200-155 Dumps

DCICT Introducing Cisco Data Center Technologies
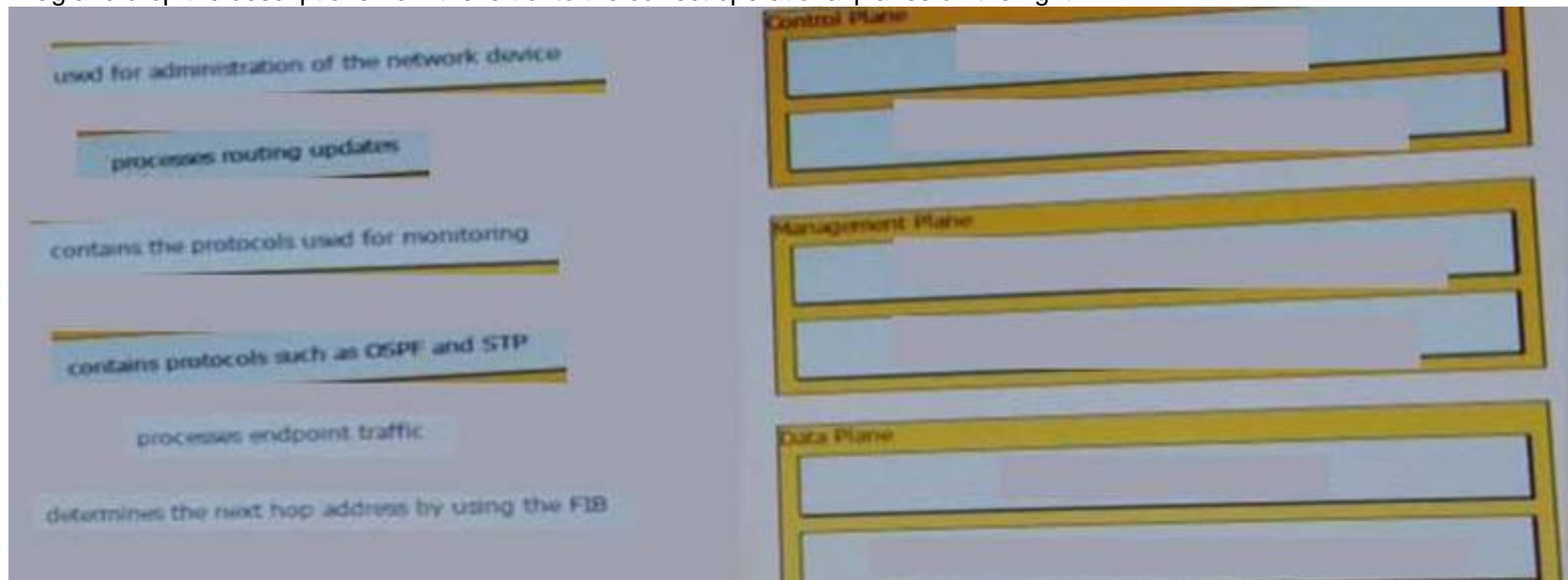
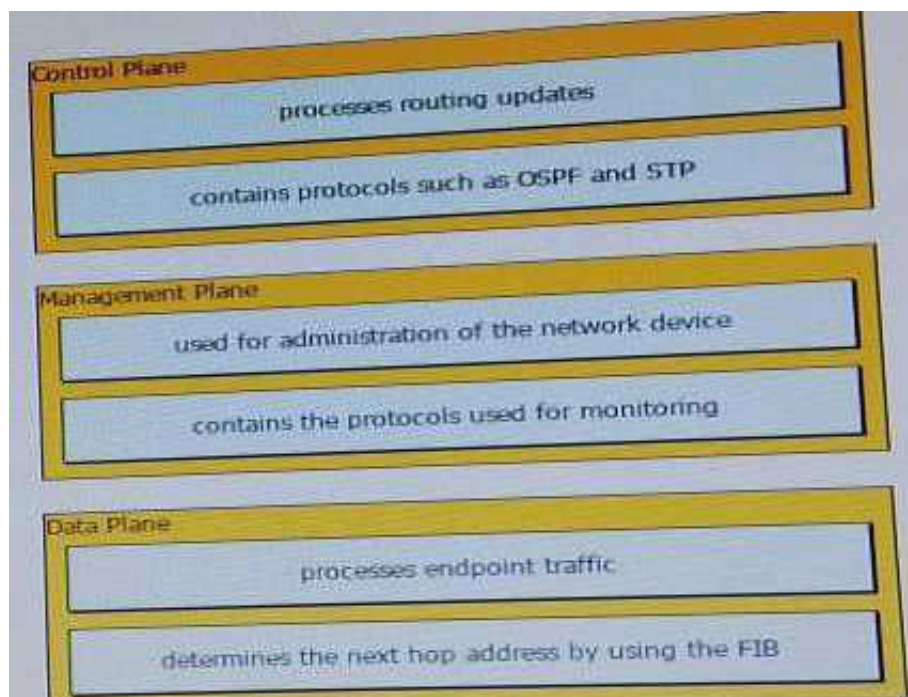# https://www.certleader.com/200-155-dumps.html

NEW QUESTION 1
DRAG DROP
Drag and drop the descriptions from the left onto the correct operational planes on the right.
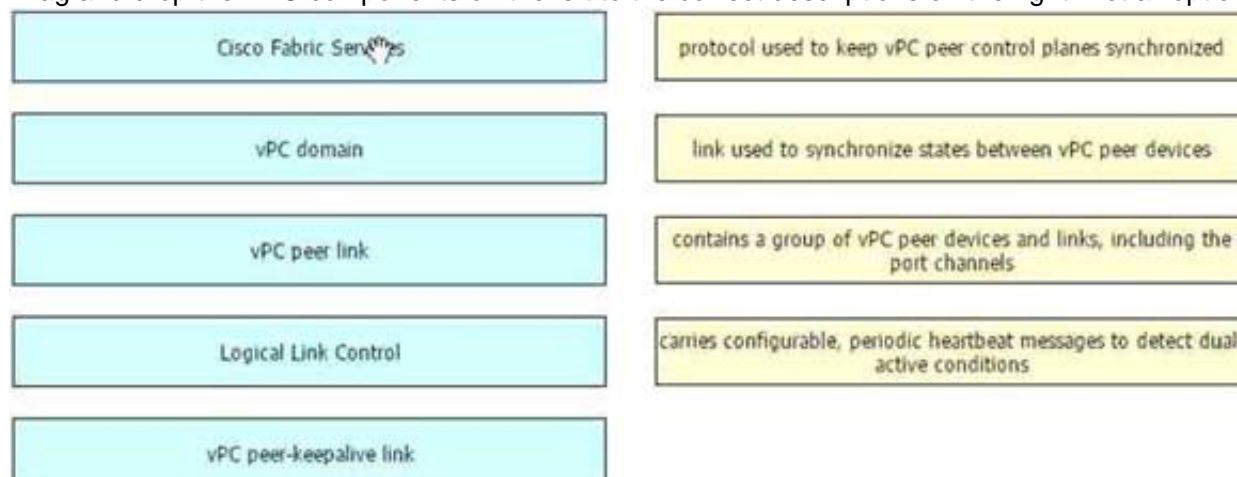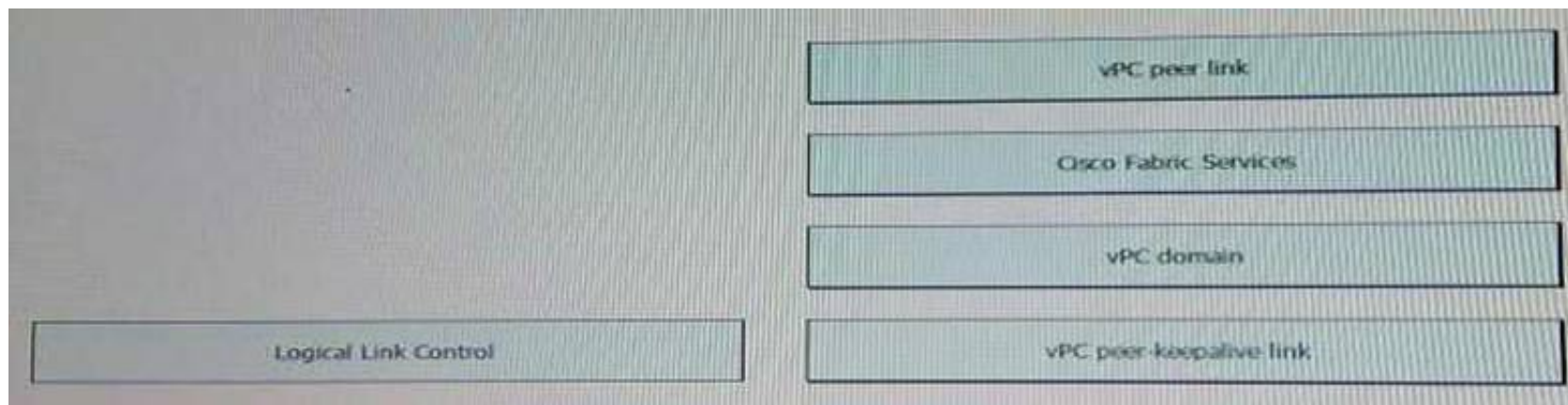

Answer:

Explanation:

NEW QUESTION 2
DRAG DROP
Drag and drop the VPC components on the left to the correct descriptions on the right. Not all options are used.

Answer:

Explanation:

vPC peer link
Cisco Fabric Services
vPC domain
vPC peer-keepalive link

Logical Link Control

NEW QUESTION 3
Which description of switch discovery on a Cisco APIC is true?

