

200-155 Dumps

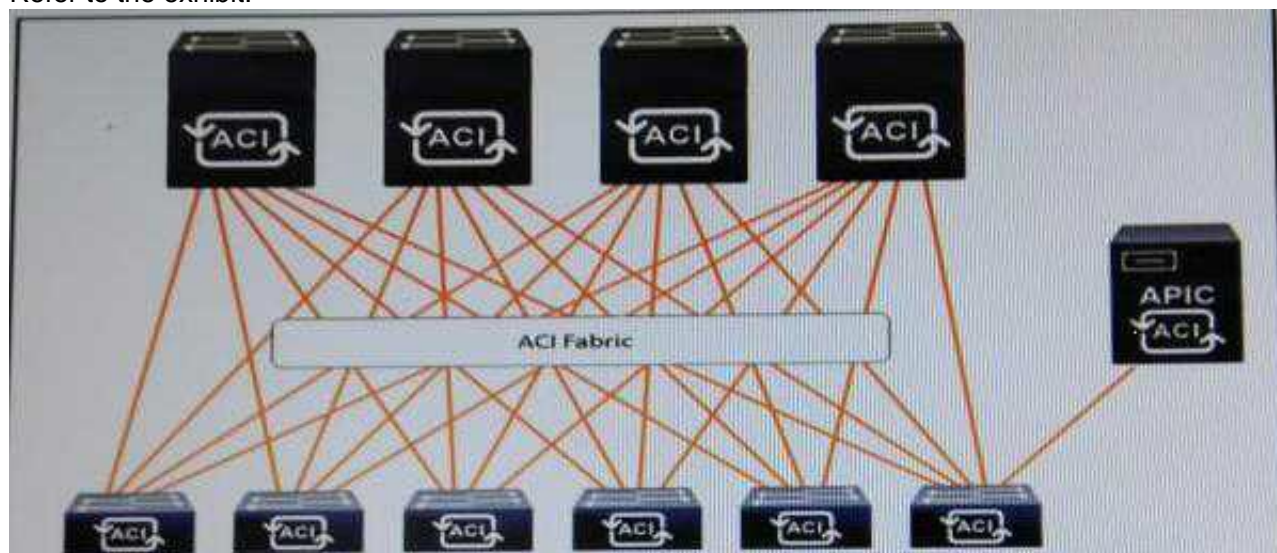
DCICT Introducing Cisco Data Center Technologies

<https://www.certleader.com/200-155-dumps.html>



NEW QUESTION 1

Refer to the exhibit.



Refer to the exhibit. Which statement accurately describes how traffic is handled within the fabric?

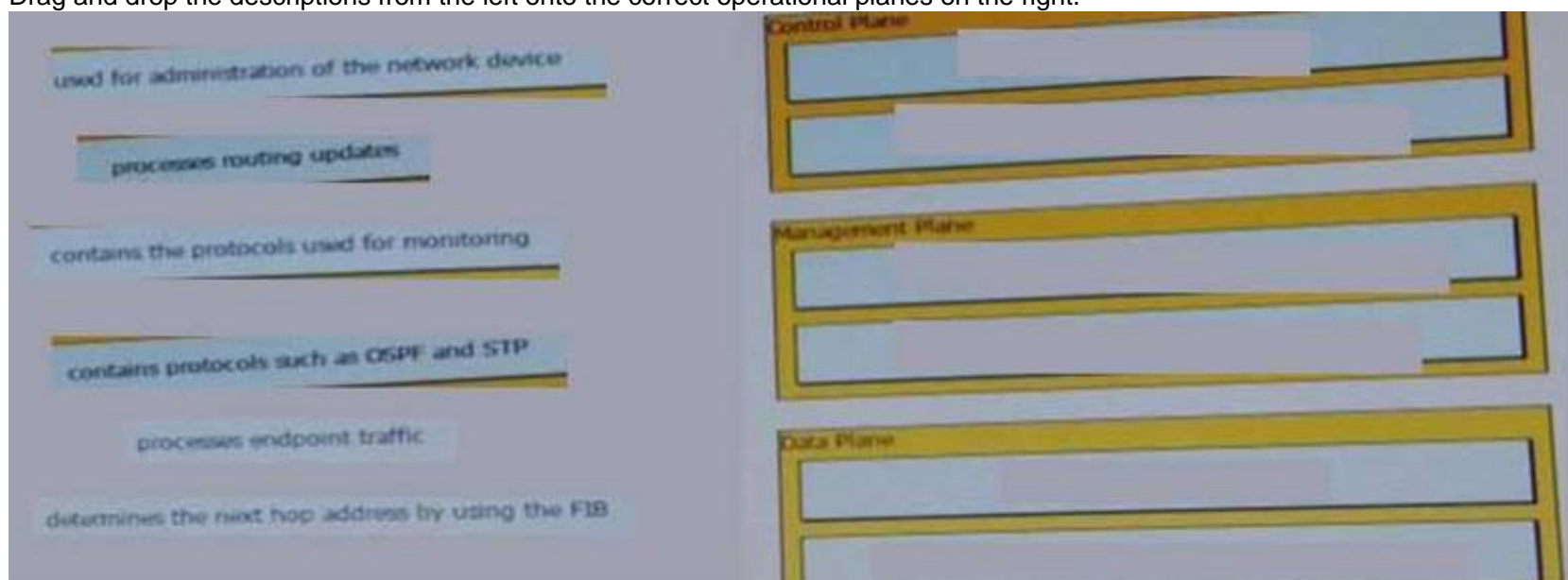
- A. Traffic with the source and the destination on the same leaf switch is managed locally, and all other traffic is managed by the master spine switch that is orchestrated by the Cisco APIC host.
- B. All traffic is managed by the master spine switch that is orchestrated by the Cisco APIC host.
- C. Traffic with the source and the destination on the same leaf switch is managed locally, and all other traffic travels from the ingress leaf to the egress leaf through a spine switch.
- D. All traffic is managed by the master leaf switch that is orchestrated by the Cisco APIC host.

Answer: A

NEW QUESTION 2

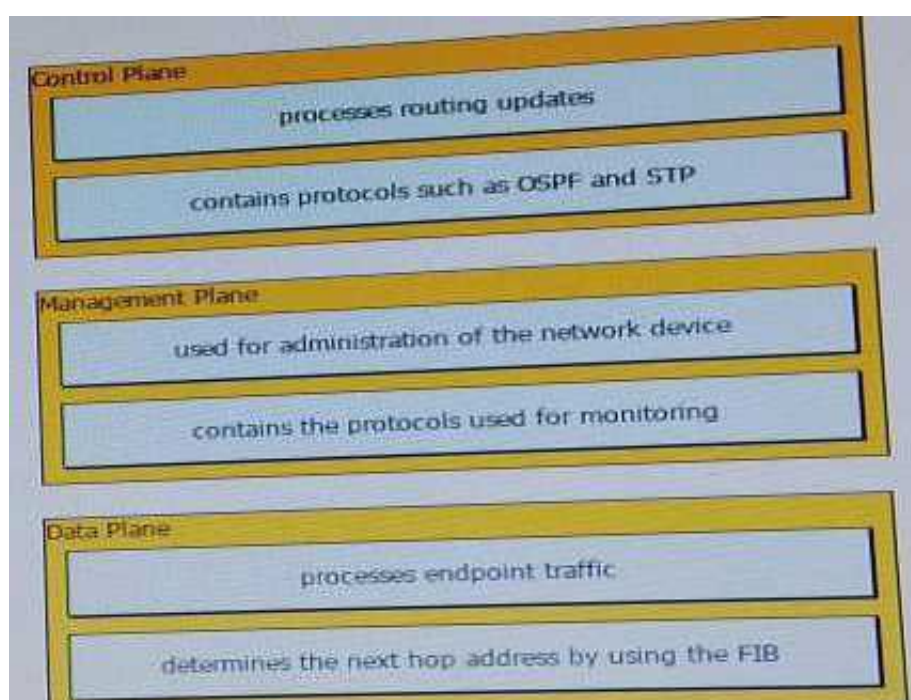
DRAG DROP

Drag and drop the descriptions from the left onto the correct operational planes on the right.



