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QUESTION 31 Which three VDC resources can be constrained with a resource template? (Choose three.)

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

Answer: CDE

Explanation: 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 32 Which command sequence correctly enables Adapter FEX on Nexus 5000 Series Switches?

A. switch(config)# install feature-set virtualization
switch(config)# feature-set virtualization

B. switch(config)# install feature-set adapter-fex
switch(config)# feature-set adapter-fex

C. switch(config)# install feature-set adapter-fex
switch(config)# feature-set virtualization

D. switch(config)# install feature-set virtualization
switch(config)# feature-set adapter-fex

Answer: A

Explanation: install feature-set virtualization : installs the cisco virtual machine feature set on the switch. feature-set virtualization : enables the cisco virtual machine feature on the switch.

http://www.cisco.com/c/en/us/td/docs/switches/datacenter/nexus5000/sw/adapter-fex/513_n1_1/b_Configuring_Cisco_Nexus_5000_Series_Adapter-FEX_rel_5_1_3_N1/b_Configuring_Cisco_Nexus_5000_Series_Adapter-FEX_rel_5_1_3_N1_chapter_010.pdf

QUESTION 33 Which three Cisco UCS C-Series CNAs support Adapter FEX? (Choose three.)

A. Qlogic QLE8152 B. Broadcom BCM57712 C. Cisco UCS P81E D. Cisco UCS VIC 1220 E. Emulex OCE10102-FX-CF F. Intel X520

Answer: BCD

Explanation:

http://www.cisco.com/c/en/us/td/docs/unified_computing/ucs/c-series_integration/ucsm2-1/b_UCSM2-1_C-Integration/b_UCSM2-1_C-Integration_chapter_011.html#reference_D644111FC68046F0BEA49756A0834664

QUESTION 34 Which two Cisco Nexus platforms support Adapter FEX? (Choose two.)

A. Cisco Nexus 7000 Series Switches B. Cisco Nexus 5000 Series Switches C. Cisco Nexus 5500 Series Switches D. Cisco Nexus 4000 Series Switches E. Cisco Nexus 2000 Series Fabric Extenders

Answer: CE

Explanation: At the access layer, the Adapter-FEX requires a FEX-enabled adapter on a server that connects to a parent device that supports virtualization of interfaces. The Adapter-FEX is supported on the following platforms:

- The Cisco Unified Computing System (UCS) platform supports Adapter-FEX between UCS servers and the UCS Fabric Interconnect.
- The Adapter-FEX is supported on the Cisco Nexus 5500 Series platform and on the Cisco Nexus 2200 Fabric Extender that is connected to a Cisco Nexus 5500 Series parent device. This implementation works on a variety of FEX-capable adapters, including the Cisco UCS P81E virtual interface card (VIC) adapter for the UCS C-Series platform and third party adapters such as the Broadcom BCM57712 Convergence Network Interface Card, that implement the virtual network tag (VNTag) technology.

http://www.cisco.com/c/en/us/td/docs/switches/datacenter/nexus5000/sw/operations/adapter_fex/513_n1_1/ops_adapter_fex/ops_using_adapter_fex.html

QUESTION 35 Which three items must be configured in the port profile client in Cisco UCS Manager? (Choose three.)

A. port profile B. DVSC. data center D. folder E. vCenter IP address F. VM port group

Answer: BCD

Explanation: After associating an ESX host to a DVS, you can migrate existing VMs from the vSwitch to the DVS, and you can create VMs to use the DVS instead of the vSwitch. With the hardware-based VN-Link implementation, when a VM uses the DVS, all VM traffic passes through the DVS and ASIC-based switching is performed by the fabric interconnect. In Cisco UCS Manager, DVSCs are organized in the following hierarchy: vCenter Folder (optional) Datacenter Folder (required) DVS At the top of the hierarchy is the vCenter, which represents a VMware vCenter instance. Each vCenter contains one or more datacenters, and optionally vCenter folders with which you can organize the datacenters. Each datacenter contains one or more required datacenter folders. Datacenter folders contain the DVSCs.

http://www.cisco.com/c/en/us/td/docs/unified_computing/ucs/sw/gui/config/guide/1-3-1/b_UCSM_GUI_Configuration_Guide_1_3_1/UCSM_GUI_Configuration_Guide_1_3_1_chapter2_8.html

QUESTION 36 In the dynamic vNIC creation wizard, why are choices

for Protection important? A. They allow reserve vNICs to be allocated out of the spares pool. B. They enable hardware-based failover. C. They select the primary fabric association for dynamic vNICs. D. They allow dynamic vNICs to be reserved for fabric failover. Answer: C Explanation: Number of Dynamic vNICs - This is the number of vNICs that will be available for dynamic assignment to VMs. Remember that the VIC has a limit to the number of vNICs that it can support and this is based on the number of uplinks between the IOM and the FI. At least this is the case with the 2104 IOM and the M81KR VIC, which supports ((# IOM Links * 15) / 2). Also remember that your ESXi server will already have a number of vNICs used for other traffic such as Mgmt, vMotion, storage, etc, and that these count against the limit. Adapter Policy - This determines the vNIC adapter config (HW queue config, TCP offload, etc) and you must select VMWarePassThru to support VM-FEX in High Performance mode. Protection - This determines the initial placement of the vNICs, either all of them are placed on fabric A or Fabric B or they are alternated between the two fabrics if you just select the "Protected" option. Failover is always enabled on these vNICs and there is no way to disable the protection.

<http://infrastructureadventures.com/2011/10/09/deploying-cisco-ucs-vm-fex-for-vsphere-%E2%80%93-part-2-ucsm-config-and-vmware-integration/> QUESTION 37 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. Answer: C Explanation: 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 38 Refer to the

command below. When configuring an SVS connection on the Cisco Nexus 5000 Series Switch, which device is being referenced as the remote IP address? nexus5500-2(config-svs-conn)# remote ip address 10.10.1.15 port 80 vrf management A. ESX or ESXi host B. vCenter C. vPC peer switch D. Cisco IMC management Answer: B Explanation: This command specifies the hostname or IP address for the vCenter Server. Optionally, specifies the port number and VRF.

http://www.cisco.com/c/en/us/td/docs/switches/datacenter/nexus5500/sw/layer2/6x/b_5500_Layer2_Config_6x/b_5500_Layer2_Config_602N12_chapter_010000.html QUESTION 39 When connecting Cisco Nexus 5000 Series

Switches to the VMware vCenter Server, which item must be configured before installing the extension keys? A. configure vPCB. configure DirectPath I/O support in vCenter C. configure PTS on the VSMD. configure dynamic vNICs Answer: A QUESTION

40 Which feature enables NIV? A. EHVB. vPCC. Cisco FabricPath D. Cisco OTVE. VN-Tag Answer: A Explanation:

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