A. Only leaf switches 3re discovered automatically.
B. The APIC assigns an IP address to the switch from a pool
C. A switch can be registered to multiple APIC clusters
D. switch registers with the APIC automatically

Answer: B

NEW QUESTION 4
Which action is executed by Cisco ACI during the initial fabric setup?
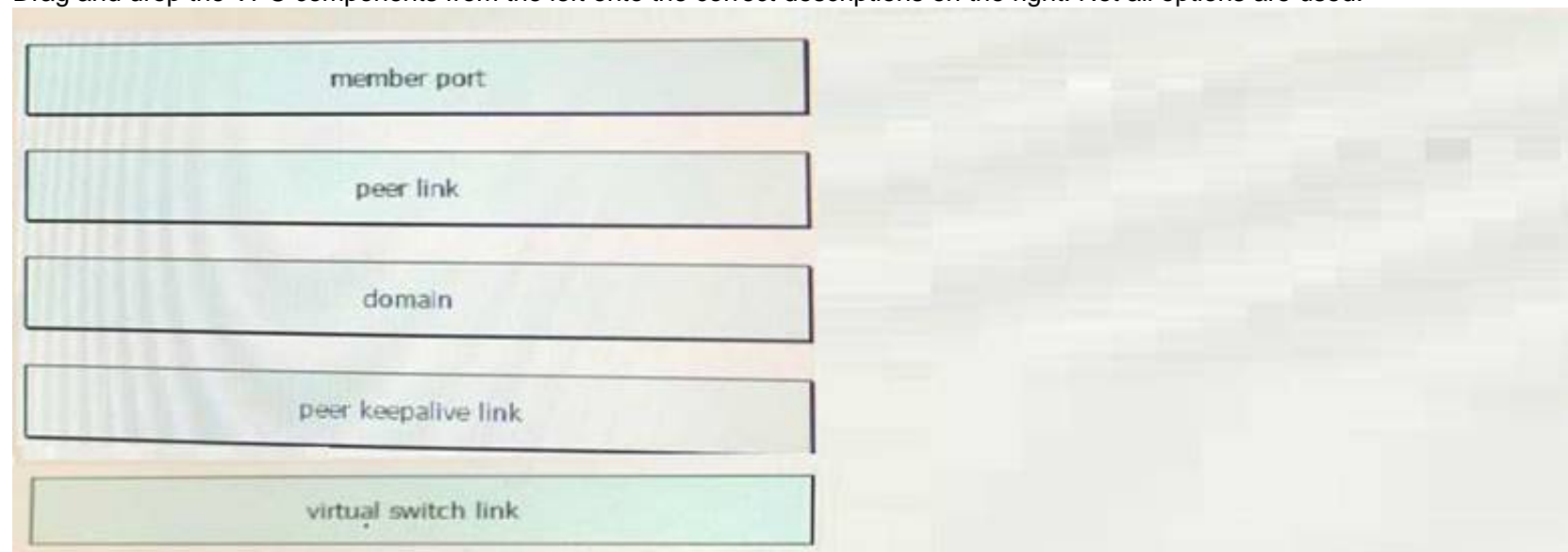
A. configures fabric ports by using POAP
B. creates STP topology for the fabric
C. performs fabric discovery with LLDP
D. performs fabric discovery with CDP

Answer: C

NEW QUESTION 5
DRAG DROP
Drag and drop the VPC components from the left onto the correct descriptions on the right. Not all options are used.

member port
peer link
domain
peer keepalive link
virtual switch link

Answer:

Explanation:

virtual switch link		member port
		peer link
		domain
		peer keepalive link

NEW QUESTION 6
In Cisco NX-OS, which description of the management VRF is true?

A. The management VRF is similar to the global routing table in Cisco
B. The mgmt0 interface can be used in any VRF

C. The mgmt0 interface is shared among multiple VDCs.
D. All layer 3 interfaces exist in the management VRF until they are reassigned

Answer: C

NEW QUESTION 7
Which two descriptions of a Cisco service profile are true? (Choose two)

A. may contain server operating system
B. may contain firmware version information
C. may be used to define the storage and networking characteristics of multiple servers
D. may contain IIUID MAC address for each virtual NIC, and WWN specifications for each HBA
E. may contain VMware vSphere virtual machine definition

Answer: CD

NEW QUESTION 8
When configuring Fibre Channel ports and Ethernet ports on the same Cisco Nexus 5500 Platform, which rule must be followed?

A. Fiber Channel ports must be configured in blocks of eight ports on the same ASIC.
B. Fiber Channel ports must be configured with the range that starts with the first port on the module.
C. Ethernet ports must be configured with the range that starts with the last port on the module.
D. Fiber Channel ports must be configured with the range that starts with the last port on the module.

Answer: D

NEW QUESTION 9
Which statement accurately describes NVGRE?

A. can be deployed in a unicast-only environment
B. uses a virtual sublet ID to identify Layer 2 segment
C. uses a join interface to discover edge devices
D. uses a VTEP to originate and terminate tunnels
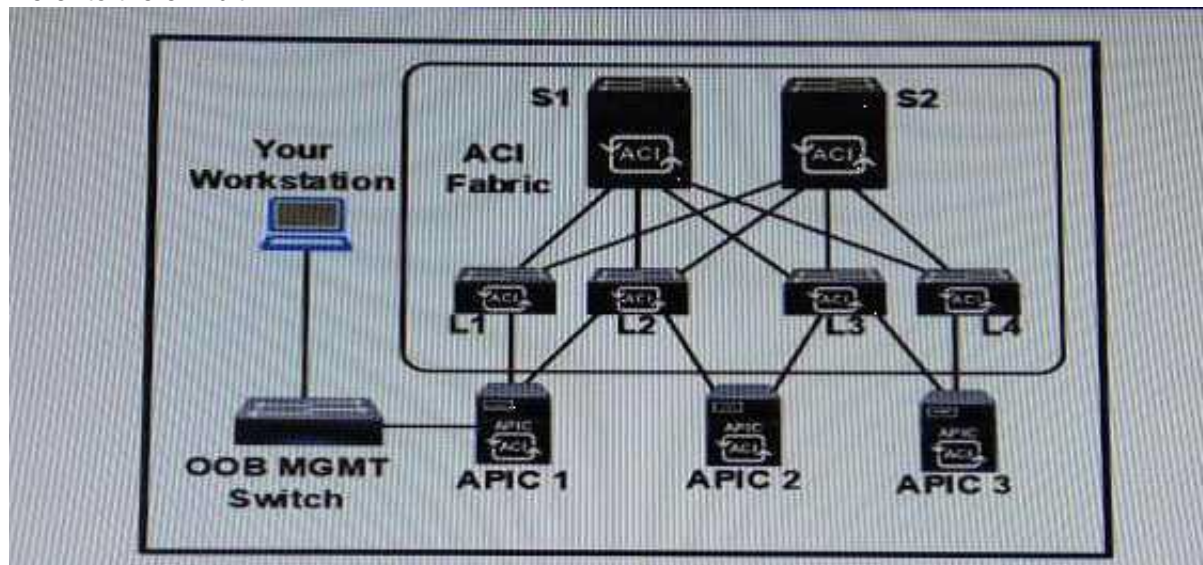
Answer: B

NEW QUESTION 10
When comparing Cisco Nexus 2000 Series Fabric Extenders to tradition top-of rack switches, which two statements are true? (Choose two)

A. Fabric Extenders lower oversubscription in the data center
B. Fabric Extenders offload the switching of traffic from the parent
C. Physical interfaces are represented by the parent switch as logical interfaces
D. Fabric Extenders operate as a remote line card to the upstream switch.

Answer: CD

NEW QUESTION 10
Refer to the exhibit

Refer to the exhibit, which device is discovered after L1 registers to APIC 1?

A. OOB MGMT switch
B. L2
C. S1
D. APIC 2

Answer: C

NEW QUESTION 14

Which two benefits of a vPC are true? (Choose two)

A. It simplifies Layer 3 routing configuration.
B. it eliminates STP blocked .ports.
C. It uses MSTP to eliminate Layer 2 loops.
D. It uses IS-IS in the control plane.
E. It allows active-active links.

Answer: BE

NEW QUESTION 19
Which two privilege types can you associate to the role of a Cisco ACI fabric user? (Choose two)

A. admin
B. read
C. enable
D. full accesss
E. write

Answer: BE

NEW QUESTION 22
Which descriptions of the management VRF is true?

A. It supports static routing only
B. It is created by a user.
C. It requires a LAN Enterprise Service Package license
D. It is equivalent to a global routing table in Cisco IOS

Answer: A

NEW QUESTION 23
Which profile is defined by multiple tiers of applications and the policies that determine the communication between those applications?

A. application consistency profile
B. application tiering profile
C. application network profile
D. application performance profile

Answer: C

NEW QUESTION 28
Which statement accurately describes Cisco ACI endpoint policy control?

A. consists of these two independent elements Cisco AHIC repository and Cisco ACI management consists
B. of these two logically coupled elements policy repository and endpoint registry
C. consists of these two logically coupled elements Cisco APIC repository and Cisco AC I management
D. consists of these two independent elements policy repository and endpoint registry

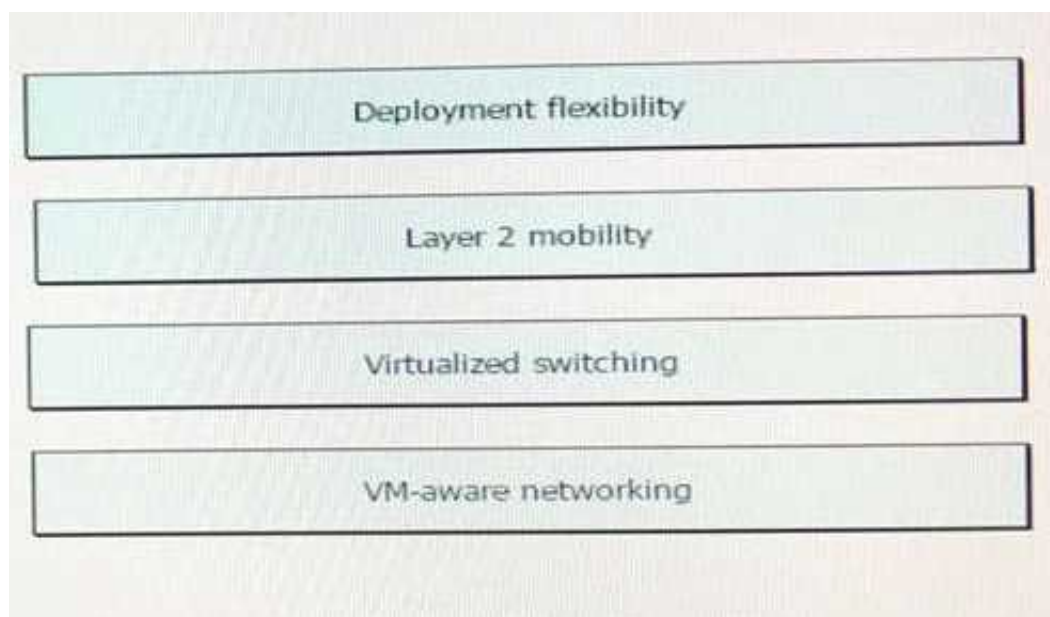**Answer:** B

NEW QUESTION 31
DRAG DROP
Drag the Cisco Unified Fabric feature characteristics from the left to the correct technology on the right.

