



640-864^{Q&As}

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QUESTION 1

Select and Place:

Drag the network characteristic on the left to the design method on the right which will best ensure redundancy at the building distribution layer.

Support Layer 2 VLANs spanning multiple access layer switches across the distribution switches

Convergence (FHRP) is not an issue

FHRP for convergence, no VLANs span between access layer switches across the distribution switches

Layer 2 between distribution and access layers, with a Layer 3 link between the distribution switches

Layer 2 between distribution and access layers, with a Layer 2 link between the distribution switches

VSS

Correct Answer:

Drag the network characteristic on the left to the design method on the right which will best ensure redundancy at the building distribution layer.

Layer 2 between distribution and access layers, with a Layer 3 link between the distribution switches

VSS

Layer 2 between distribution and access layers, with a Layer 2 link between the distribution switches

Explanation/Reference:

The following are recommended best practices at the distribution layer:

Use First-Hop Redundancy Protocols. Hot Standby Router Protocol (HSRP) or Gateway Load Balancing Protocol (GLBP) should be used if you implement Layer 2 links between the Layer 2 access switches and the distribution layer.

Use Layer 3 routing protocols between the distribution and core switches to allow for fast convergence and load balancing.



Use the distribution switches to connect Layer 2 VLANs that span multiple access layer switches.

Use Virtual Switching System (VSS) to eliminate the use of STP and the need for HSRP.

QUESTION 2

What is the primary advantage of implementing a wireless LAN controller in a wireless LAN design?

- A. roaming between APs
- B. RADIUS user authentication
- C. radio resource management
- D. accelerated data transfer

Correct Answer: C

QUESTION 3

The evolution of the Data Center is best represented by the 3.0 architecture component of virtualization. Which of the following is not an example of the virtualization taking place in the Data Center?

- A. Virtualized media access utilizing Fiber Channel over Ethernet
- B. VLANs and virtual storage area networks (VSANs) provide for virtualized LAN and SAN connectivity, separating physical networks and equipment into virtual entities
- C. Virtual Machines that run an application within the client operating system, which is further virtualized and running on common hardware
- D. Storage devices virtualized into storage pools, and network devices are virtualized using device contexts

Correct Answer: A

QUESTION 4

Which two link state routing protocols support IPv6 routing? (Choose two.)

- A. BGP4+
- B. OSPF
- C. RIPng
- D. EIGRP
- E. IS-IS

Correct Answer: BE



QUESTION 5

At which layer of the network is route summarization recommended?

- A. data link layer
- B. core layer
- C. distribution layer
- D. access layer

Correct Answer: C

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