Answer:

Explanation:



NEW QUESTION 3

What is the minimum number of infrastructure controllers in a Cisco APIC cluster deployment for a production data center?

- A. Three virtual appliances.
- B. Three physical appliances.
- C. Two physical appliances
- D. Two virtual appliances

Answer: B

NEW QUESTION 4

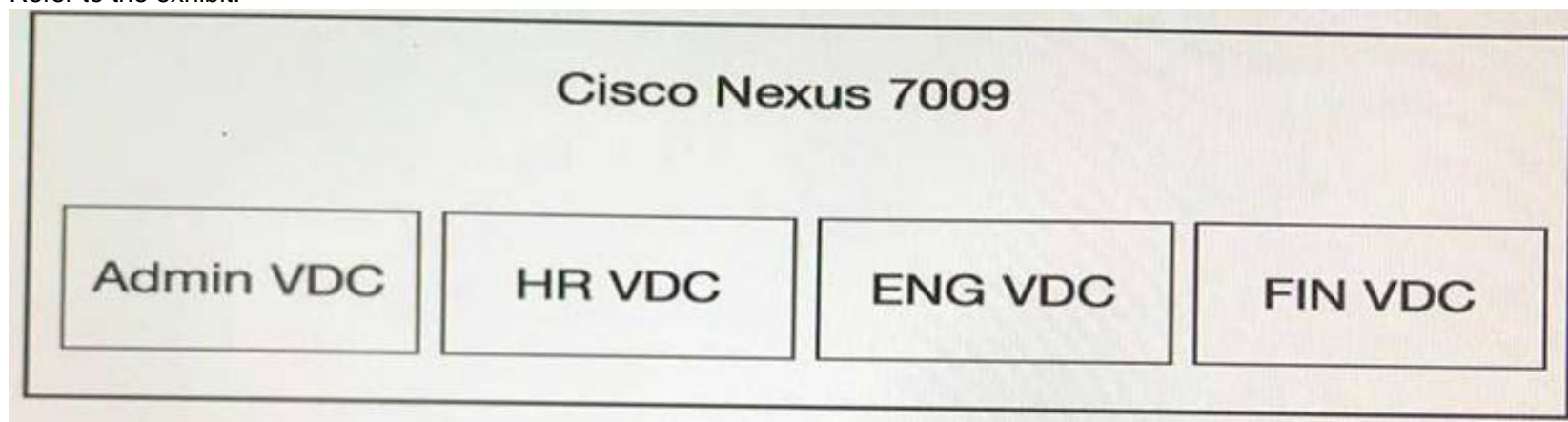
Which two components are primary elements of a tenant?

- A. contracts
- B. fire rules
- C. switch domains
- D. outside networks
- E. access policies

Answer: AD

NEW QUESTION 5

Refer to the exhibit.



Refer to the exhibit. How many STP domains are present?

- A. 3
- B. 4
- C. 1
- D. 2

Answer: A

NEW QUESTION 6

Which two Cisco ACI components are included in an Application Network Profile?

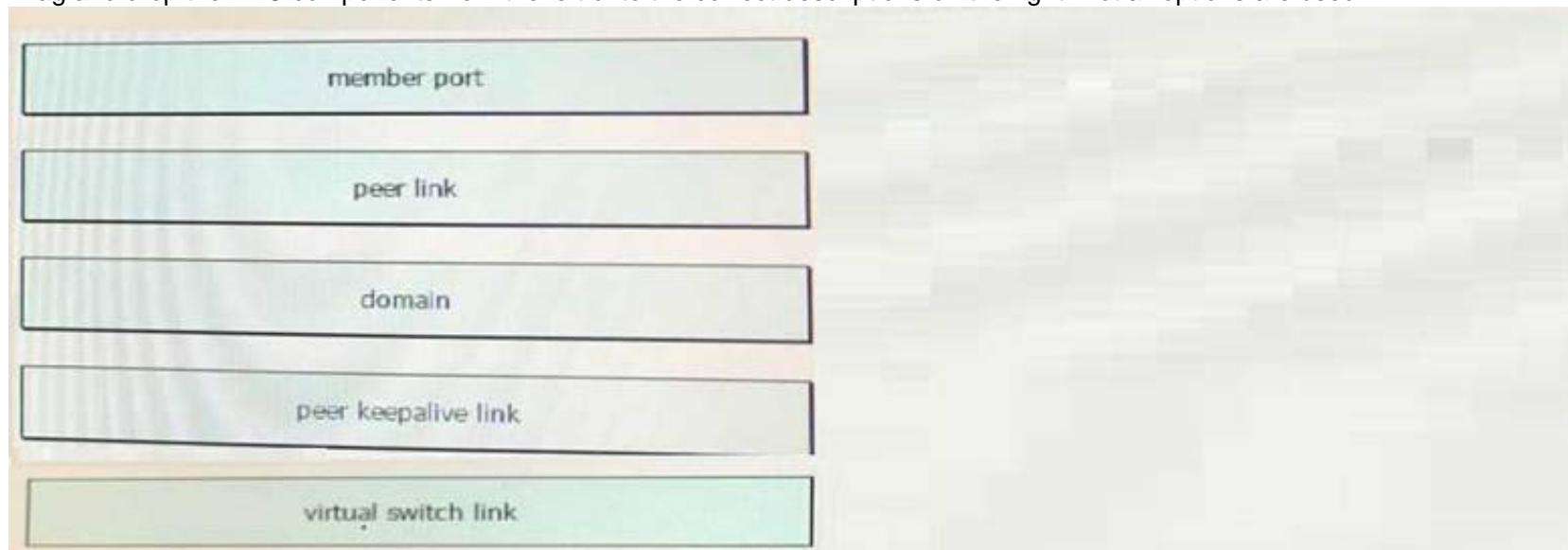
- A. Contracts
- B. EPGs
- C. clients
- D. tenants
- E. contexts

Answer: AB

NEW QUESTION 7

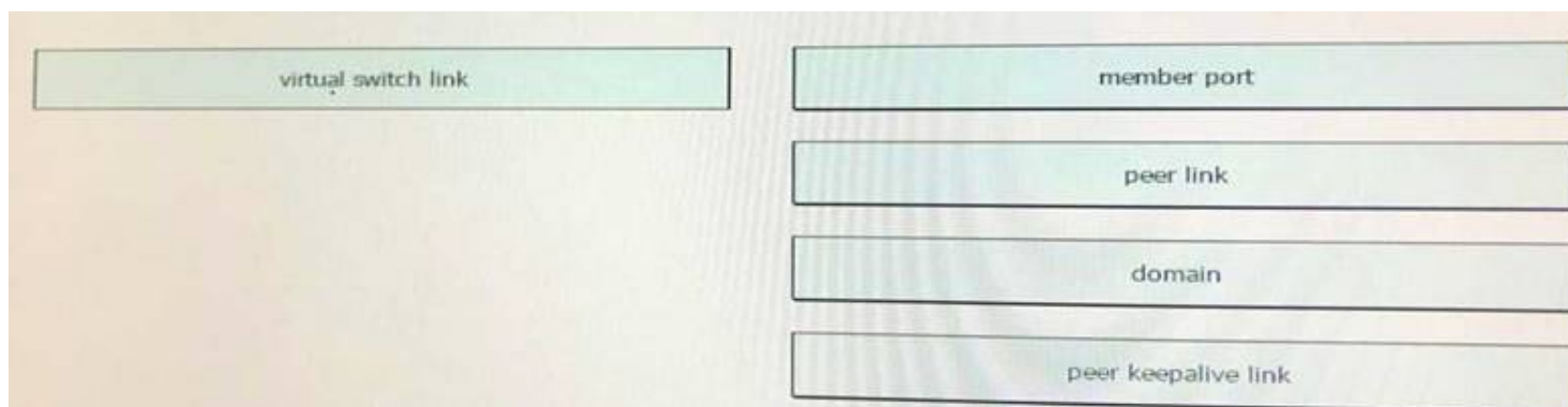
DRAG DROP

Drag and drop the VPC components from the left onto the correct descriptions on the right. Not all options are used.