Virtualized switching	Unified ports
Deployment flexibility	OTV
Layer 2 mobility	VDC
VM-aware networking	Cisco Nexus 1000V Series

Answer:

Explanation:

Deployment flexibility
Layer 2 mobility
Virtualized switching
VM-aware networking

NEW QUESTION 32
Which two items can you use to provide northbound connectivity from a fabric interconnect? (Choose two)

A. uplink
B. port channel
C. FEX
D. IOM
E. server port

Answer: AB

NEW QUESTION 36
Which two Cisco Nexus 1000V Series Switch features exceed the functionality of the VWware vNetwork Distributed Switch? (Choose two)

A. access control lists
B. QoS marking
C. Network vMotion
D. port state migration
E. DV Port Groups

Answer: AB

NEW QUESTION 38
Which privilege is assigned by default to the UCS Manager Storage Administrator user role?

A. service-storage-security-config
B. service-admin-config
C. service-admin
D. service-profile-storage

Answer: D

NEW QUESTION 39
The ARC is responsible for which two processes? (Choose two)

A. network policy configuration
B. fabric segmentation
C. BGP end-node emulation
D. ISL blocking per STP implementation
E. switch firmware management

Answer: AD

NEW QUESTION 43
Which device connects Cisco UCS B-Series servers to Cisco Fabric Switches?

A. Fabric Extender
B. a host bus adapter
C. Fabric interconnects
D. a fabric switch

Answer: B

NEW QUESTION 46
Which term in Cisco Unified Computing System is subject to finite state machine validation?

A. SNMP get

B. server boot
C. firmware downloads
D. server discovery

Answer: D

NEW QUESTION 50
Which management platform reduces server provisioning tome by automatically performing an inventory and deep discovery when new devices are attached?

A. UCS Manager
B. UCS Server
C. CDP Manager
D. Enterprise Manager

Answer: A

NEW QUESTION 55
Which two are benefits of Cisco Unified Fabric? (Choose two)

A. SNMPv3 strong authentication
B. reduced cabling
C. zone port distribution
D. consolidation of LAN and SAN over a common transport
E. native AES-256 encryption of data in flight

Answer: BD

NEW QUESTION 58
A network engineer is migrating the server farm from 1 Gb/s Ethernet connectivity la 10 Gb/s Ethernet connectivity What two Cisco Nexus Fabric Extenders support 10 Gb/s server connectivity? (Choose two.)

A. Nexus 2148T
B. Nexus 2232PP
C. Nexus 2248TP
D. Nexus 2248PQ
E. Nexus 2224TP

Answer: AE

Explanation: http://www.cisco.com/c/en/us/products/collateral/switches/nexus-2000-series-fabric-extenders/data_sheet_c78-507093.html

NEW QUESTION 61
Which statement about EPGs is true?

A. EPGs can both provide and consume a contract.
B. EPGs can provide, but cannot consume, a contract
C. EPGs cm consume, but cannot provide, a contract
D. EPGs neither provide or consume contracts

Answer: B

Explanation: Contracts define inbound and outbound permit, deny, and QoS rules and policies such as redirect. Contracts allow both simple and complex definition of the way that an EPG communicates with other EPGs, depending on the requirements of the environment. Although contracts are enforced between EPGs, they are connected to EPGs using provider-consumer relationships. Essentially, one EPG provides a contract, and other EPGs consume that contract.
Reference: http://www.cisco.com/en/US/prod/collateral/netmgtsw/ps13004/ps13460/white-paper-c11-729906_ns1261_Networking_Solutions_White_Paper.html

NEW QUESTION 64
Which two options are control plan protocols? (Choose two)

A. BGP
B. ARP
C. NAT
D. SMTP
E. CoPP

Answer: AB

Explanation: The control plane: The control plane is the brain of the router. It consists of dynamic IP routing protocols (that is OSPF, IS-IS, BGP, and so on), the RIB, routing updates, in addition to other protocols such as PIM, IGMP, ICMP, ARP, BFD, LACP, and so on. In short, the control plane is responsible for maintaining sessions and exchanging protocol information with other router or network devices.
Reference: http://www.ciscopress.com/articles/article.asp?p=2272154&seqNum=3

NEW QUESTION 66
Which two components are part of the Cisco Unified Computing System 2104 I/O Module? (Choose two)

A. multiplexer
B. chassis management console
C. finite state machine
D. data management engine
E. chassis management controller

Answer: AE

NEW QUESTION 70
Where does the data plane operate on a Cisco Nexus 7000 Series Switch? 0 O O O

A. supervisor module
B. unified crossbar fabric
C. unified port controller
D. Connectivity Management Processor

Answer: B

NEW QUESTION 73
Which option describes Cisco's virtual device context feature?

A. logical virtualization of a single physical switch
B. logical witches aggregated into a single physical switch
C. logical switches aggregated into multiple physical switches
D. multiple physical switches partitioned to a single virtual switch

Answer: A

Explanation: Cisco NX-OS introduces support for virtual device contexts (VDCs), which allows the switches to be virtualized at the device level. Each configured VDC presents itself as a unique device to connected users within the framework of that physical switch. The VDC runs as a separate logical entity within the switch, maintaining its own unique set of running software processes, having its own configuration, and being managed by a separate administrator.
Reference: http://www.cisco.com/c/en/us/products/collateral/switches/nexus-7000-10-slot-switch/White_Paper_Tech_Overview_Virtual_Device_Contexts.html

NEW QUESTION 77
FCoE interfaces are defined as which two port types? (Choose two)

A. VZ Port
B. VE Port
C. VF Port
D. VI Port
E. VS Port

Answer: BC

Explanation: VF PortBeginning in Cisco NX-OS Release 5.0(2)N1(1), vFC interfaces always operate in trunk mode; vFC interfaces do not operate in any other mode. You can configure allowed VSANs on a vFC by using theswitchport trunk allowed vsan command under the vfc interface (which is similar to FC TF and TE ports). For vFC interfaces that are connected to hosts, port VSAN is the only VSAN that supports logins (FLOGI). We recommend that you restrict the allowed VSANs for such vFC interfaces to the
port VSAN by using theswitchport trunk allowed vsan command in the interface mode to configure a VF port.
Cisco NX-OS Release 5.0(2)N1(1) includes support for 160 vFC interfaces.
The vFC VSAN assignment and the global VLAN-to-VSAN mapping table enables the Cisco Nexus 5000 Series switch to choose the appropriate VLAN for a VF port.
The VF port support over 10G-FEX interfaces feature is supported only in Cisco Nexus 2000 Series Fabric Extender straight-through topologies where each Fabric Extender is directly connected to a Cisco Nexus 5000 Series switch.
VE PortsA virtual E port (VE port) is a port that emulates an E port over a non-Fibre Channel link. VE port connectivity between Fibre Channel Forwarders (FCFs) is supported over point-to-point links. These links can be individual Ethernet interfaces or members of an Ethernet port-channel interface. For each of the FCF connected Ethernet interfaces you must create and bind an vFCinterface to the Ethernet interface. Configure vFC interfaces as VE ports by using the switchport mode e command in interface mode.
▪ VE ports have the following guidelines: Auto mode on the vFC is not supported.
▪ VE Port trunking is supported over FCoE-enabled VLANs.
▪ VE Port interface binding to MAC addresses is not supported. By default the VE Port is enabled for trunk mode.
You can configure multiple VSANs on the VE port. You must configure the FCoE VLANs that correspond to the VE port's VSANs on the bound Ethernet interface.
▪ The Spanning Tree Protocol is disabled on the FCoE VLANs on any interface that a vFC interface is bound to, which includes the interfaces that the VE ports are bound to.
Reference: http://www.cisco.com/c/en/us/td/docs/switches/datacenter/nexus5000/sw/san_switching/502_n2_1/b_Cisco_n5k_nxos_sanswitching_config_guide_rel 502_n2_1/Cisco_n5k_nxos_sanswitching_config_guide_rel502_n2_1_chapter3.html

NEW QUESTION 81
What is an advantage of cloud computing?

A. minimal downtime
B. limited control
C. vendor lock-in
D. cast savings

Answer: D

Explanation: Reference:
http://www.levelcloud.net/why-levelcloud/cloud-education-center/advantages-and-disadvantages-of-cloud-computing/

NEW QUESTION 82
DRAG DROP
Drag the WAAS component feature on the left to the corresponding function on the right.

Appnav	Reduces transmitted packets by replacing duplicate information with small signatures
Data Redundancy Elimination	Reduces traffic patterns based on program identifiable content
TCP Flow Optimization	Virtualizes and pools optimization resources for easier consumption
LZ Compression	Improves packet flow during suboptimal WAN conditions
Per Application Optimization	Reduces transmitted packet size by shrinking the contents of the packet

Answer:

Explanation:

Data Redundancy Elimination

Per Application Optimization

Appnav

TCP Flow Optimization

LZ Compression

NEW QUESTION 84
How many VRFs are present in Cisco Nexus OS by default?

A. 1
B. 2
C. 4

Answer: C

Explanation: Management VRF and Default VRF
Each router has a management VRF and a default VRF: Management VRF
▪ The management VRF is for management purposes only. Only the mgmt 0 interface can be in the management VRF. The mgmt 0 interface cannot be assigned to another VRF. The mgmt 0 interface is shared among multiple VDCs.
▪ No routing protocols can run in the management VRF (static only). Default VRF
▪ All Layer 3 interfaces exist in the default VRF until they are assigned to another VRF. Routing protocols run in the default VRF context unless another VRF context is specified. The default VRF uses the default routing context for all show commands.
▪ The default VRF is similar to the global routing table concept in Cisco IOS.
Reference: https://supportforums.cisco.com/document/133711/vrf-configuration-and-verification- nexus-7000

NEW QUESTION 87
Which vPC connection creates the illusion of a single control plane?

