only one router on the segment to be DIS
- B. Make the interface priority on the backup DIS lower than the primary DIS
- C. Change half the routers to L1 routers and half to L2 routers
- D. Change all routers to a single-level area

Correct Answer: D

QUESTION 6

Which two items are required for data plane hardening of an infrastructure device? (Choose two)

- A. Disable unused services

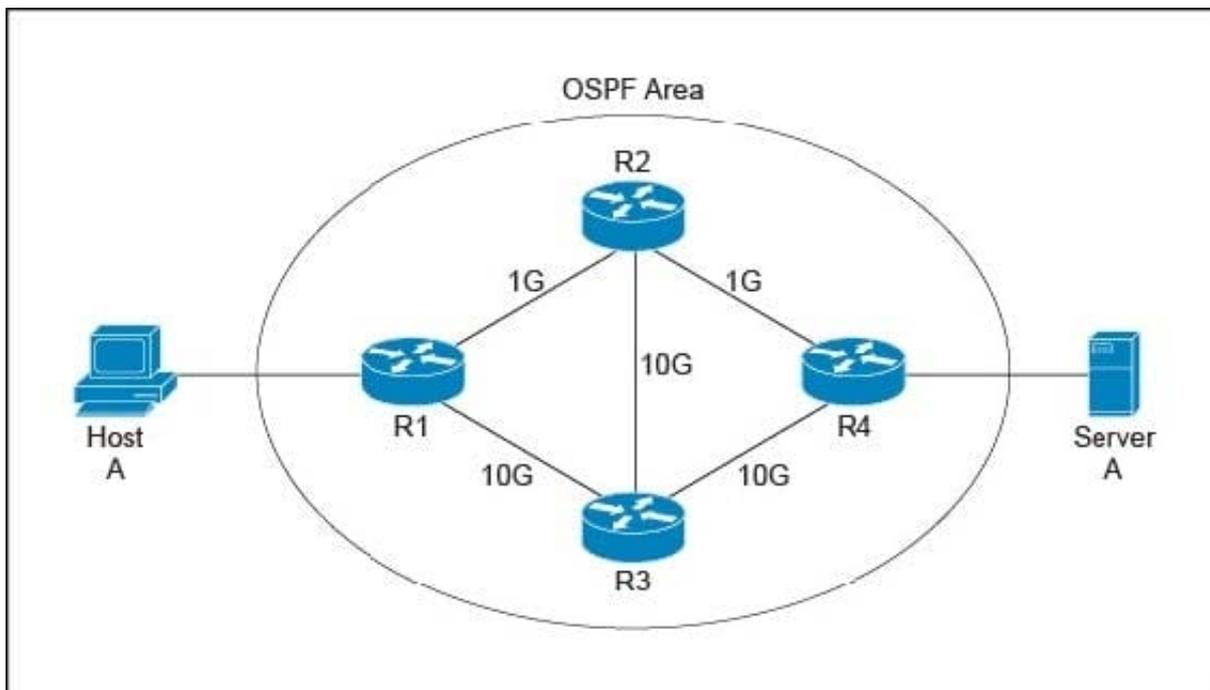


- B. Routing protocol authentication
- C. SNMPv3
- D. Redundant AAA servers
- E. Infrastructure ACLs
- F. Warning banners
- G. Control Plane Policing

Correct Answer: AE

QUESTION 7

Refer to the exhibit.



After this new OSPF design with per-packet load balancing was implemented, Host A reported that large file downloads from Server A became slow and sometimes failed. The operations team discovered that packets are arriving out of order on R1. Which cost-conscious redesign action will fix the issue?

- A. Upgrade all links to 10 Gbps.
- B. Add an IP SLA probe on R1 and R4.
- C. Adjust the OSPF auto-cost reference bandwidth on R4.
- D. Adjust the OSPF auto-cost reference bandwidth on all routers.

Correct Answer: D



QUESTION 8

Select and Place:

A company recently had an outage after an employee plugged a switch into the corporate network, causing a change in the root bridge selection. You have been tasked to redesign the network to avoid such outages in the future. Drag the Rapid PVST+ features (on the left) that will prevent reoccurrences of this incident and drop them into their definitions on the right.

Root Guard	A deterministic method to set the root bridge and the backup root bridge for each VLAN
BPDU Guard	Prevents switches from propagating old or corrupt VLAN information through the Layer 2 network
DTP	Puts the interface into an errdisable state if a connected device attempts to participate in STP
VTP Set to Transparent	A preventive method of protecting an interface from accepting a superior BPDU
PortFast	
Spanning-Tree Priority Changed from Default	

Correct Answer:

A company recently had an outage after an employee plugged a switch into the corporate network, causing a change in the root bridge selection. You have been tasked to redesign the network to avoid such outages in the future. Drag the Rapid PVST+ features (on the left) that will prevent reoccurrences of this incident and drop them into their definitions on the right.

	Spanning-Tree Priority Changed from Default
	VTP Set to Transparent
DTP	BPDU Guard
	Root Guard
PortFast	

QUESTION 9

In an MPLS-VPN environment, what is the effect of configuring an identical set of route targets for a particular VRF, but then configuring nonidentical route distinguisher across multiple PE devices?

A. The routes will be correctly handled by the control plane, but there will be instances where routes take up twice as much memory.



- B. The routes will propagate to the remote PE, but the PE will never install them in its forwarding table.
- C. The routes will be rejected by the remote PE because they have a different RD than its routes.
- D. The routes will not even be sent to any remote PE with a different RD.

Correct Answer: A

QUESTION 10

In an Ethernet link containing five routers with OSPF network interface type configured as broadcast, how many OSPF adjacencies are established on this Ethernet link?

- A. 7
- B. 5
- C. 10
- D. 20
- E. 6

Correct Answer: A

QUESTION 11

A network designer is working with a company to improve convergence at the Layer 2 control plane and decides to use LACP. Which of these components does LACP use to create the system ID?

- A. LACP system priority and switch MAC address
- B. LACP port priority and switch MAC address
- C. LACP port priority and port number
- D. LACP system priority and port number

Correct Answer: A

QUESTION 12

You are asked to design a traffic policy to restrict traffic that leaves a customer site. Which technology should you recommend to enforce a bandwidth limit, inbound and outbound, on the service provider side?

- A. traffic policing
- B. WRED



C. LLQ

D. traffic shaping

Correct Answer: A

QUESTION 13

You are implementing a one-to-many multicast solution for a large service provider network. Which technology offers optimal routing of multicast traffic?

A. Bidirectional PIM

B. Anycast Rp

C. MSDP

D. PIM SSM

E. PIM sparse mode

Correct Answer: D

QUESTION 14

What is a correct design consideration of IPv6 MLD snooping?

A. MLD snooping requires IGMP snooping to be implemented.

B. MLD snooping conserves CPU by sharing IPv4 and IPv6 multicast topology.

C. MLD snooping is used to filter all MLD queries.

D. MLD snooping conserves bandwidth on switches.

Correct Answer: D

QUESTION 15

What should be taken into consideration when designing IPsec networks using Authentication Header (AH)?

A. NAT

B. transform set

C. crypto maps

D. ISAKMP

Correct Answer: A



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