Answer:

Explanation:



NEW QUESTION 8

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 9

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 10

Which statement accurately describes NVGRE?

- A. can be deployed in a unicast-only environment
- B. uses a virtual subnet 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

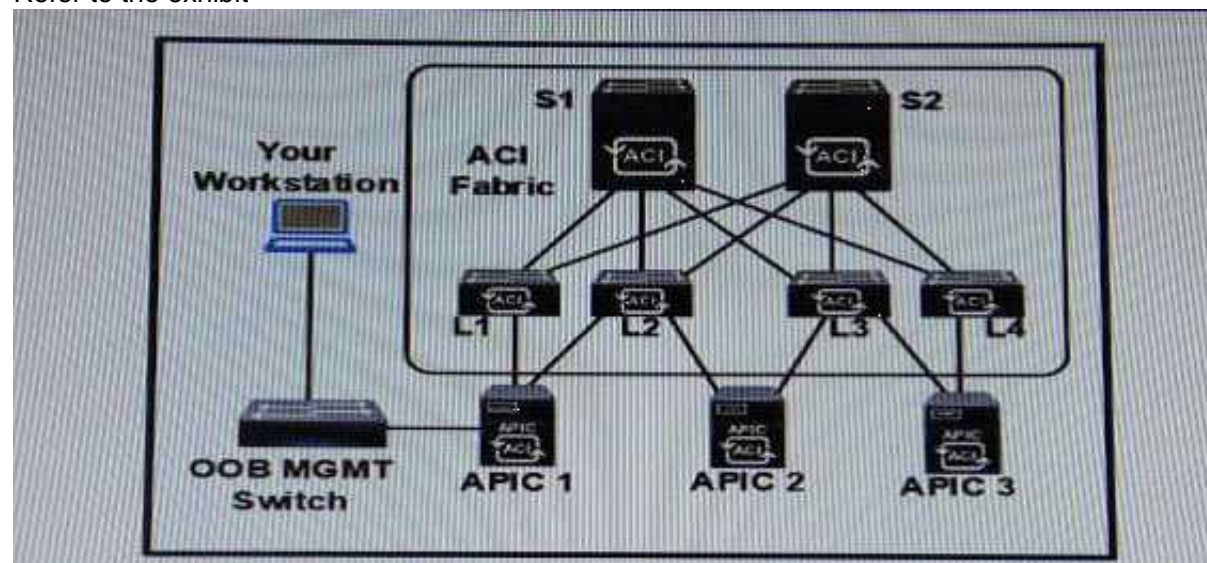
When comparing Cisco Nexus 2000 Series Fabric Extenders to tradition top-of rack switches, which two statements are true? (Choose two)

- 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 14

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 17

Which type of traffic is handled by the data plane?

- A. packets destined for the device
- B. control packets
- C. transit packets
- D. packets indirectly destined for the device

Answer: A

NEW QUESTION 22

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 26

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 29

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 32

Which three pools are building blocks that you use to uniquely identify hardware resources? (Choose three)

- A. UUID pool
- B. DHCP pool
- C. WWNN and WWPN pool
- D. MAC address pool
- E. RBAC pool
- F. disk pool

Answer: ACD

NEW QUESTION 34

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 35

Which description of the function of a Cisco APIC is true?

- A. The APIC discovers only the leaf switch to which it directly connects
- B. The APIC exposes a north bound API by using XML and JSON.
- C. The infrastructure VLAN ID of the ACI fabric is used to communicate between the controller and the VMware vCenter server.
- D. When communication to the APIC is down, the Cisco ACI fabric fails to forward traffic.

Answer: B

NEW QUESTION 38

Which statement about a bridge domain is true?

- A. A bridge domain must be linked to one internal network and one external network
- B. A bridge domain must be linked to a physical domain
- C. A bridge domain typically has at least one subnet that is associated with it
- D. A bridge domain must have at least one external network that is associated with it

Answer: C

NEW QUESTION 41

Which two options are primary elements of a tenant? (Choose two)

- A. firewall rules
- B. contracts
- C. EPG
- D. access policies
- E. switch domains

Answer: BC

NEW QUESTION 44

Refer to the exhibit. A network engineer allocates 12 physical ports to a new VDC. Which command is used to verify VDC port allocation on a Cisco Nexus switch?

```
Nexus-7K1# config terminal
Enter configuration commands, one per line. End with CNTL/Z.
Nexus-7K1(config)# vdc Nexus-7K1-VDC2
Note: Creating VDC, one moment please ...
Nexus-7K1(config-vdc)# allocate interface e4/1-12
Moving ports will cause all config associated to them in source vdc to be
removed. Are you sure you want to move the ports (y/n)? [yes] yes
```

- A. show vdc port-membership
- B. show vdc port-allocation
- C. show vdc allocation
- D. show vdc membership

Answer: D

NEW QUESTION 46

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 50

A customer has two Cisco UCS 6248 Fabric Interconnects in a cluster connected to one Cisco UCS 5108 Chassis via.

- 2 ports from the primary fabric interconnect to chassis 1, I/O module A
- 2 parts from secondary fabric interconnect to chassis 1, I/O module B

The customer wants to ensure maximum redundancy and bandwidth. Within Cisco UCS Manager, how should the chassis discovery policy grouping be configured before the new chassis is discovered?

- A. 4-link, none
- B. 2-link, none
- C. 2-link, port channel
- D. 4-link, port channel

Answer: C

Explanation:

http://www.cisco.com/c/en/us/td/docs/unified_computing/ucs/sw/gui/config/guide/2-0/b_UCSM_GUI_Configuration_Guide_2_0/b_UCSM_GUI_Configuration_Guide_2_0_chapter_01100.html

NEW QUESTION 51

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 54

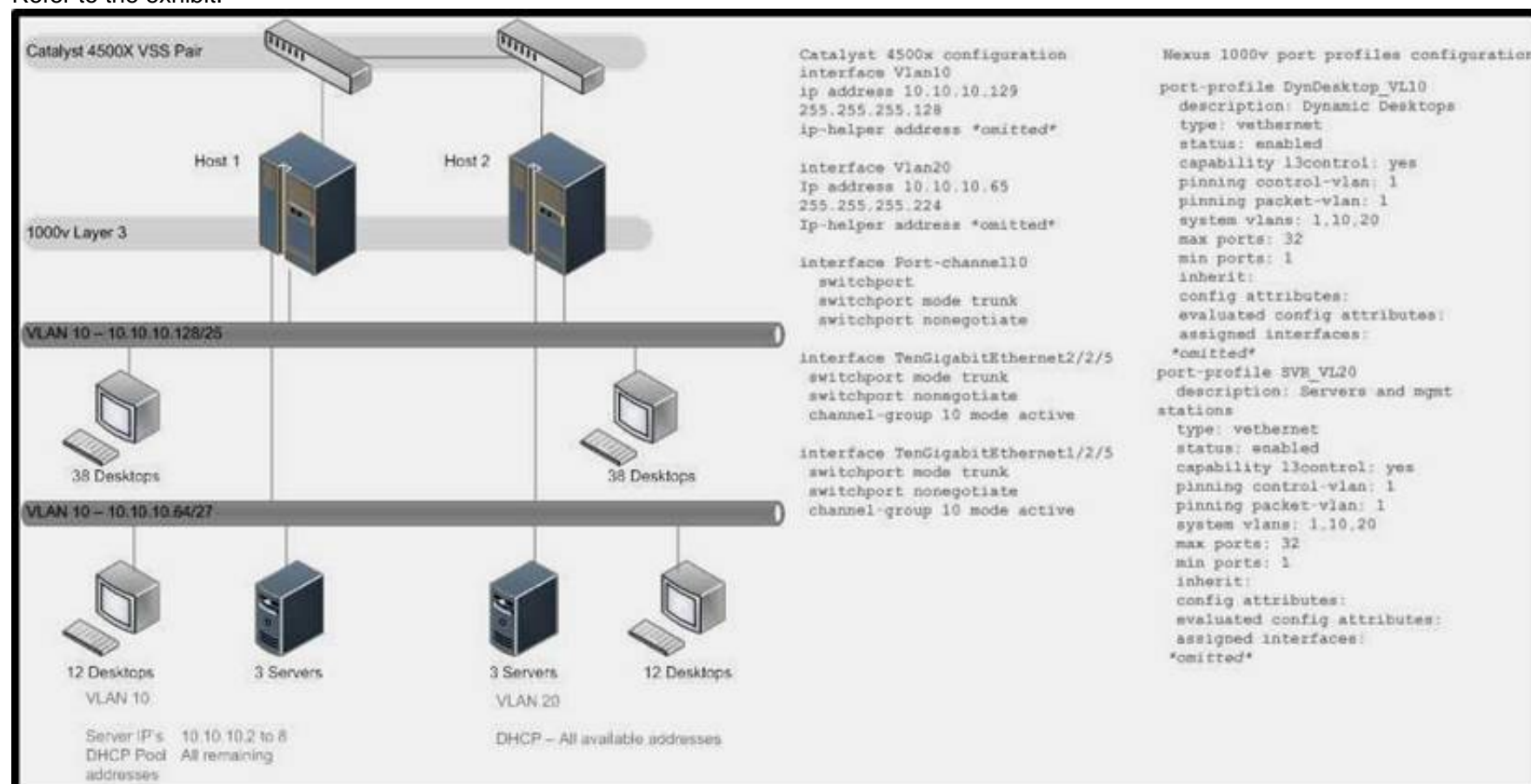
Layer 3 networks can be logically separated by which technology?

