



300-165^{Q&As}

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QUESTION 1

Drag and drop the VXLAN protocol characteristic from the left onto the benefit it provides on the right.

Select and Place:

24-bit segment ID	optimal path use over the transport network
ECMP	Layer 2 segment elasticity over a Layer 3 boundary
MAC-in-UDP encapsulation	optimized flooding
multicast in the transport network	broadcast domain scalability

Correct Answer:

	ECMP
	MAC-in-UDP encapsulation
	multicast in the transport network
	24-bit segment ID

QUESTION 2

How is a dynamic vNIC allocated?

- A. Dynamic vNICs are assigned to VMs in vCenter.
- B. Dynamic vNICs can only be bound to the service profile through an updating template.
- C. Dynamic vNICs are bound directly to a service profile.
- D. Dynamic vNICs are assigned by binding a port profile to the service profile.



Correct Answer: C

The dynamic vNIC connection policy determines how the connectivity between VMs and dynamic vNICs is configured. This policy is required for Cisco UCS domains that include servers with VIC adapters on which you have installed VMs and configured dynamic vNICs. Each dynamic vNIC connection policy includes an Ethernet adapter policy and designates the number of vNICs that can be configured for any server associated with a service profile that includes the policy.

For VM-FEX that has all ports on a blade in standard mode, you need to use the VMware adapter policy.

For VM-FEX that has at least one port on a blade in high-performance mode, use the VMwarePassThrough adapter policy or create a custom policy. If you need to create a custom policy, the resources provisioned need to equal the resource requirements of the guest OS that needs the most resources and for which you will be using high-performance mode. http://www.cisco.com/c/en/us/td/docs/unified_computing/ucs/sw/vm_fex/vmware/gui/config_guide/b_GUI_VMware_VM-FEX_UCSM_Configuration_Guide/b_GUI_VMware_VM-FEX_UCSM_Configuration_Guide_chapter_010.html

QUESTION 3

Which three VDC resources can be constrained with a resource template? (Choose three.)

- A. CLs
- B. NAT entries
- C. IPv4 routes
- D. IPv6 routes
- E. SPAN sessions
- F. RBAC users

Correct Answer: CDE

VDC resource templates set the minimum and maximum limits for shared physical device resources when you create the VDC. The Cisco NX-OS software reserves the minimum limit for the resource to the VDC. Any resources allocated to the VDC beyond the minimum are based on the maximum limit and availability on the device.

You can explicitly specify a VDC resource template, or you can use the default VDC template provided by the Cisco NX-OS software. VDC templates set limits on the following resources: IPv4 multicast route memory IPv6 multicast route memory IPv4 unicast route memory IPv6 unicast route memory Port channels Switch Port Analyzer (SPAN) sessions VLANs Virtual routing and forwarding instances (VRFs)

http://www.cisco.com/c/en/us/td/docs/switches/datacenter/sw/nx-os/virtual_device_context/configuration/guide/b-7k-Cisco-Nexus-7000-Series-NX-OS-Virtual-Device-Context-Configuration-Guide/vdc-res-template.html

QUESTION 4

Which item represents the process that allows FCoE multihop using T11 standard FC-BB-5?

- A. distributed FCF
- B. FIP proxy



C. N Port proxy

D. FIP snooping

Correct Answer: D

FIP snooping is used in multi-hop FCoE environments. FIP snooping is a frame inspection method that can be used by FIP snooping capable DCB devices to monitor FIP frames and apply policies based on the information in those frames.

This allows for:

Enhanced FCoE security (Prevents FCoE MAC spoofing.)

Creates FC point-to-point links within the Ethernet LAN

Allows auto-configuration of ACLs based on name server information read in the FIP frames

<http://www.definethecloud.net/fcoe-initialization-protocol-fip-deep-dive/>

QUESTION 5

A Cisco Nexus 2000 Series Fabric Extender is connected to two Cisco Nexus 5000 Series switches via a vPC link. After both Cisco Nexus 5000 Series switches lose power, only one switch is able to power back up. At this time, the Cisco Nexus 2000 Series Fabric Extender is not active and the vPC ports are unavailable to the network. Which action will get the Cisco Nexus 2000 Series Fabric Extender active when only one Cisco Nexus 5000 Series switch is up and active?

A. Move the line from the failed Cisco Nexus 5000 Series switch to the switch that is powered on, so the port channel forms automatically on the switch that is powered on.

B. Power off and on the Cisco Nexus 2000 Series Fabric Extender so that it detected only one Cisco Nexus 5000 Series switch at power up.

C. Configure auto-recovery reload-delay on the Cisco Nexus 5000 Series switch that is powered on.

D. Shut down the peer link on the Cisco Nexus 5000 Series switch that is powered on.

Correct Answer: C

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