A. vPC keepalive link
B. vPC control link
C. vPC management link
D. vPC peer link

E. vPC overlay link

Answer: D

Explanation: The vPC peer link is the most important connectivity element in the vPC system. This link is used to create the illusion of a single control plane by forwarding Bridge Protocol data units (BPDUs) or Link Aggregation Control Protocol (LACP) packets to the primary vPC switch from the secondary vPC switch. Reference: http://www.cisco.com/c/en/us/products/collateral/switches/nexus-5000-series- switches/design_guide_c07-625857.html

NEW QUESTION 88
A network design engineer is asked to design a SAN (or a company Which two underlying principles of SAN design should be considered? Choose two.)

A. fault isolation, consolidation while maintaining isolation
B. future growth in LAN infrastructure
C. security management, preferential network security
D. scalability of LAN infrastructure, reduced Ethernet QoS complexity
E. short and long term port density and topology requirements

Answer: AE

Explanation: Principles of SAN Design
The underlying principles of SAN design are relatively straightforward: plan a network topology that can handle the number of ports necessary now and into the future; design a network topology with a given end-to-end performance and throughput level in mind, taking into account any physical requirements of a design (for example, whether the data center is or will in the future be located on multiple floors of a building or in multiple buildings or locations); and provide the necessary connectivity with remote data centers to handle the business requirements of business continuity and disaster recovery.
These underlying principles fall into five general categories:
• Port density and topology requirements-Number of ports required now and in the future
• Device performance and oversubscription ratios-Determination of what is acceptable and what is unavoidable
• Traffic management-Preferential routing or resource allocation
• Fault isolation-Consolidation while maintaining isolation
• Control plane scalability-Reduced routing complexity
Reference: http://www.cisco.com/c/en/us/products/collateral/interfaces-modules/storage-networking-modules/prod_white_paper0900aecd8044c807.html

NEW QUESTION 92
A user is trying to create a new VDC in NX-OS in global configurations mode, but receives an error message What issue prevents the user from creating Virtual Device Contexts?

A. VDCs cannot be created in global configuration mode.
B. The user is not a vdc-admin.
C. The user is not a member of the VDC Power Admin group.
D. The user is not a network-admin.

Answer: D

Explanation: VDCs have the following configuration guidelines and limitations:
‾ Standard VDCs cannot share interfaces, VLANs, Virtual Routing and Forwarding (VRF) tables, or port channels.
‾ Only users with the network-admin role can create VDCs.
Reference: 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/creating-vdc.html#concept_967368376CF246FA8B200C78081B389A

NEW QUESTION 96
What are two features of a Cisco Nexus 2232TM Fabric Extender? (Choose two)

A. 10 Gigabit uplinks
B. RJ45 host interfaces
C. unified ports
D. 4 uplink ports
E. side-to-back airflow

Answer: AB

NEW QUESTION 97
Which Layer 3 protocol is used within the ACI fabric?

A. OpenFlow
B. EIGRP
C. OSPF
D. IS-IS

Answer: C

NEW QUESTION 102
Policies that are applied by the APIC are typically based on which type of infra structure?

A. application-centric
B. performance-specific

C. leaf-specific
D. network-centric

Answer: A

Explanation: The Cisco Application Policy Infrastructure Controller (APIC) is a key component of an Application
Centric Infrastructure (ACI), which delivers a distributed, scalable, multi-tenant infrastructure with external end-point connectivity controlled and grouped via application centric policies. The APIC is the key architectural component that is the unified point of automation, management, monitoring and programmability for the Application Centric Infrastructure. The APIC supports the deployment, management and monitoring of any application anywhere, with a unified operations model for physical and virtual components of the infrastructure.
Reference: https://developer.cisco.com/media/apicDcPythonAPI_v0.1/understanding.html

NEW QUESTION 104
Which feature monitors state transitions of components and processes in Cisco Unified Computing System?

A. logical state arbiter
B. discovery
C. finite state machine
D. state monitor

Answer: C

Explanation: A finite state machine (FSM) is a workflow model, similar to a flow chart, that is composed of the following:
• Finite number of stages (states)
• Transitions between those stages
• Operations
The current stage in the FSM is determined by past stages and the operations performed to transition between the stages. A transition from one stage to another stage is dependent on the success or failure of an operation.
Cisco UCS Manager uses FSM tasks that run in the Data Management Engine (DME) to manage end points in the UCS object model, including the following:
• Physical components (chassis, I/O module, servers)
• Logical components (LAN cloud, policies)
• Workflows (server discovery, service profile management, downloads, upgrades, backups) Reference:
http://www.cisco.com/c/en/us/td/docs/unified_computing/ucs/ts/faults/reference/ErrMess/FaultsIntroduction.html#wp1082815

NEW QUESTION 108
Which option describes the STP requirements for Cisco Fabric Path?

A. MST must be configured an every Cisco Fabric Path VLAN.
B. STP is required only to resolve border link failures
C. RPVST must be configured on every Cisco Fabric Path VLAN
D. STP is not required on Cisco Fabric Path interfaces.

Answer: D

NEW QUESTION 110
What are two key components of the Cisco Application Centric infrastructure architecture? (Choose two)

A. access switch
B. Application-Centric Infrastructure Controller
C. distribution switch
D. spine switch
E. Application Policy Infrastructure Controller

Answer: DE

NEW QUESTION 111
Which two Cisco data center devices can participate in Fabric Path? (Choose two.)

A. Cisco MOS 9500 Series directors
B. Cisco Nexus 7000 Series Switches
C. Cisco Nexus 5500 Series Switches
D. Cisco Nexus 1000V
E. Cisco Nexus 4900 Series Switches

Answer: BC

NEW QUESTION 113
A Cisco DCS administrator is ready to cable two newly racked Fabric Interconnects. Which two
cabling configurations should be used for the heartbeat connectivity? (Choose two.)

A. Connect the Layer 1 portal Fabric Interconnect Ala me Layer 2 port of Fabric Interconnect B.
B. Connect the Layer 2 port of Fabric Interconnect A to the Layer 2 port of Fabric Interconnect B.
C. Connect the Layer 1 port of Fabric Interconnect A to the Layer 1 port of Fabric Interconnect B.
D. Keep the Layer 2 port of both Fabric Interconnects disconnected.
E. Connect the Layer 2 port of Fabric Interconnect A to the Layer 1 port of Fabric Interconnect B.
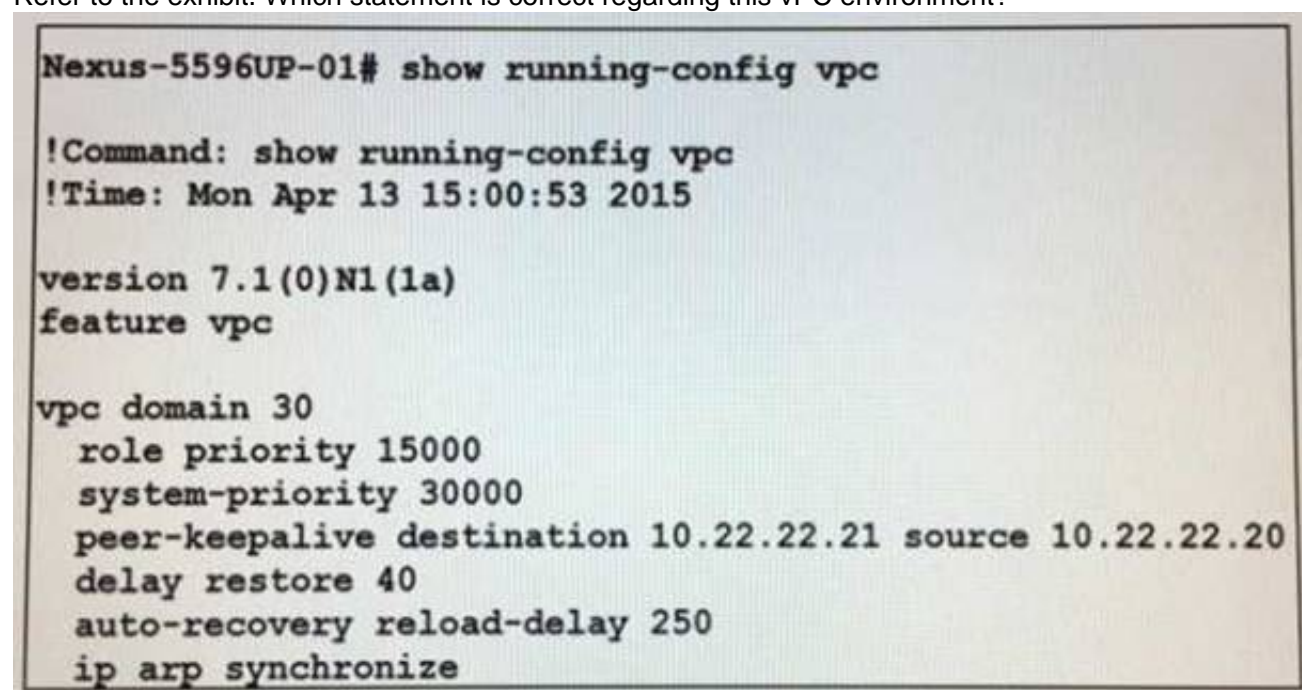
Answer: CD

NEW QUESTION 115
Which two options are advantages of a spine and leaf architecture? (Choose two)

A. robust multipathing
B. traffic that is optimized for east-west communication
C. star topology
D. traffic that is optimized for north-south communication
E. exponential scalability

Answer: AE

NEW QUESTION 116
Refer to the exhibit. Which statement is correct regarding this vPC environment?


```
Nexus-5596UP-01# show running-config vpc

!Command: show running-config vpc
!Time: Mon Apr 13 15:00:53 2015

version 7.1(0)N1(1a)
feature vpc

vpc domain 30
  role priority 15000
  system-priority 30000
  peer-keepalive destination 10.22.22.21 source 10.22.22.20
  delay restore 40
  auto-recovery reload-delay 250
  ip arp synchronize
```

A. The vPC peer keep alive uses a non-VRF path.
B. ip arp synchronize is automatically configured when a vPC domain is created.
C. The rote priority uses its default value.
D. The system priority has been configured to a lower number than its default value.

Answer: D

NEW QUESTION 119
In an ACf Fabric, which two statements about contexts are true? (Choose two.)

A. A VRF defines a Layer 3 address domain
B. A tenant can contain multiple VRFs
C. In traditional networking, a VRF is equivalent to a VDC
D. A tenant can contain only a single VRF.
E. A VRF defines a Layer 2 address domain.

Answer: AB

NEW QUESTION 123
What is the purpose of Fibre Channel over Ethernet?