- A. bridge domain
- B. VRF
- C. VLAN
- D. tenant

Answer: B

NEW QUESTION 58

Refer to the exhibit.



An engineer is presented with a VMWare ESX cluster consisting of two VMWare ESX hosts running Nexus 1000v. The guest system inventory consists of 100 static virtual desktops. What change will permit all 100 guests to be online at the same time?

- A. increase the subnet size for VLAN 10 on the 4500x core
- B. increase the max-ports setting for the VLAN 10
- C. increase the global max-ports setting m the Nexus 1000v
- D. increase the max-ports setting for both VLAN \0 and 20

Answer: B

NEW QUESTION 62

DRAG DROP

Drag the Network virtualization technology on the left to the correct definition on the right.

Chassis FEX	Consolidates network management and presents physical switchports as a member of the parent
Adapter FEX	Consolidates the virtual and physical network and provides a virtual interface on the physical switch
FEX	Consolidates multiple IO module interfaces between fabric extenders and servers
VM FEX	Consolidates multiple physical interfaces and extends the network into the server

Answer:

Explanation:

FEX
VM FEX
Chassis FEX
Adapter FEX

NEW QUESTION 67

Which policy is typically required for communication between two EPGs within an ACI fabric?

- A. contracts
- B. VRF
- C. bridge domain
- D. VLAN

Answer: A

NEW QUESTION 71

An engineer the UCS Fabric interconnects for network connectivity to the data center LAN and SAN. Which two ports types need to be configured to allow traffic to Bow properly? (Choose two)

- A. Ethernet uplink
- B. server uplink
- C. appliance
- D. Fibre Channel uplink
- E. Fibre Channel storage

Answer: AD

Explanation: Cisco UCS Fabric Interconnects provide these port types:

- Server Ports—Server Ports handle data traffic between the Fabric Interconnect and the adapter cards on the servers. You can only configure Server Ports on the fixed port module. Expansion modules do not support Server Ports.
 - Uplink Ethernet Ports—Uplink Ethernet Ports connect to external LAN Switches. Network bound Ethernet traffic is pinned to one of these ports. You can configure Uplink Ethernet Ports on either the fixed module or an expansion module.
 - Uplink Fibre Channel Ports—Uplink Fibre Channel Ports connect to external SAN Switches. Network bound Fibre Channel traffic is pinned to one of these ports.
- Reference: <http://www.cisco.com/c/en/us/support/docs/servers-unified-computing/ucs-6120xp-20-port-fabric-interconnect/110267-ucs-uplink-ethernet-connection.html>

NEW QUESTION 72

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 76

Which two installation models are supported by Cisco virtual interfaces? (Choose two)

- A. pass-through switching
- B. stare-and-forward switching
- C. channeled uplink
- D. hypervisor controlled
- E. native switching

Answer: AD

NEW QUESTION 77

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 82

Which Layer 3 protocol is used within the ACI fabric?

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

Answer: C

NEW QUESTION 86

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 90

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 91

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 94

An engineer wants to restore a Cisco Nexus 1 000v switch to factory default settings Which two commands accomplish this action? (Choose br a.)

- A. write erase running-config
- B. reboot
- C. write erase boot
- D. reload
- E. copy running-config startup-config

Answer: CD

NEW QUESTION 99

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 A to the 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 104

What are the two default user roles in Cisco UCS Manager RBAC? (Choose two.)

- A. Operations
- B. AAA Administrator
- C. Root
- D. Local
- E. Sudo

Answer: AB

NEW QUESTION 108

After configuring a vPC between the core Nexus 7000 and the middle of row Nexus 5548, the network administrator notices that one of the port channel interfaces is 90% utilized, while the other interface in the port channel is rarely used Further analysis reveals that the over utilized port has traffic earning from a single server that is accessing an SQL database What configuration on the Nexus 5548 will help rebalance the vPC?

- A. port-channel load-balance ethernet source-destination-ip
- B. port-channel load-balance ethernet source-destination-mac
- C. port-channel load-balance ethernet destination-port
- D. port-channel load-balance ethernet source destination-port

Answer: D

NEW QUESTION 110

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 role priority uses its default value.
- D. The system priority has been configured to a lower number than its default value.

Answer: D

NEW QUESTION 114

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 118

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 120

Which Cisco Nexus 2000 Series Fabric Extender supports FCoE?

- A. 2232TM
- B. 2148T
- C. 22497P
- D. 2232PP
- E. 2248T

Answer: D

Explanation: Reference: <http://www.cisco.com/c/en/us/products/switches/nexus-2000-series-fabric-extenders/models-comparison.html#~10gfx>

NEW QUESTION 124

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 128

Refer to the exhibit below:



```
switch(config-vsan-db)#
```

The figure shows CLI interface for VSAN configuration of Cisco MDS 9000 switch.
Which command is required to enter the configuration prompt for VSAN as shown in figure?

- A. config t
- B. vsan name
- C. vsan
- D. vsan database

Answer: D

NEW QUESTION 133

Which layer serves as the boundary between L2 and L3 links in a datacenter infrastructure?

- A. Access Layer
- B. Core Layer
- C. Aggregation Layer
- D. None of above

Answer: C

NEW QUESTION 135

Which of the following SAN devices provides an IOA feature?

- A. Cisco MDS 9000 16-Port Storage Services Node
- B. Cisco MDS 9100 Series Multilayer Fabric Switches
- C. Cisco MDS 9200 Series Multiservice Switches
- D. Cisco MDS 9148 Multilayer Fabric Switch

Answer: A

NEW QUESTION 139

Cisco Fabric Extender Technology is based on which IEEE standard?

- A. 802.1BR
- B. 802.1 AX
- C. 802.1AB
- D. 802.1BA

Answer: A

NEW QUESTION 143

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 147

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 148

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 153

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 155

Which of the following is a Fiber channel over Ethernet protocol that manages login/logout process?

- A. FIP
- B. iSCSI
- C. SSH
- D. NFS

Answer: A

NEW QUESTION 159

Which three are the three primary methods to configure Cisco UCS B-Series systems? (Choose three.)

- A. SNMP
- B. XML API
- C. UCS Manager GUI
- D. IPMI
- E. UCS Manager CLI
- F. CIM-XML

Answer: BCE

NEW QUESTION 163

Which three items in Cisco Unified Computing System are subject to finite state machine validation? (Choose three.)

