

200-155 Dumps

DCICT Introducing Cisco Data Center Technologies

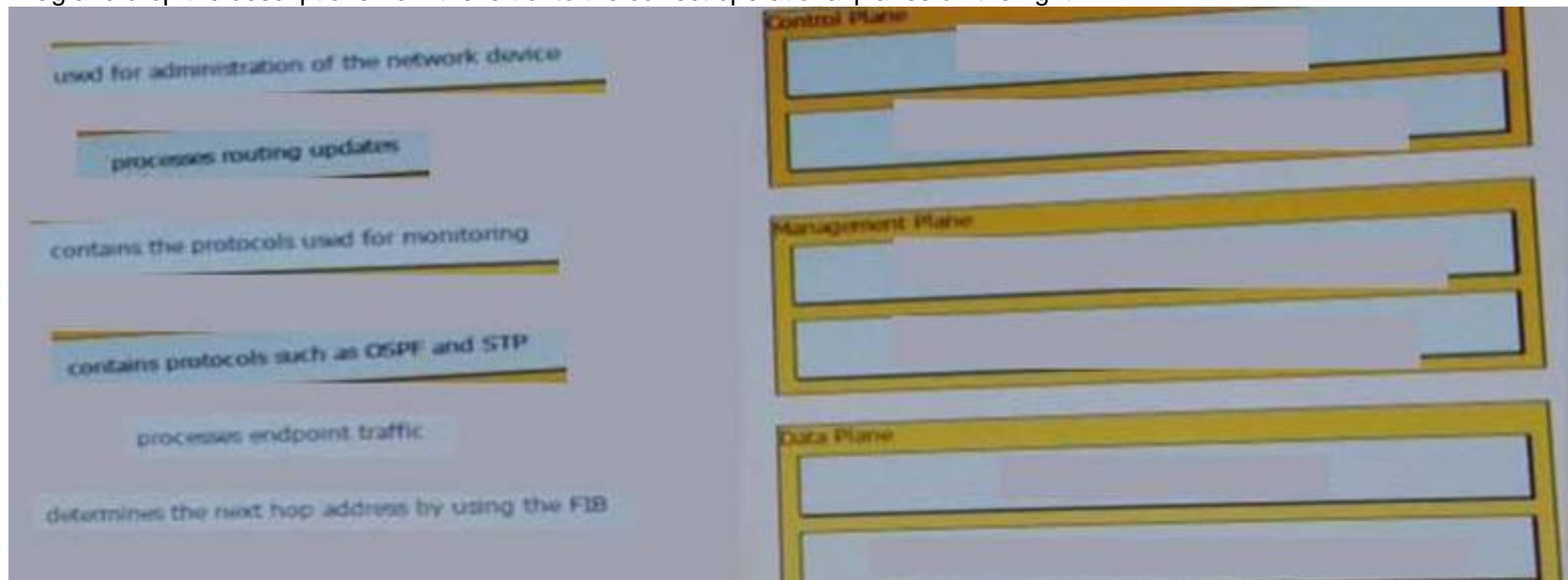
<https://www.certleader.com/200-155-dumps.html>



NEW QUESTION 1

DRAG DROP

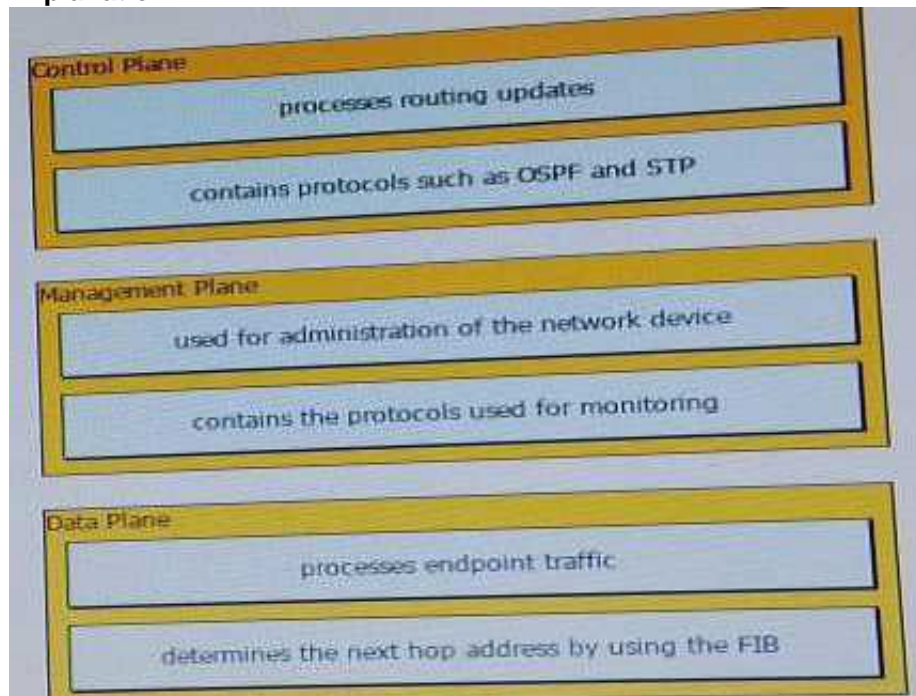
Drag and drop the descriptions from the left onto the correct operational planes on the right.