A. FCoE maps native Fibre Channel onto Layer 2 Ethernet, Converging IP and storage networks.
B. FCoE encapsulates native Fiber Channel traffic inside GRE tunnels.
C. Data Center Bridging uses FCoE to transport IP traffic over native Fiber Channel.
D. FCoE encapsulates native Fiber Channel inside IP packets.

Answer: A

Explanation: FCoE maps Fibre Channel onto Layer 2 Ethernet, allowing the combination of LAN and SAN traffic onto a link and enabling SAN users to take advantage of the economy of scale, robust vendor community and roadmap of Ethernet.
Reference: https://www.cisco.com/en/US/solutions/collateral/ns340/ns517/ns224/ns945/ns1060/at_a_glance_ c45-578384.pdf

NEW QUESTION 125
A network engineer wants to configure switch ports on Cisco Nexus 2000 and 2200 Fabric Extender switches that are connected to a Cisco Nexus 5500 Series Switch. Which two options allow this configuration? (Choose two)

A. Connect to each of the Cisco Nexus 2200/2000 switches using Telnet, then configure the FEX switch ports.
B. Connect to a Cisco Nexus 5600 using Telnet, then configure the FEX switch ports.
C. Connect to each of the Cisco Nexus 2200/2000 switches using SSH, then configure the FEX switch ports.
D. Connect to each at the Cisco Nexus 2200/2000 switches using a console cable then configure the FEX switch ports.

E. Connect to a Cisco Nexus 5500 switch using SSH, then configure the FEX switch ports.

Answer: BE

NEW QUESTION 129
Which of the following is a virtual technology that helps create multiple route tables that function on
the same physical router?

A. VSS
B. vPC
C. VRF
D. VSAN

Answer: C

NEW QUESTION 131
Which statements are valid for a local SPAN configuration'? (Choose two.)

A. Source and destination interface must be on the same host
B. Source and destination interfaces can be on different hosts
C. Destination vEthernet interface can be on a different VLAN than the source
D. Destination interface can be a physical port
E. Destination interface cannot be a physical port

Answer: AD

NEW QUESTION 136
Which statement about NPIV is true?

A. NPIV provides a means to assign multiple Fibre Channel IDs to a single N-port
B. NPIV can be enabled on a per-VSAN basis.
C. NPIV requires a "write erase" and then reload the switch in order to come up into NPIV mode.
D. NPIV is a Cisco proprietary feature and as such works only between two Cisco switches.
E. NPIV must not be enabled on a switch that is also running N-port virtualization.

Answer: A

NEW QUESTION 137
A network engineer is configuring a pair of 6248 Fabric Interconnects, each with dual 10G uplinks to
a parent switch. One design requirement is to ensure a specific server is able to use 10G of throughput to the LAN without contention from other servers within the
5108 chassis. Which technology will accomplish this?

A. LAN Pin Groups
B. Port-Channels
C. System OoS Policy
D. Unified Ports

Answer: A

NEW QUESTION 139
Which adapters for Cisco UCS B-Series blade servers and C-Series rack servers allow configuration of virtual interfaces? (Choose four.)

A. M71-KR
B. M81-KR
C. VIC-1240
D. VIC-1280
E. P61E
F. P71E
G. P81E

Answer: BCDG

NEW QUESTION 143
Which three are the names of configuration tabs that appear in the Navigation Pane of the UCS
Manager GUI? (Choose three.)

A. VLAN
B. LAN
C. VSAN
D. Policies
E. Equipment
F. Global
G. Admin

Answer: BEG

NEW QUESTION 146
What native Fibre Channel technology facilitates connecting multiple Fibre Channel devices behind a
single FC address?

A. N-Port Virtualization
B. N-Port Identification Virtualization
C. Fibre Channel Arbitrary Loop
D. Fiber Channel over Ethernet

Answer: C

NEW QUESTION 149
An engineer is configuring a server for storage connectivity using a Cisco MDS switch. The engineer connects the server to the switch, powers up the server, and
then wants to verify that the server has logged into the fabric. Which command does the engineer use to verify fabric login?

A. show flogi database
B. show vsan database
C. show interface
D. show zoneset active

Answer: A

NEW QUESTION 152
A SAN administrator recently added a new zone to the VSAN 2 zoneset named zoneset2, but the
server is still unable to access the shared storage. What configuration will resolve this issue?

A. zoneset activate zoneset2
B. copy running-config startup-config
C. zone default-zone permit vsan 2
D. zone copy active-zoneset full-zoneset

Answer: A

NEW QUESTION 155
Which Cisco Nexus 1000V component is the equivalent of a line card on a standard Cisco Nexus switch?

A. Virtual Ethernet Module
B. Virtual Supervisor Module
C. Virtual Service Blade
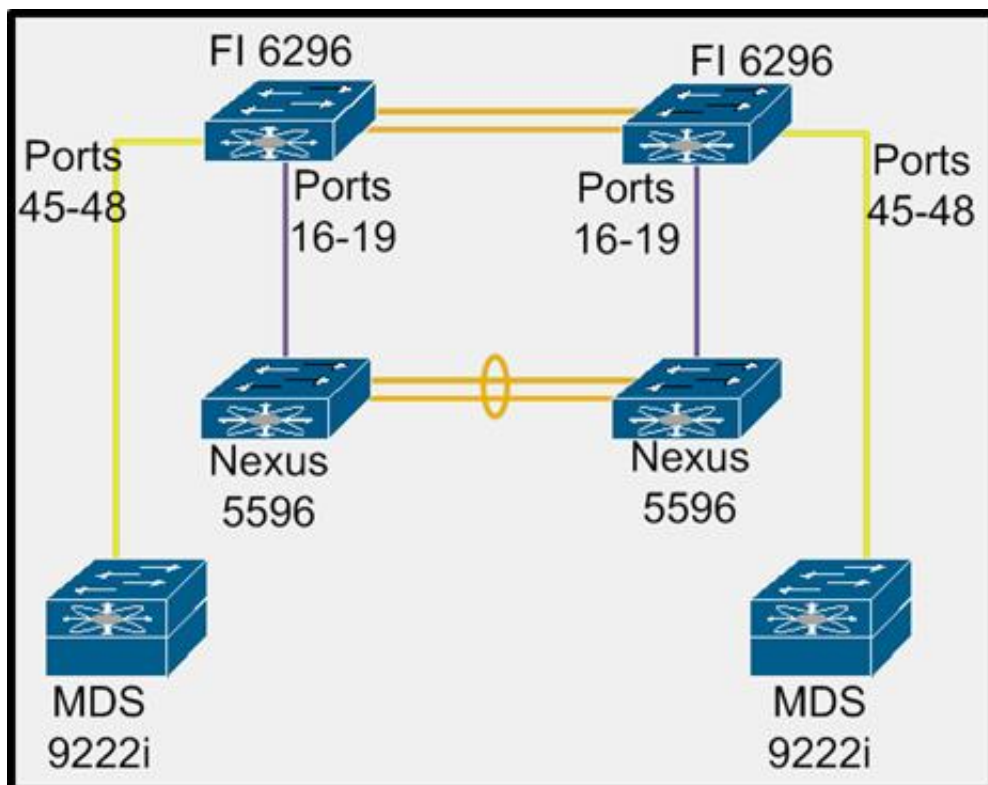D. Virtual Security Gateway

Answer: A

NEW QUESTION 159
Which Cisco Nexus 1000V component provides the platform on which Cisco NX-OS runs and interacts
with other components that make up the Cisco Nexus 1000V?

A. Virtual Supervisor Module
B. Virtual Ethernet Module
C. Virtual Service Blade
D. Virtual Security Gateway

Answer: A

NEW QUESTION 164
Refer to the exhibit.

A customer has connected ports from a Cisco UCS 6296 using factory default settings, in this way:
• Ports 45-48 connected to an upstream Cisco MDS switch
• Ports 16-19 connected to an upstream Cisco Nexus 5596 switch
Which two port modes should be used in Cisco UCS Manager? (Choose two.)

A. ports 45-48 as Fibre Channel uplink ports
B. ports 16-19 as uplink ports
C. ports 45-48 as Fibre Channel storage ports
D. ports 16-19 as server ports
E. ports 45-48 as FCoE ports

Answer: AB

NEW QUESTION 167
Which two options are two functions of the data center access layer? (Choose two.)

A. high data transfer rate
B. packet filtering
C. server connections
D. QoS policy enforcement
E. high network fault tolerance
F. VLAN creation

Answer: CF

NEW QUESTION 171
A network uses one pair of Layer 3 switches for core and distribution purposes. Which design is this
network using?

A. collapsed Layer 3 core
B. collapsed Layer 2-3
C. collapsed distribution
D. collapsed core
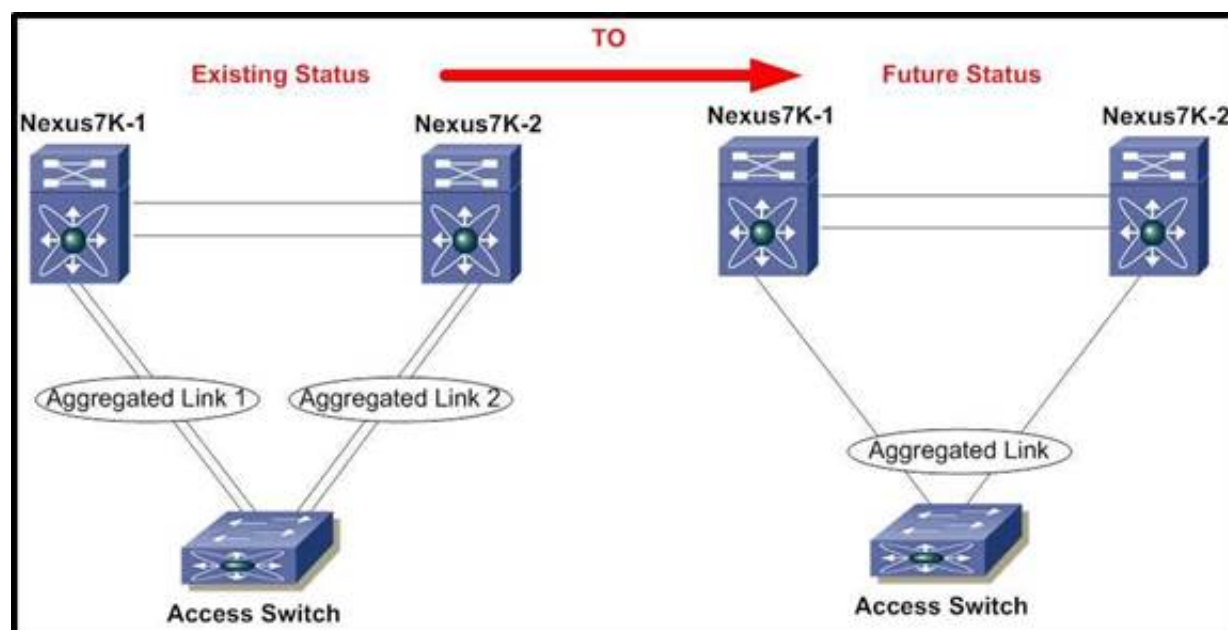
Answer: D

NEW QUESTION 172
A network architecture team is looking for a technology on Cisco Nexus switches that significantly simplifies extending Layer 2 applications across distributed data centers. The team wants the Cisco Data Center Interconnect between sites and without changing or reconfiguring the existing network design. Which technology should be used?