- A. SNMP get
- B. local login
- C. server discovery
- D. firmware downloads
- E. server boot
- F. backup jobs

Answer: CDF

NEW QUESTION 167

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

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

Answer: A

NEW QUESTION 170

What are the three basic states of an Ethernet interface on a Cisco Unified Computing System Fabric Interconnect? (Choose three.)

- A. unconfigured
- B. enabled
- C. disabled
- D. uplink
- E. server
- F. errdisabled

Answer: ADE

NEW QUESTION 175

Which three are components of the Cisco Unified Computing System 2104 I/O Module? (Choose three.)

- A. multiplexer
- B. chassis management console
- C. chassis management switch
- D. finite state machine
- E. chassis management controller

Answer: ACE

NEW QUESTION 176

Which component of Cisco UCS B-Series is also referred to as a FEX?

- A. UCS 5108
- B. UCS 2104XP
- C. UCS 6248UP
- D. UCS 6120
- E. UCS MK72-KR

Answer: B

NEW QUESTION 181

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 183

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 184

Refer to the exhibit.

Mod	Ports	Module-Type	Model	Status
1	0	Virtual Supervisor Module	Nexus1000V	active *
3	248	Virtual Ethernet Module NA ok		
4	248	Virtual Ethernet Module NA ok		

Mod	Sw	Hw	World-Wide-Name(s) (WWN)
1	4.0(4)SV1(1)	0.0	--
3	NA	0.0	--
4	NA	0.0	--

Mod	MAC-Address(es)	Serial-Num
1	00-19-07-6c-5a-a8 to 00-19-07-6c-62-a8	NA
3	02-00-0c-00-03-00 to 02-00-0c-00-03-80	NA
4	02-00-0c-00-04-00 to 02-00-0c-00-04-80	NA

Mod	Server-IP	Server-UUID	Server-Name
1	172.18.217.180		esx-1
3	172.18.117.44	487701ee-6e87-c9e8-fb62-001a64d20a20	esx-2
4	172.18.217.3	4876efdd-b563-9873-8b39-001a64644a24	esx-3

Which command on the Cisco Nexus 1000v returns the displayed results?

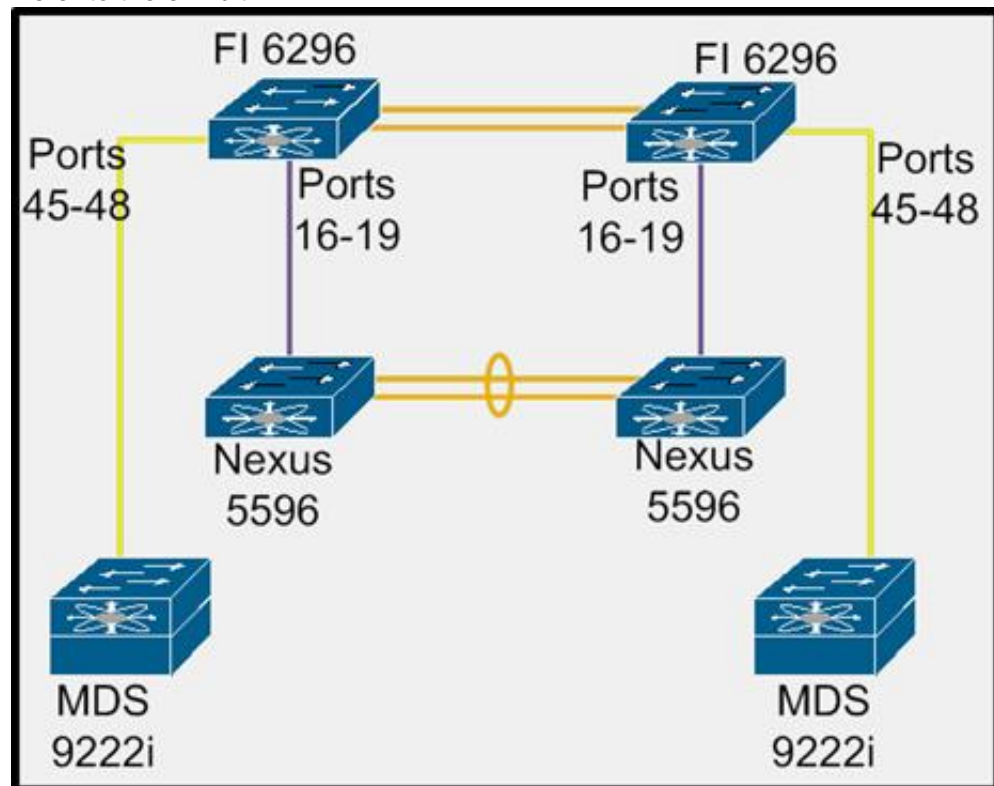
- A. show module
- B. show svs neighbor

- C. show interface brief
- D. show module vem map
- E. pingvem status

Answer: A

NEW QUESTION 187

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 191

A customer deployed Cisco B200 blades with service profiles. The customer experiences an outage on one of the Cisco B200 blades that will be replaced with a spare blade already in inventory. Which two steps should the customer take to replace the failed blade? (Choose two.)

- A. Disassociate the service profile from the failed blade.
- B. Associate the service profile to the spare blade.
- C. Create a new service profile for the spare blade.
- D. Delete the service profile from the spare blade.
- E. Create a new service profile template for the failed blade.

Answer: AB

NEW QUESTION 194

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 197

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 198

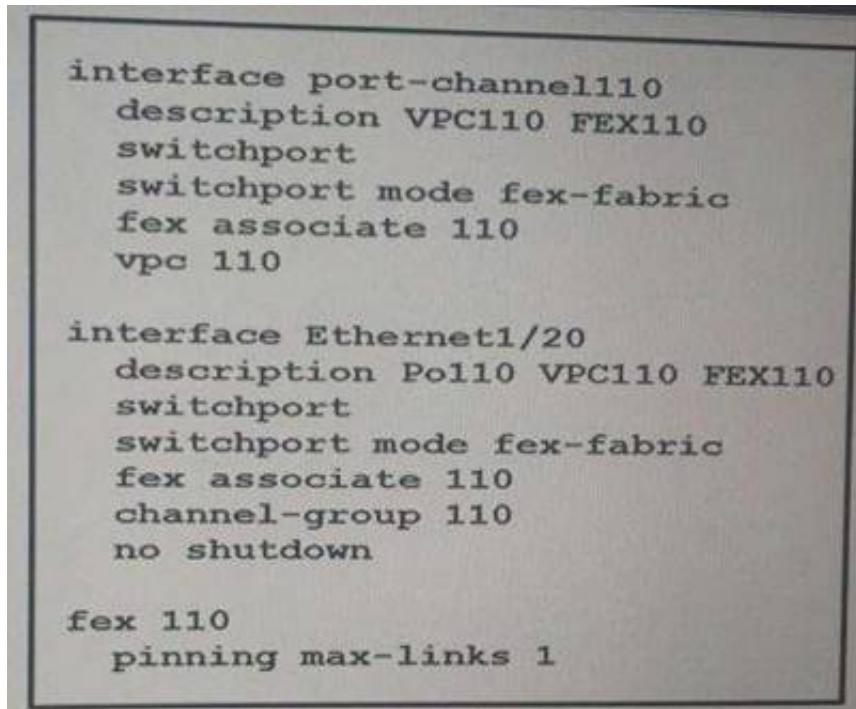
Which two actions do you perform when connecting a FEX to a parent switch? (Choose two.)

- 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 199

Refer to the exhibit



```
interface port-channel110
description VPC110 FEX110
switchport
switchport mode fex-fabric
fex associate 110
vpc 110

interface Ethernet1/20
description Po110 VPC110 FEX110
switchport
switchport mode fex-fabric
fex associate 110
channel-group 110
no shutdown

fex 110
pinning max-links 1
```

Which statement about the configuration is true?

- A. The FEX has two uplinks to a single core switch.
- B. Link down messages from the FEX are delayed.
- C. The FEX is attached to two parent switches.
- D. At least two uplinks to the FEX must be active for the FEX to come online.

