640-864^{Q&As}

Designing for Cisco Internetwork Solutions

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QUESTION 1

Which routing protocol classification should you use when full topology information is needed?

A. link-state

B. distance vector

C. stateful

D. path vector

Correct Answer: A

QUESTION 2

An organization is conducting an evaluation on the migration to IPv6 within the enterprise network and has requested clarification on recommended migration strategies. What three migration models would accomplish the organization\\'s goal? (Choose three.)

A. Dual Stack

B. Service Block

C. Top-Down

D. Hybrid

E. Tunneled

F. Fork-Lift

Correct Answer: ABD

QUESTION 3

What is the most compact representation of the following IPv6 address?

2001:db8:0000:0000:cafe:0000:0000:1234

A. 2001:db8::cafe::1234

B. 2001:db8::cafe:0000:0000:1234

C. 2001:db8:0:0:cafe::1234

D. 2001:db8::cafe:0:1234

Correct Answer: C

QUESTION 4

Which is part of the Prepare phase of PPDIOO?

A. Obtain site contact information

B. Perform network audit

C. Identify customer requirements

D. Perform gap analysis

Correct Answer: C

PPDIOO Phase	Description
Prepare	Establishes organization and business requirements, develops a network strategy, and proposes a high-level architecture
Plan	Identifies the network requirements by characterizing and assessing the network, performing a gap analysis
Design	Provides high availability, reliability, security, scalability, and performance
Implement	Installation and configuration of new equipment
Operate	Day-to-day network operations
Optimize	Proactive network management; modifications to the design

Prepare Phase The Prepare phase establishes organization and business requirements, develops a network strategy, and proposes a high-level conceptual architecture to support the strategy. Technologies that support the architecture are identified. This phase creates a business case to establish a financial justification for a network strategy.

QUESTION 5

Select and Place:

Drag the technology on the left to the type of enterprise virtualization where it is most likely to be found on the right.

| ASA firewall context |
| IPS |
| vPC |
| VLAN |
| VDC |
| VRF |

Network Virtualization

Device Virtualization

Correct Answer:

Drag the technology on the left to the type of enterprise virtualization where it is most likely to be found on the right.

Network Virtualization

| vPC |
| VLAN |
| VRF |

Device Virtualization

| ASA firewall context |
| IPS |
| VDC |

Explanation:

Network virtualization encompasses logical isolated network segments that share the same physical infrastructure. Each segment operates independently and is logically separate from the other segments.

Each network segment appears with its own privacy, security, independent set of policies, QoS levels, and independent

routing paths.

Here are some examples of network virtualization technologies:

VLAN: Virtual local-area network

VSAN: Virtual storage-area network

VRF. Virtual routing and forwarding

VPN: Virtual private network

vPC. Virtual Port Channel

Device virtualization allows for a single physical device to act like multiple copies of itself. Device virtualization enables many logical devices to run independently of each other on the same physical piece of hardware. The software creates

virtual hardware that can function just like the physical network device. Another form of device virtualization entails using multiple physical devices to act as one logical unit.

Here are some examples of device virtualization technologies:

Server virtualization: Virtual machines (VM)

Cisco Application Control Engine (ACE) context

Virtual Switching System (VSS)

Cisco Adaptive Security Appliance (ASA) firewall context

Virtual device contexts (VDC)

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