A. Multiprotocol Label Switching
B. Cisco FabricPath
C. virtual switching system
D. virtual port channel
E. Overlay Transport Virtualization

Answer: E

NEW QUESTION 176
Refer to the exhibit. A network engineer is migrating the existing switching infrastructure to a proposed model. Which technology is enabled on the Cisco Nexus switches to support this migration to its future status?

A. PAgP
B. VSS
C. VPC
D. FCoE

Answer: C

NEW QUESTION 178
Which four components are part of the Cisco Data Center Nexus switching offering? (Choose four.)

A. Cisco 6000 Series Switch
B. Cisco ASR 9000
C. Cisco 1000v Switch
D. Cisco IOS Software
E. Cisco 4500E Switch
F. Cisco NX-OS Software
G. Cisco 6509-E Switch
H. Cisco Fabric Extender

Answer: ACFH

NEW QUESTION 183
How would you install Cisco Nexus 1000V Series switches for high availability?

A. Install two VSMs in an active/standby configuration.
B. Only standalone Nexus 1000v Deployments are supported.
C. Install two VSMs in an active/active configuration.
D. Install a standalone VSM with VMware 1000v High Availability extension plugin.

Answer: A

Explanation: Active/standby dual supervisor configuration. The state and configuration remain constantly synchronized between two Virtual Supervisor Modules (VSMs) to provide a seamless and stateful switchover in the event of a VSM failure.

NEW QUESTION 186
In a virtualized network, what are two functionalities of the Cisco Virtual Ethernet Module? (Choose two.)

A. provides a CLI for the Cisco Nexus 1000V Series switch
B. controls multiple switches as a single network device
C. replaces VMware virtual switches
D. provides each virtual machine with dedicated switch ports
E. provides the network control plane

Answer: CE

NEW QUESTION 187
Which two actions do you perform when connecting a FEX to a parent switch? (Choose two.)

A. Assign a chassis ID to the FEX.
B. Configure a vPC between the parent switch and the FEX.
C. Preconfigure the FEX.
D. Add the serial number of the FEX to the parent switch.
E. Associate the FEX to the connected interface.

Answer: BE

NEW QUESTION 188
Which description of the role of a VEM on a Cisco Nexus 1000V Series Switch is true?

A. It switches the data traffic within the hypervisor.
B. It configures the interfaces.
C. It controls the software of the DVS.
D. It conveys the control and packet VLAN IDs.

Answer: A

NEW QUESTION 192
Which two descriptions of a Cisco UCS service profile are true? (Choose two.)

A. may contain VMware vSphere virtual machine definition
B. may be used to define the storage and networking characteristics of multiple servers
C. may contain firmware version information
D. may contain server operating system
E. may contain UUID, MAC address for each virtual NIC, and WWN specifications for each HBA

Answer: CE

NEW QUESTION 194
Which two statements about role-based access control on the Cisco Nexus 7000 switch are true?
(Choose two.)

A. The default user roles are network-admin, network-operator, vdc-admin, and vdc operator.
B. User roles needed if RADIUS is used for AAA.
C. No user roles are provided by defaul
D. It is however, best practice is to configure separate roles foradmin and other users.
E. Each user is assigned a unique role.
F. User roles can be distributed to other switches using Cisco Fabric Services.

Answer: AE

NEW QUESTION 198
Which description of the purpose of an ACI is true?

A. exposes parts of an application to be consumed or interacted with by another application.
B. provides a software framework for developers to build applications
C. provides a secure platform to authenticate internal users
D. assists developers to understand the underlying code of an application

Answer: A

NEW QUESTION 203
Which technology prevents the flooding of unknown unicast traffic across an IP link between two
data centers?

A. OTV
B. VPLS
C. MPLS
D. TRILL

Answer: A

NEW QUESTION 204
Which two statements accurately describe a Cisco UCS service profile? (Choose two.)

A. LAN and SAN policies are inherited from the root profile.
B. A service profile contains the policies that are required for a server.
C. A service profile contains the operating system to be used by a logical server.
D. A service profile contains the logical identity for a server.
E. One compute node can have several profiles simultaneously.
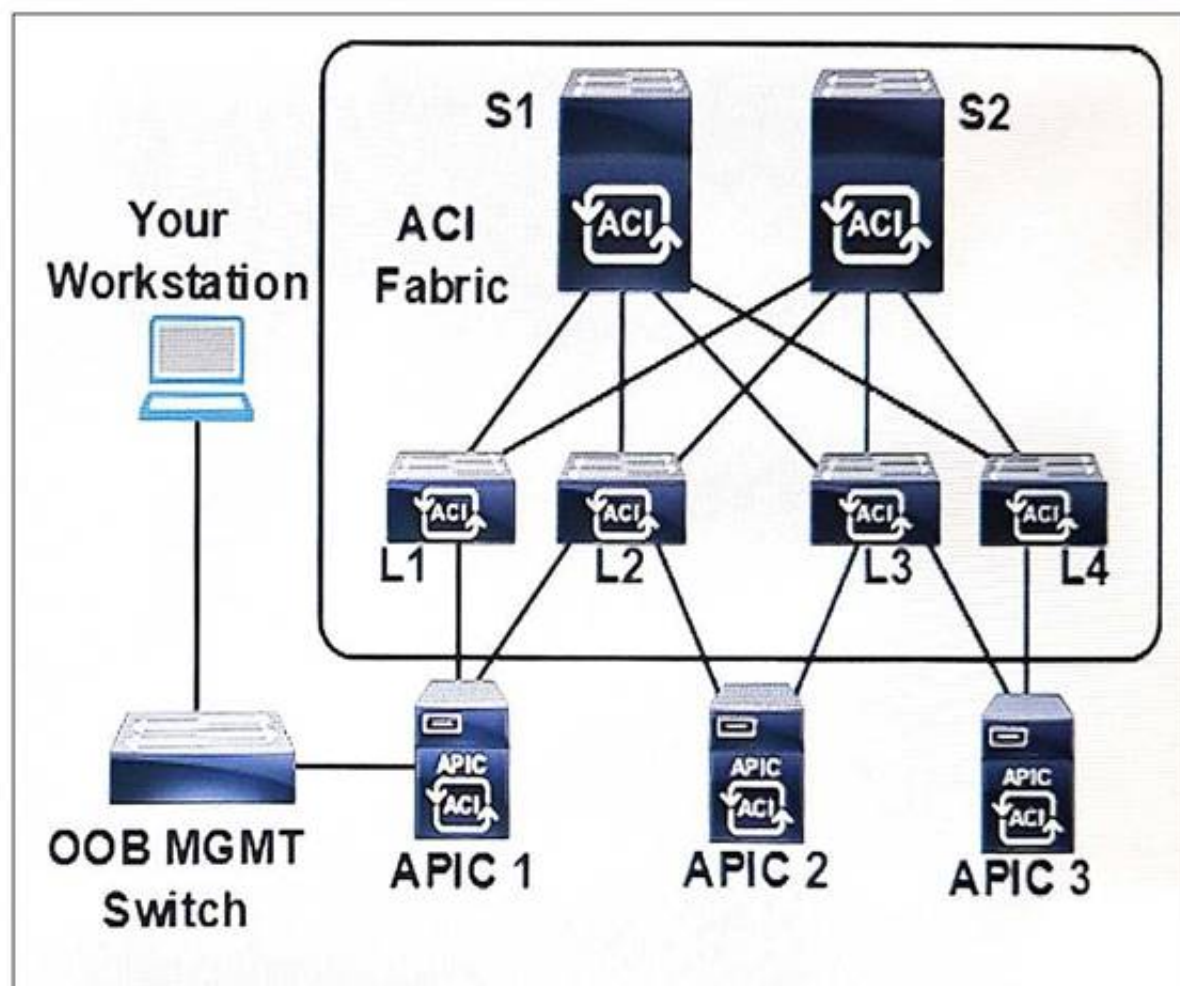
Answer: BC

NEW QUESTION 207
When configuring virtual PortChannels on Cisco Nexus switches, what does the vPC domain consist
of?

A. two vPC peer switches connected by a virtual switch link
B. two VSS peer switches connected by a peer link
C. two VSS peer switches connected by a port channel
D. two vPC peer switches connected by a peer link

Answer: D

NEW QUESTION 209
Refer to the exhibit.

Which option is discovered after L1 registers to APIC 1?

A. S1
B. OOB MGMT switch
C. APIC 2
D. L2

Answer: D

NEW QUESTION 213
You must recommend a management solution for a Cisco UCS system. Which option accurately describes Cisco UCS Director?

A. the full-feature version of Cisco UCS Manager with all of the management functions enabled
B. a replacement for Cisco UCS Manager in large-scale environments
C. an orchestrator to automate some of the steps that are required to configure a Cisco UCS domain
D. only an orchestration plug-in for Cisco UCS Manager that has no management capabilities

Answer: C

NEW QUESTION 218
FabricPath technology uses which two types of ports? (Choose two.)

A. F Port
B. NL Port
C. E Port
D. edge port
E. core port

Answer: DE

NEW QUESTION 219
What are two benefits of Cisco FabricPath? (Choose two.)

A. provides increased time to convergence
B. increases availability with multipathing over all links
C. uses spanning tree to eliminate switching loops
D. provisions additional network bandwidth without affecting the network
E. provides multivendor compatibility

Answer: AD

NEW QUESTION 224
Where do all Layer 3 interfaces exist until they are assigned to another VRF?