Answer: D

NEW QUESTION 200

Which two devices are required when implementing FCoE? (Choose two.)

- A. Ethernet switch
- B. lossless Ethernet switch
- C. CNA
- D. FC switch
- E. virtual adapter

Answer: BC

NEW QUESTION 204

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

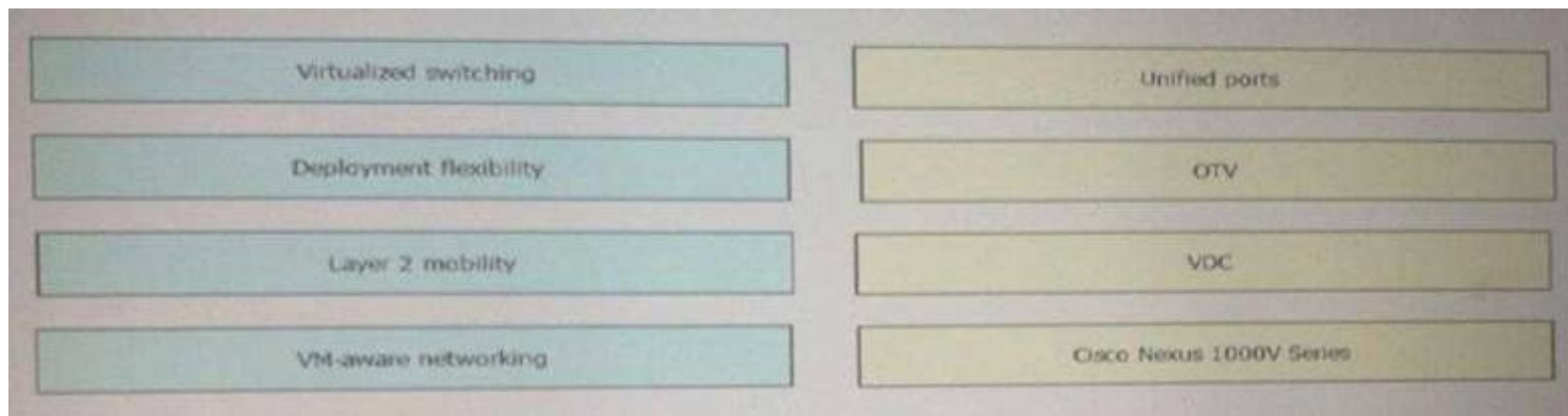
- A. It switches the data traffic within the hypervisor.
- B. It configures the interfaces.
- C. It controls the software of the DVS.
- D. It conveys the control and packet VLAN IDs.

Answer: A

NEW QUESTION 206

DRAG DROP

Drag the Cisco Unified Fabric feature characteristics from the left to the correct technology on the right.



Answer:

Explanation:



NEW QUESTION 208

Which description of OTV is true?

- A. It extends Layer 2 domains by tunneling traffic over an IP network.
- B. It encapsulates the entire Ethernet frame in a new Ethernet encapsulation.
- C. It extends Layer 3 domains across geographically disparate data centers.
- D. It encapsulates Layer 2 frames in the IP header by using stateful tunnels.

Answer: A

NEW QUESTION 213

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 default
- D. It is however, best practice is to configure separate roles for admin 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 218

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 220

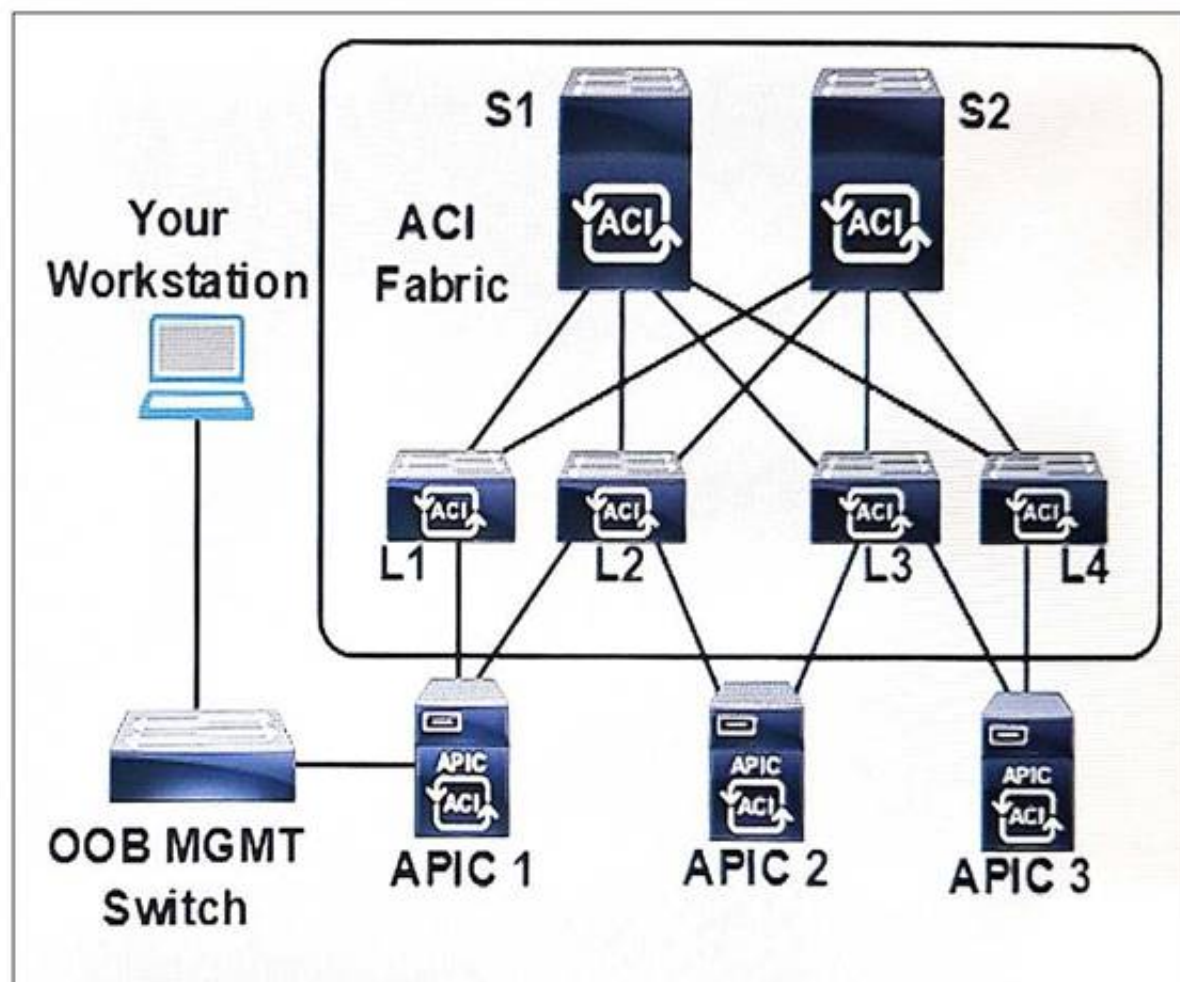
When configuring virtual PortChannels on Cisco Nexus switches, what does the vPC domain consist of?

- 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 223

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 224

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 226

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 231

The number of vNICs and vHBAs that can be defined on virtual interface cards in the servers that are connected to FEX is dependent on what?

- A. the number of HBA cards
- B. the number of VSANs
- C. the number of uplinks
- D. the number of FEX devices

Answer: D

NEW QUESTION 234

Refer to the exhibit.

```
!!!! Configuration form Switch A
vpc domain 1
  role priority 100
  peer-keepalive destination 172.16.31.35
source 172.16.31.34
  delay restore 150
  peer-gateway
  fabricpath switch-id 200
  ip arp synchronize

!!!! Configuration form Switch B
vpc domain 2
  role priority 100
  peer-keepalive destination 172.16.31.34
source 172.16.31.35
  delay restore 150
  peer-gateway
  fabricpath switch-id 200
  ip arp synchronize
```

Which option do you configure to correct the vPC configuration between two peer switches?