- A. Mastered
- B. Not Mastered

Answer: A

Explanation:



NEW QUESTION 2

Which virtualization feature is used to move VMs between two different ESXI hosts?

- A. Partitioning
- B. encapsulation
- C. hardware abstraction
- D. isolation

Answer: C

NEW QUESTION 3

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

- A. Only leaf switches are 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?

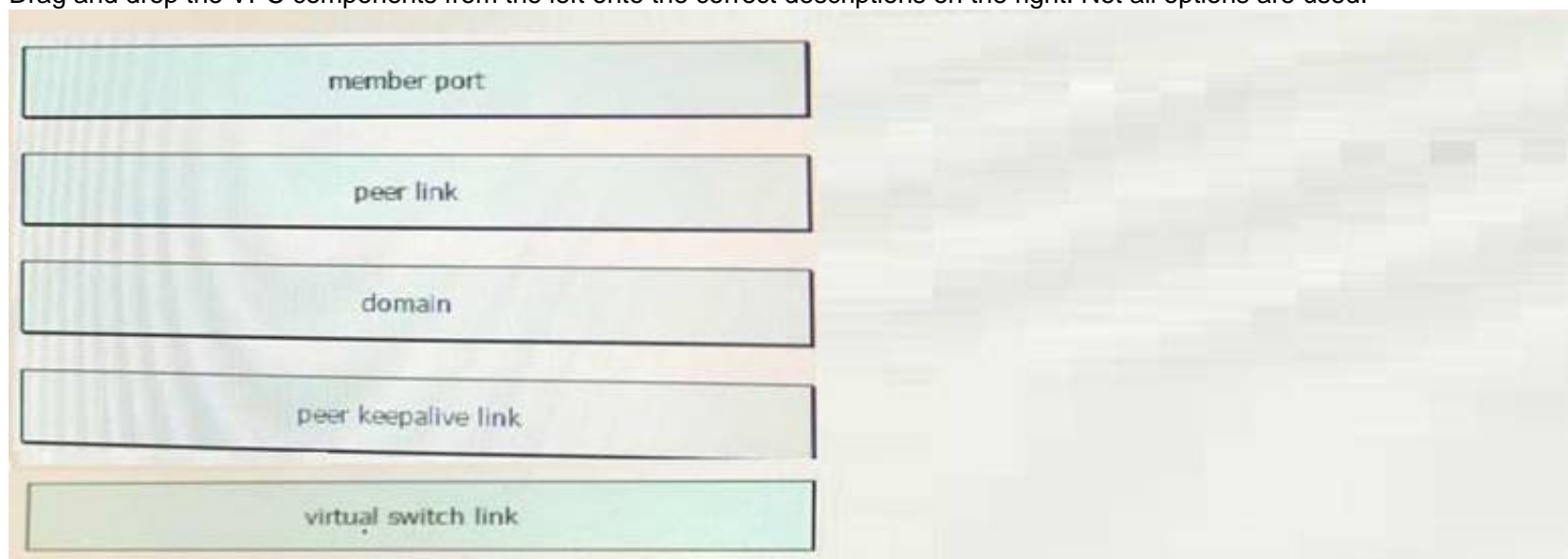
- A. configures fabric ports by using POAP
- B. creates STP topology for the fabric
- C. performs fabric discovery with LLDP
- D. performs fabric discovery with CDP