A. the management VRF
B. the admin VRF

C. the default VRF
D. VRF 0

Answer: C

NEW QUESTION 228
The chargeback module in Cisco UCS Director provides insight into which costs?

A. virtual infrastructure
B. storage
C. physical infrastructure
D. network

Answer: A

NEW QUESTION 229
The Cisco UCS Manager is embedded in which component of the Cisco UCS system?

A. Cisco UCS IOM module
B. Cisco UCS B-Series server
C. Cisco UCS Fabric Interconnect
D. Cisco UCS C-Series server

Answer: C

NEW QUESTION 233
What are three components of a Cisco UCS blade server system? (Choose three.)

A. Cisco UCS B-Series chassis
B. Cisco UCS C-Series server
C. Cisco UCS B-Series server
D. Cisco Nexus 5548UP Switch
E. Cisco UCS Fabric Interconnect
F. Cisco UCS C-Series chassis

Answer: ACE

NEW QUESTION 234
What is another term for data plane?

A. signaling plane
B. control plane
C. forwarding plane
D. management plane

Answer: C

NEW QUESTION 237
A network engineer configures FEX0101 on a Cisco Nexus 5596UP switch. Based on the output below, which interface is valid on the FEX?
switch# show fex 101
FEX: 101 Description: FEX0101 state: Online
FEX version: 7.2(1)N1(1) [Switch version: 7.2(1)N1(1)]
Extender Model: N2K-C2248 TP-1GE, Extender Serial: JAF 123456789 Part No: 73-12748-01
pinning-mode: static Max-links: 1 Fabric port for control traffic: Eth1/47 Fabric interface state:
Po147 – Interface Up. State: Active Eth 1/47 – Interface Up. State: Active Eth1/48 – Interface Up. State: Active

A. Ethernet 1/46
B. FC 101/1/2
C. Ethernet 1/48
D. Ethernet 101/1/1

Answer: C

NEW QUESTION 240
Which description of switch discovery on a Cisco APIC is true?

A. The APIC assigns an IP address to the switch from a pool.
B. Only leaf switches are discovered automatically.
C. A switch can be registered to multiple APIC clusters.
D. A switch registers with the APIC automatically.

Answer: B

NEW QUESTION 245
To specify the minimum number of connections between the I/O modules and the Cisco UCS Fabric Interconnects, which Cisco UCS policy do you configure?

A. chassis discovery policy
B. local disk configuration policy
C. BIOS policy
D. boot policy

Answer: A

NEW QUESTION 248
Which command set is a valid Cisco Unified Fabric port configuration on a Cisco Nexus 5500 Switch? A)

```
switch(config)# interface 1/1-8
switch(config-int)# port type fc
switch(config-int)# interface 1/9-16
switch(config-int)# port type ethernet
```

B)

```
switch(config)# slot 1
switch(config-slot)# port 9-16 type fc
switch(config-slot)# copy running-config startup-config
switch(config-slot)# reload
```

C)

```
switch(config)# interface 1/1-16
switch(config-int)# port 1-8 type fc
switch(config-int)# port 9-16 type ethernet
```

D)

```
switch(config)# interface 2/1-16
switch(config-int)# port type fc
switch(config-int)# copy running-config startup-config
switch(config-int)# poweroff module 2
switch(config-int)# no poweroff module 2
```


A. Option A
B. Option B
C. Option C
D. Option D

Answer: A

NEW QUESTION 251
You create a workflow lo deploy a service profile to a blade server. After you execute the workflow,
you notice that the resulting service request is in a blocked state What could cause the issue?

A. The request is waiting for approval
B. The request is waiting to be executed at a later time
C. A task fails to execute correctly.
D. The task library required by the workflow is unavailable

Answer: A

NEW QUESTION 256
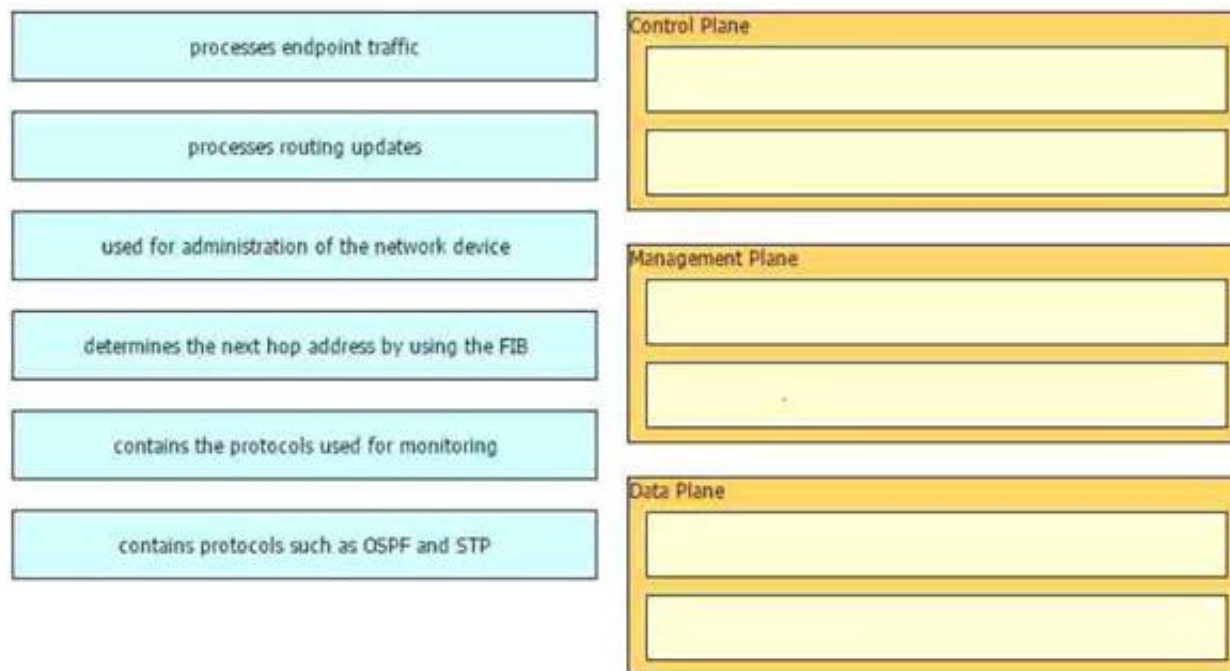Which type of port is used to connect and communicate with a SAN storage device on a Cisco MDS
switch?

A. Fibre Channel
B. QSFP
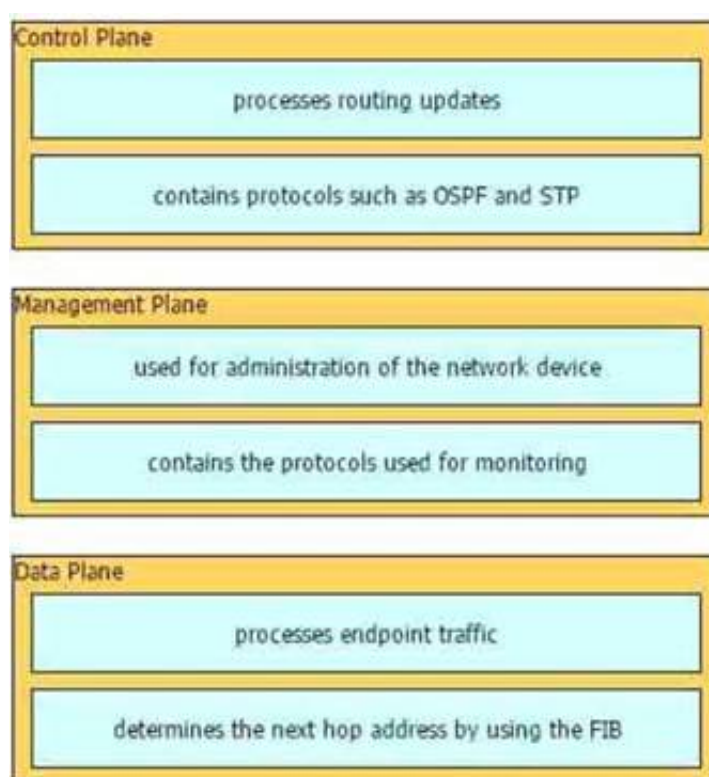C. serial
D. Ethernet

Answer: C

NEW QUESTION 261
DRAG DROP
Drag and drop the descriptions on the left to the correct operational planes on the right.

processes endpoint traffic	**Control Plane**
processes routing updates	
used for administration of the network device	**Management Plane**
determines the next hop address by using the FIB	
contains the protocols used for monitoring	**Data Plane**
contains protocols such as OSPF and STP	

Answer:

Explanation:

Control Plane
- processes routing updates
- contains protocols such as OSPF and STP

Management Plane
- used for administration of the network device
- contains the protocols used for monitoring

Data Plane
- processes endpoint traffic
- determines the next hop address by using the FIB

NEW QUESTION 266
Which description of a VMM domain profile is true?

A. specifies connectivity policies that enable Cisco AC1 to connect to a virtual machine manager
B. associates a physical network to a virtual network
C. specifies the credentials used to connect the Cisco ACI to a virtual machine controller
D. associates virtual machines in multiple domains

Answer: A

NEW QUESTION 267
What is one benefit of running Cisco FabricPath as compared to STP?

A. uses different control protocols for unicast forwarding and multicast forwarding
B. teams all MAC addresses in the network unconditionally
C. blocks redundant links
D. allows forwarding of frames along all available equal cost paths

Answer: D

NEW QUESTION 272
What is the role of a Cisco APIC when configuring services for the Cisco ACI fabric?