- A. unique role priority value
- B. unique fabricpath switch-id
- C. identical domain IDs
- D. identical peer-keepalive IP addresses

Answer: C

NEW QUESTION 236

What are two roles of a hypervisor in a data center? (Choose two.)

- A. provides management for physical network devices
- B. provides management for physical servers
- C. virtualizes bare-metal server resources and provides resources to virtual machines
- D. partitions physical servers into multiple virtual machines
- E. virtualizes network devices and provides resources to virtual devices

Answer: AC

NEW QUESTION 237

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 241

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 245

What is another term for data plane?

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

Answer: C

NEW QUESTION 246

Which technology maintains Fibre Channel virtual links between a pair of FCoE devices?

- A. ETS
- B. FLOGI
- C. PFC
- D. FIP

Answer: D

NEW QUESTION 249

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 251

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 256

Which statement about Cisco Nexus 1000V Series switches that operate inside VMware ESXi Hypervisors is true?

- A. A mobile virtual machine network policy is not provided.
- B. A disruptive operational model for your server virtualization and networking teams is provided.
- C. Mobile virtual machine security is not provided.
- D. Policy-based virtual machine connectivity is provided.

Answer: D

NEW QUESTION 257

Which Cisco UCS Manager account is the default user account, which cannot be deleted or modified?

- A. admin
- B. superuser
- C. super user
- D. root

Answer: A

NEW QUESTION 262

Which description of the connection between two fabric interconnects in a cluster configuration is true?

- A. must be connected directly by using any ports
- B. must be connected virtually
- C. must be connected directly by using Ethernet cables between L1-to-L2 and L2-to-L1 high- availability ports
- D. must be connected directly by using Ethernet cables between L1-to-L1 and L2-to-L2 high- availability ports

Answer: D

NEW QUESTION 265

Which option does a Cisco UCS B-Series half width blade server support?

- A. maximum of two local hard drives
- B. RAID 10 for SAS drives
- C. PCIe Fibre Channel adapters
- D. integrated optical drives

Answer: A

NEW QUESTION 270

You create a workflow to 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 274

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 276

Which description of the APIC REST API is true?

- A. uses Java to access the Cisco ACI fabric
- B. allows administrators to programmatically configure objects
- C. uses SNMP for POST and GET
- D. allows administrators to retrieve configurations in the CSV format

Answer: A

NEW QUESTION 281

Which description of the value of an API is true?

- A. provides the software used by developers to program applications
- B. controls specific cloud resources and their distribution
- C. defines the code used to program an application
- D. helps developers by simplifying the integration of applications

Answer: C

NEW QUESTION 282

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 287

Which physical connection rule must you follow when the Cisco ACI fabric is wired?

- A. A spine can connect to the access port of a leaf
- B. A spine can connect to a leaf
- C. A leaf can connect to a leaf
- D. A spine can connect to a spine.

Answer: B

NEW QUESTION 291

Which result occurs when communication fails between a VSM and a VEM?

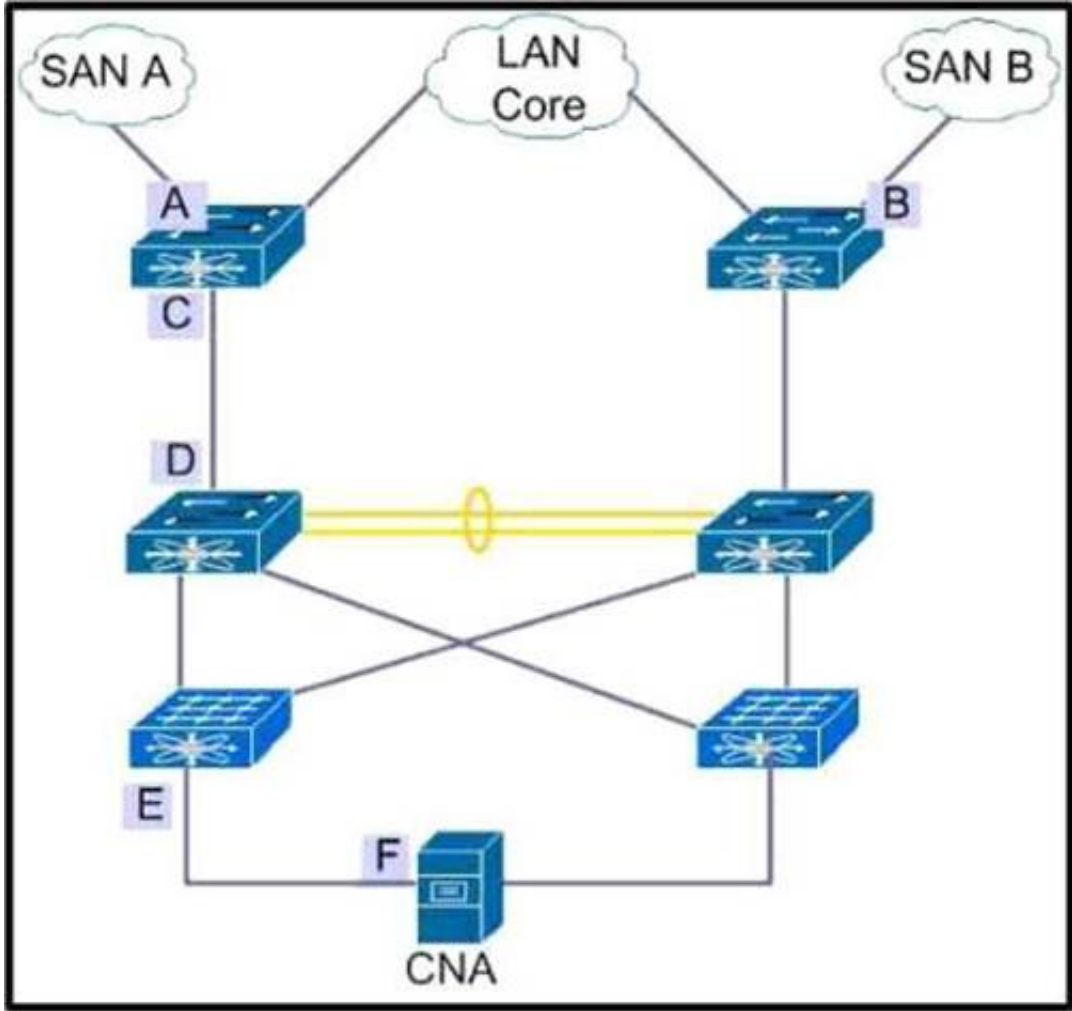
- A. The new active VSM broadcasts requests to all VEMs to switch to the new active VSM device.

- B. The VEM queries VMware vCenter for a new configuration.
- C. The VEM is disabled and an administrator must bring the VEM up.
- D. The VEM stops forwarding packets until communication to the VSM can be established.

Answer: A

NEW QUESTION 296

Refer to the exhibit.



