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QUESTION 1

In an OSPF network with routers connected together with Ethernet cabling, which topology typically takes the longest to converge?

- A. partial mesh
- B. full mesh
- C. ring
- D. squared
- E. triangulated

Correct Answer: C

Ring topology each router first needs to exchange LSAs with its 2 direct and other neighbors and this will continue until all neighbors sync up their LSDB

QUESTION 2

While reviewing an existing network design, you are discussing the characteristics of different STP versions. Which protocol minimizes unicast flooding during a Topology Change Notification in a Layer 2 switched network with many VLANs?

- A. PVRSTP
- B. MST
- C. STP
- D. PVSTP+

Correct Answer: A

QUESTION 3

An external edge router provides connectivity from a service provider to an enterprise. Which two Internet edge best practices meet compliance regulations? (Choose two)

- A. Implement filtering to control traffic that is sourced from the infrastructure IP space.
- B. Enable and use only secure protocols.
- C. Send logs to a centralized logging collection server.
- D. Implement EBGP to advertise all owned IP blocks.
- E. Use login banners and interface access lists to restrict administrative access to the system



Correct Answer: BE

QUESTION 4

SDWAN networks capitalize the usage of broadband Internet links over traditional MPLS links to offer more cost benefits to enterprise customers. However, due to the insecure nature of the public Internet, it is mandatory to use encryption of traffic between any two SDWAN edge devices installed behind NAT gateways.

Which overlay method can provide optimal transport over unreliable underlay networks that are behind NAT gateways?

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

Correct Answer: B

One of the primary challenges with IPsec is its compatibility with NAT (Network Address Translation). IPsec was designed before NAT became prevalent, and as a result, it can experience difficulties traversing NAT devices. Although there are extensions like NAT-T (NAT Traversal) that help IPsec to work better with NAT, the process can still be more complex and less reliable than DTLS, which was designed with NAT traversal in mind.

QUESTION 5

A security architect receives reports of these incidents:

1.

An attacker exploits printers and medical devices in the organization to gain control of the network.

2.

An attacker disrupts operations through attacks on networked business infrastructure. What is the next step to address these issues after discovery and classification of devices?

- A. Ensure trustworthiness of devices
- B. Assess continuous security health monitoring
- C. Apply a context-based network access control policy
- D. Enforce risk-based and adaptive access policies

Correct Answer: C

<https://www.ciscolive.com/c/dam/r/ciscolive/emea/docs/2020/pdf/ADD-1001-Zero-Trust-Security-Model.pdf> (Zero Trust for workplace)



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