A. It communicates with load balancers without using a plug-in
B. It builds a service graph by communicating with switches and routers.
C. It connects physical appliances automatically to the correct EPG
D. It provides a single point of provisioning that can accessed via a REST API

Answer: D

NEW QUESTION 273
Refer to the exhibit.
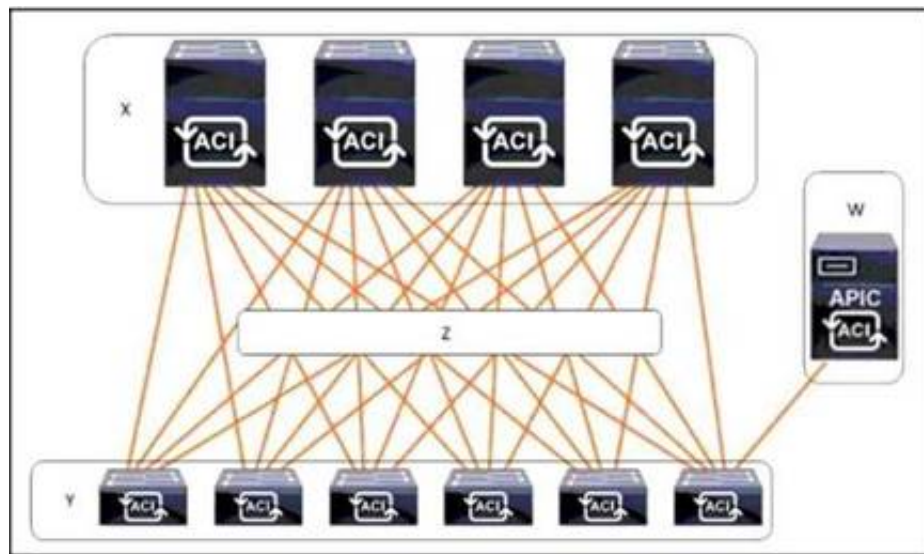
Which option accurately describes the infrastructure?

A. X represents the spine nodes Y represents the leaf nodes Z is the Cisco Fabric Interconnect layer W is the VMware vCenter Server
B. X represents the spine nodes Y represents the leaf nodes Z is the Cisco ACI fabric W is the Cisco Application Policy Infrastructure Controller
C. X represents the leaf nodes Y represents the spine nodes Z is the Cisco ACI fabric W ts the VMware vCenter Server
D. X represents the collapsed backWne nodes Y represents the access nodes Z is the Cisco Fabric Interconnect layer W is the Cisco Application Policy Infrastructure Controller

Answer: C

NEW QUESTION 277
DRAG DROP
You must configure the logical constructs of a Cisco ACI policy model in the correct hierarchical order Drag and drop the constructs on the left to the correct order on the right

context	Step 1
endpoints	Step 2
endpoint group	Step 3
tenant	Step 4

Answer:

Explanation:

tenant
context
endpoints
endpoint group

NEW QUESTION 279
DRAG DROP
Refer to the exhibit.

VXLAN Frame Format

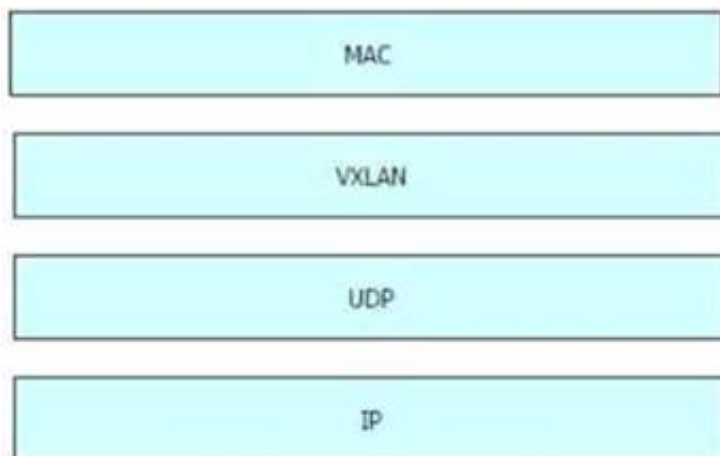| MAC Header	IP Header	UDP Header	VXLAN Header	Original L2 Frame	FCS
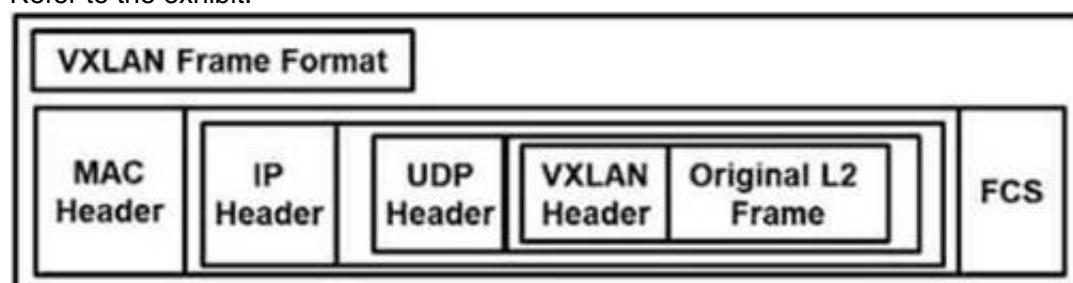
Drag and drop the headers from the left onto the correct descriptions of the header content on the right.

IP		contained in VTEP Layer 2 table
MAC		used to represent the VTEP
VXLAN		source port allocated by the VTEP
UDP		individual overlay

Answer:

Explanation:

MAC

VXLAN

UDP

IP

NEW QUESTION 284
Refer to the exhibit.

Properties	
Name	vHBA1
Description	:
Owner	: Local
Fabric ID	: A • B
Redundancy	
Redundancy Type	: ◯ No Redundancy ◯ Primary Template ● Secondary Template
Peer Redundancy Template	: vHBA0 ▼ Create vHBA Template
VSAN	: 150
Target	: Adapter
Template Type	: Initial Template • Updating Template
Max Data Field Size	: 2048
Policies	
WWPN Pool	: derived ▼
QoS Policy	: <not set> ▼
Pin Group	: <not set> ▼
Stats Threshold Policy	: default ▼

Which benefit of a vHBA template pair is true?

A. requires that you configure vHBA pairs independently
B. allows the use of fewer IP addresses in the WWPN pool
C. enables you to group vHBAs that share attributes
D. provides redundancy by linking to another template that uses fabric B

Answer: D

NEW QUESTION 286
A user logs into a Cisco Nexus 7000 Series device and issues a show vpc brief command but the user does not see any output. What could cause this issue?

A. The user needs to enable the vPC feature
B. The user does not have admin level privilege
C. The vPC peer link is down
D. The command is not valid

Answer: A

NEW QUESTION 289
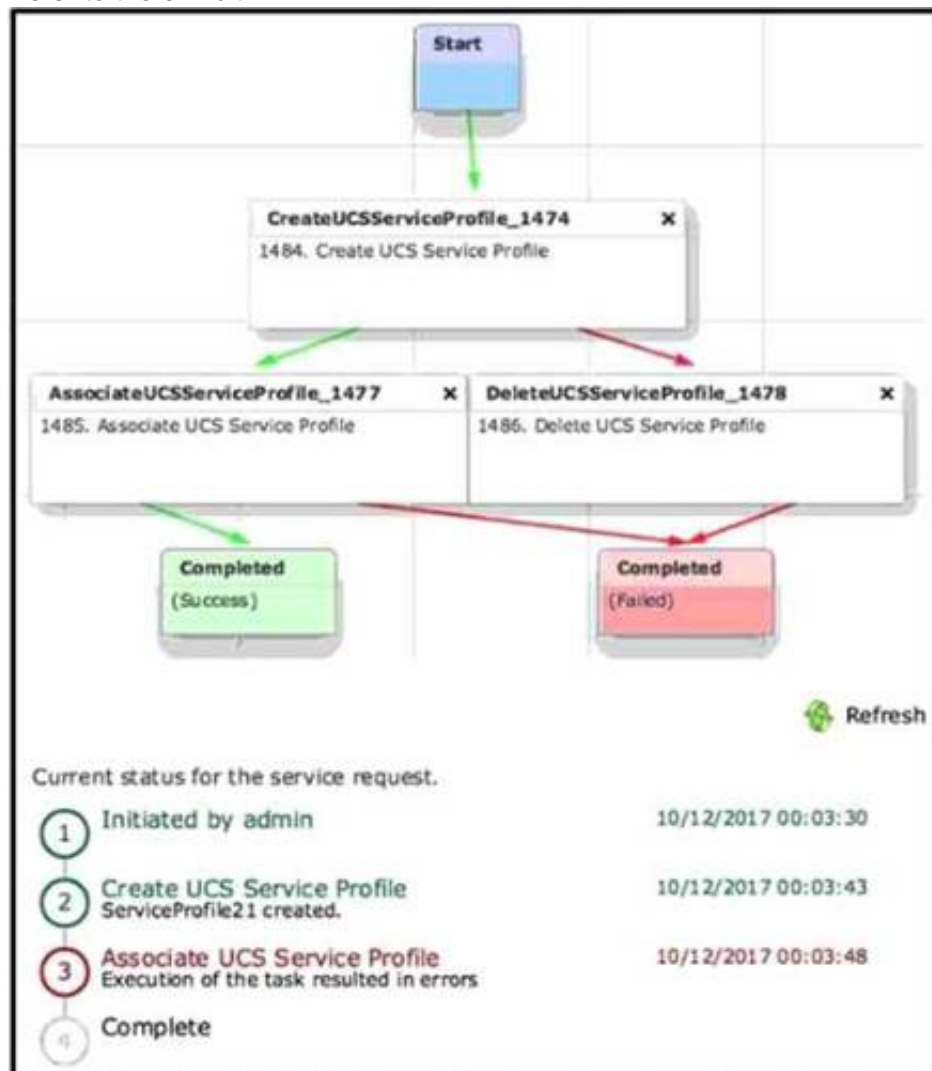Which equipment policy is directly affected by the number of links between a fabric interconnect and an I/O module?

A. global power allocation policy
B. rack management connection policy

C. firmware auto sync server policy
D. chassis/FEX discovery policy

Answer: D

NEW QUESTION 293
Refer to the exhibit.

Which description of the workflow is true?

A. It attempts to associate the service profile to another blade
B. It completes in a failed state
C. It pauses while waiting for user input
D. It deletes the service profile

Answer: A

NEW QUESTION 296
Which option accurately describes the utility of a service offering in Cisco UCS Director?

A. describes the application requirements
B. selects resources based on the application requirements
C. describes the capabilities of a hardware component
D. describes the infrastructure that is required for the deployment of an application

Answer: B

NEW QUESTION 301
How does a Cisco APIC discover a new switch in the fabric?

A. by using a defined APIC policy
B. by querying an APIC cluster node
C. by using a cascading discovery process
D. by using SNMP

Answer: C

NEW QUESTION 304
What are two benefits of blade servers as compared to rack servers? (Choose two.)

A. higher performance
B. fewer cables
C. Easier to provision
D. more disk space
E. lower initial cost of one server

Answer: BE

NEW QUESTION 308

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