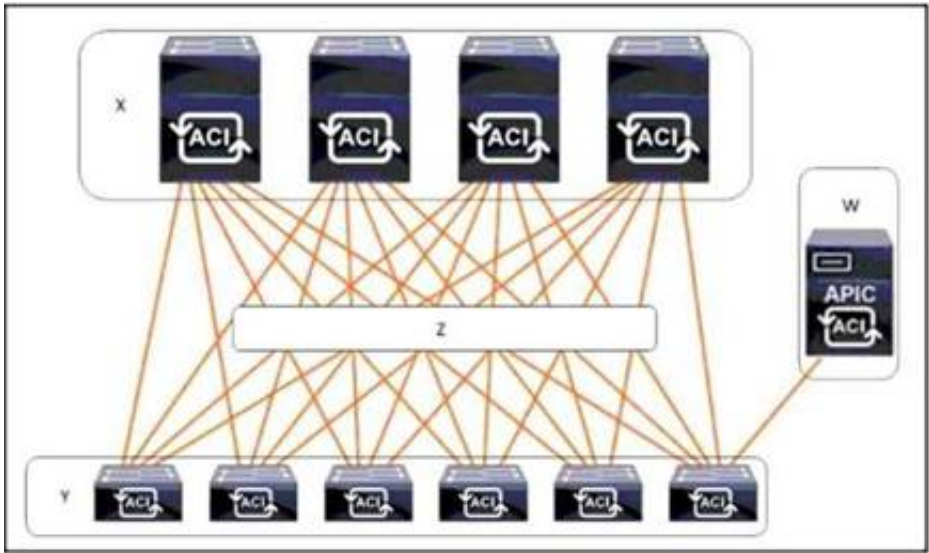
Which two ports are VE ports in this FCoE topology? (Choose two)

- A. Option
- B. Option
- C. Option
- D. Option
- E. Option
- F. Option

Answer: CD

NEW QUESTION 299

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

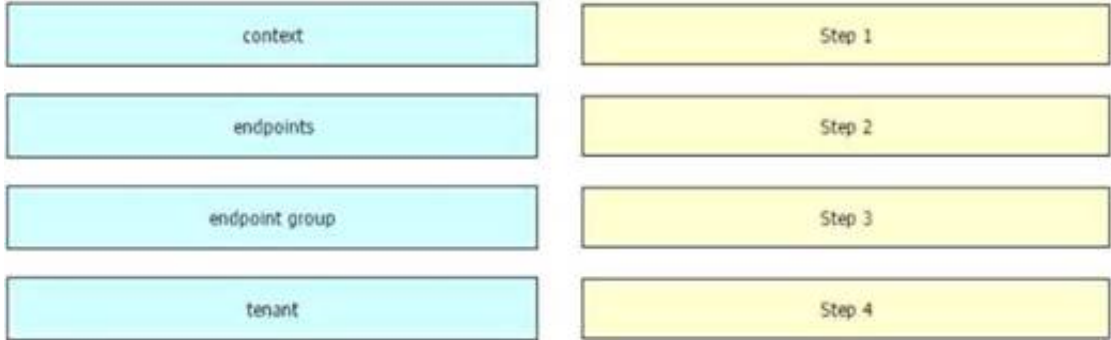
Answer: C

NEW QUESTION 303

DRAG DROP

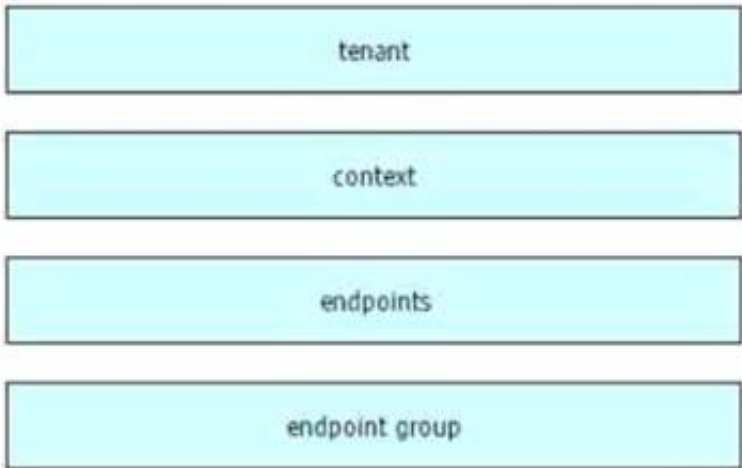
You must configure the logical constructs of a Cisco ACI policy model in the correct hierarchical order Drag and drop the constructs on the left to the correct order

on the right



Answer:

Explanation:



NEW QUESTION 307

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

100

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

<not set>

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 312

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 316

Which two descriptions of a virtual interface card are true? (Choose two.)

- A. consolidates SAN and LAN networks into a single network and increases the number of physical connectors
- B. physical network adapter that allows you to create multiple virtual NICs and HBAs

- C. can have unique adapter policies applied to each vNIC and each vHBA
- D. decreases total cost of ownership by physically separating traffic between multiple vNICs and vHBAs
- E. highly efficient and physically segments LAN and SAN traffic into different networks

Answer: CD

NEW QUESTION 319

Which two cloud types are deployment models used in cloud computing? (Choose two.)

- A. collapsed cloud
- B. hybrid cloud
- C. public cloud
- D. layered cloud
- E. automatic cloud

Answer: BC

NEW QUESTION 322

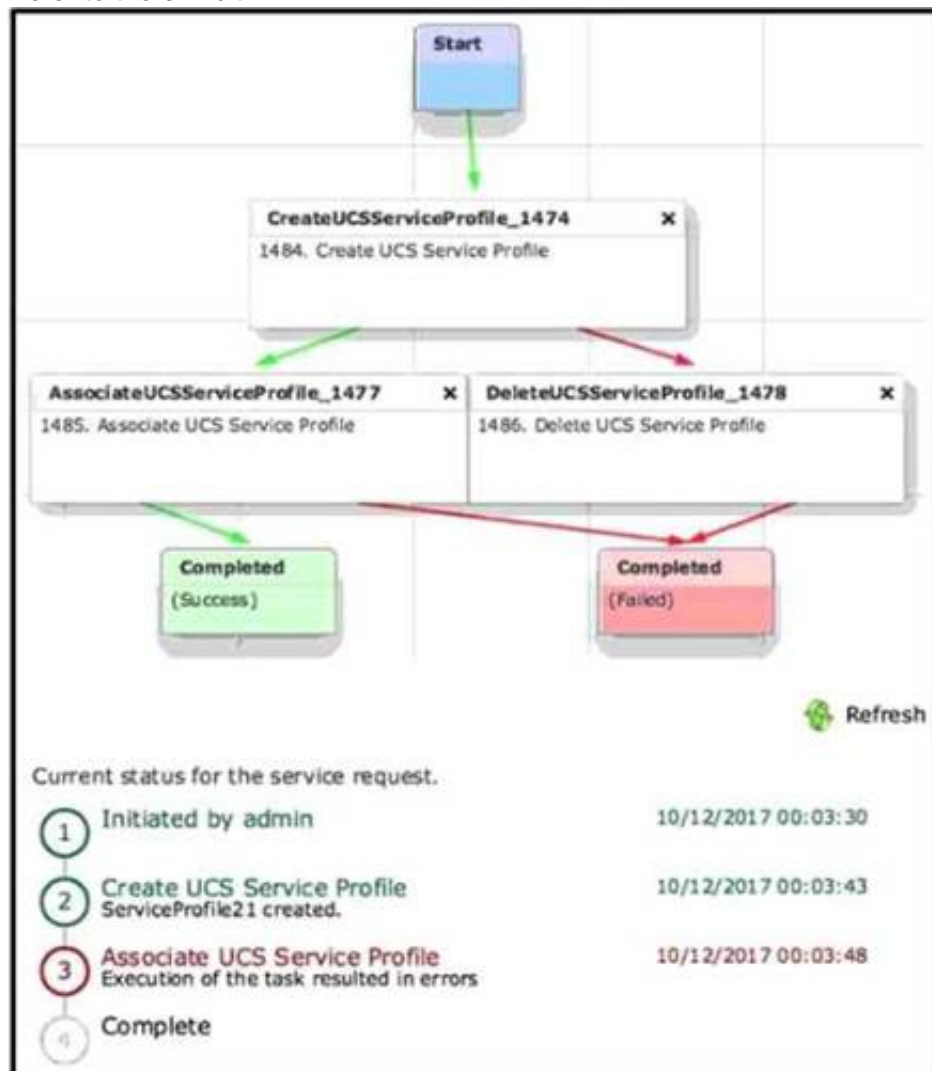
Which equipment policy is directly affected by the number of links between a fabric interconnect and an I/O module?

- 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 323

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 327

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 330

Which description of a Cisco Nexus 1000V VSM module is true?

- A. It runs over the data plane
- B. It is responsible for communications with VMware
- C. It provides a data plane of the 1000v system
- D. It is responsible for communications with VMware vCenter and the VEM configuration

Answer: D

NEW QUESTION 331

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