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QUESTION 1

Which three features in the VM-FEX software extend a Cisco Fabric Extender technology to the virtual machine? (Choose three.)

A. The software-based switch in the hypervisor is eliminated.

B. Each virtual machine includes a dedicated interface on the parent switch.

C. The hardware-based switch in the hypervisor is eliminated.

D. All virtual machine traffic is sent directly to the dedicated interface on the switch.

E. All virtual machine traffic is sent directly to all the interfaces on the switch.

F. Each virtual machine does not have a dedicated interface on the parent switch.

G. The software-based switch in the hypervisor is configured.

Correct Answer: ABD

QUESTION 2

Scenario

Answer four questions to demonstrate your understanding of IPv6 addressing.

Instructions

- To access the multiple-choice questions, click on the numbered boxes on the left of the top panel.
- There are **four** multiple-choice questions with this task.
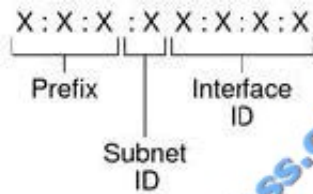- Be sure to answer all four questions before selecting the **Next** button.
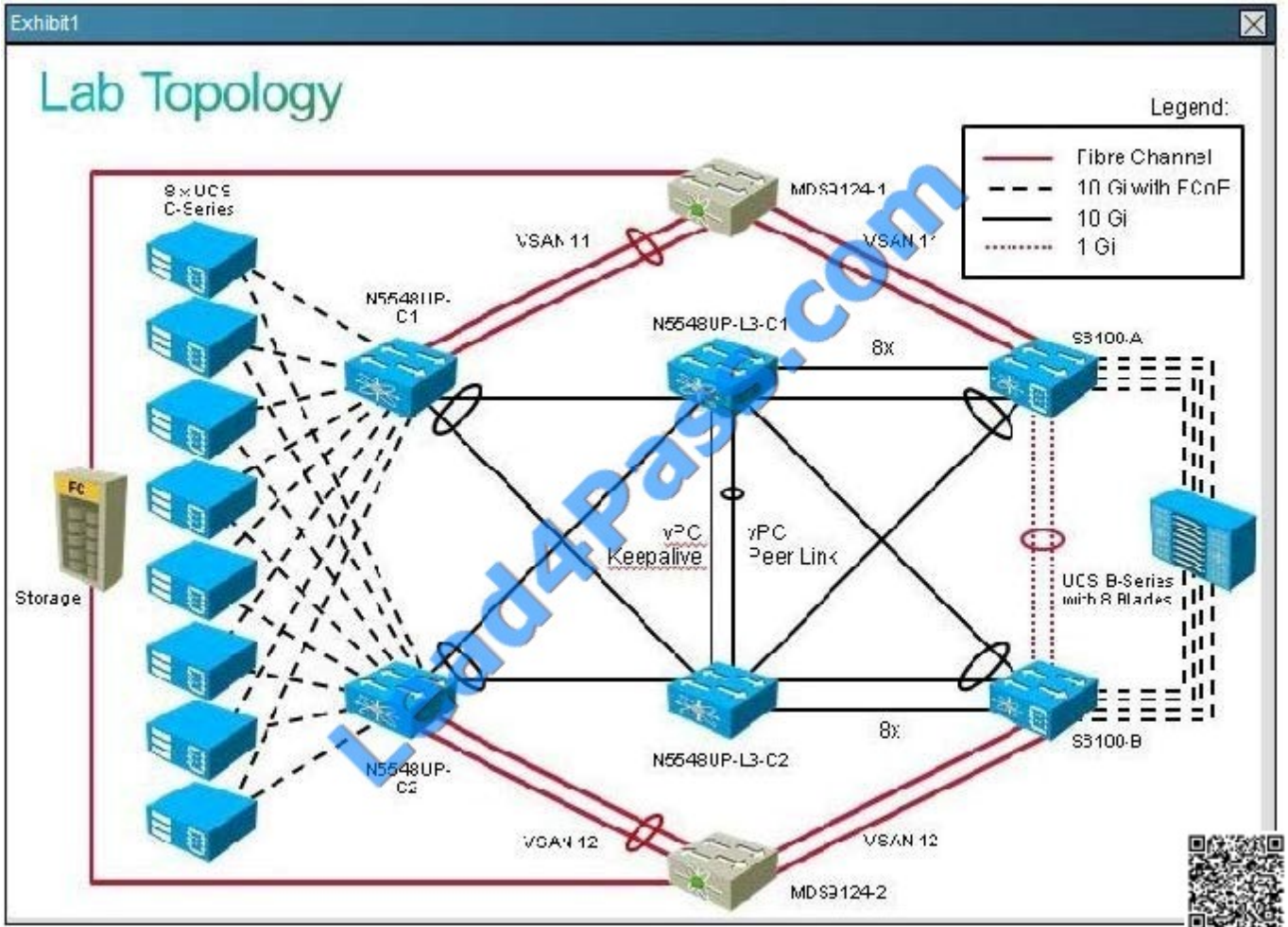
What prefix in the IPv6 address does the Interface ID begin?

A. /32

B. /48

C. /64

D. /96

Correct Answer: C

Basic IPv6 Address Format

X : X : X : X X : X : X : X

Prefix | Interface ID

Subnet ID

Example:

2001:0db8:3c4d:0015:0000:0000:1a2f:1a2b

Site Prefix | Subnet ID | Interface ID
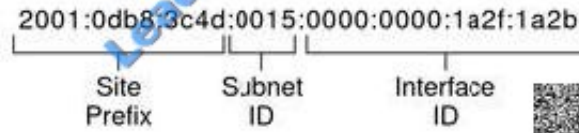
The leftmost three fields (48 bits) contain the site prefix. The prefix describes the public topology that is usually allocated to your site by an ISP or Regional Internet Registry (RIR). The next field is the 16-bit subnet ID, which you (or another

administrator) allocate for your site. The subnet ID describes the private topology, also known as the site topology, because it is internal to your site.

The rightmost four fields (64 bits) contain the interface ID, also referred to as a token. The interface ID is either automatically configured from the interface\\'s MAC address or manually configured in EUI-64 format.

Reference: http://docs.oracle.com/cd/E23823_01/html/816-4554/ipv6-overview-10.html

QUESTION 3

Which two terms relate to the capability of a physical NIC to present virtual NICs to the operating system or hypervisor? (Choose two.)

A. VM-FEX

B. NPIV

C. Adapter-FEX

D. NIV

E. host vPC

F. NIC teaming

Correct Answer: CD

QUESTION 4

Which data center monitoring tool can collect and display per port Layer 2 statistics?

A. Cisco DCNM

B. Cisco NAM

C. Cisco NetFlow

D. Cisco UCS Manager

Correct Answer: B

QUESTION 5

Which two options are reasons to use IP routing to segment a data center instead of Layer 2 routing? (Choose two.)

A. Spanning Tree Protocol

B. simplify design

C. broadcast flooding

D. ease of routing protocol configuration

E. cost

Correct Answer: AC

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