Answer: C

NEW QUESTION 5

DRAG DROP

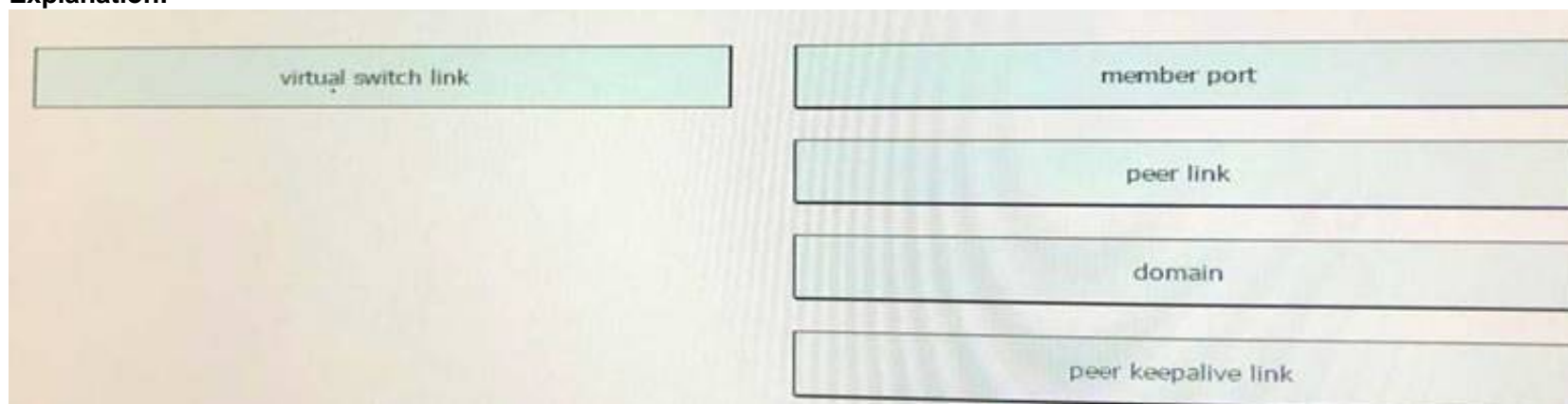
Drag and drop the VPC components from the left onto the correct descriptions on the right. Not all options are used.



- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

**NEW QUESTION 6**

In UCS Director, which objects are self-provisioned by using catalog items?

- A. VLANs
- B. virtual machines
- C. converged solutions
- D. physical servers

Answer: B

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

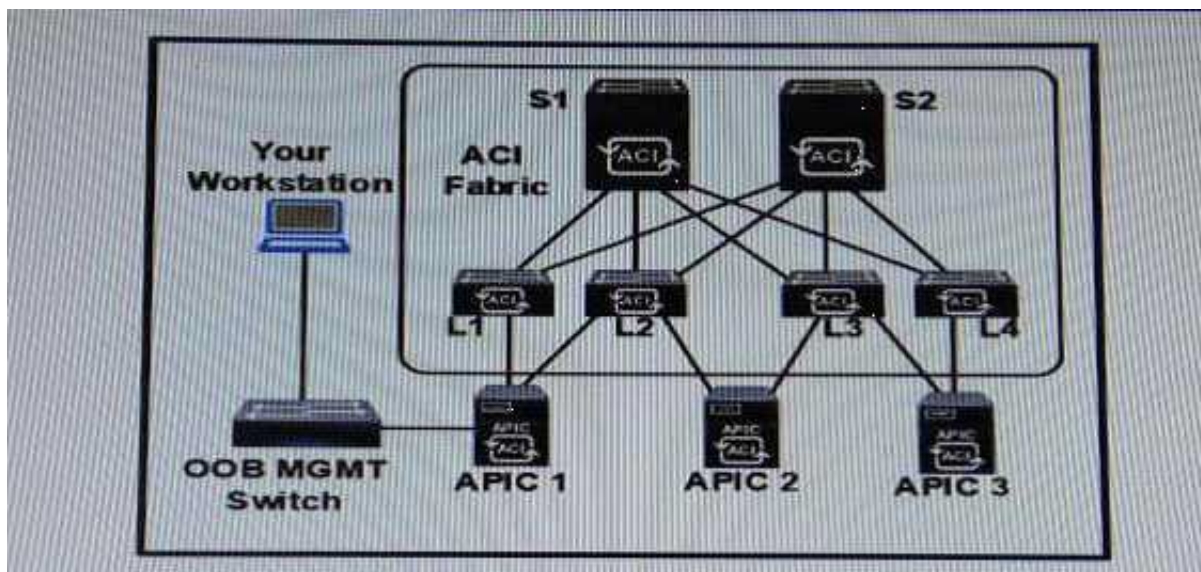
Which statement accurately describes NVGRE?

- 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 9

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 10

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 10

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 15

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 17

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 20

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 21

Which two Cisco Nexus 1000V Series Switch features exceed the functionality of the VMware 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 25

When using a Cisco UCS Director, a typical workflow consists of which two terms? (Choose Two)

- A. Resource Manager
- B. Workflow Designer
- C. Scheduler
- D. Activity Planner
- E. Predefined Tasks

Answer: BE

NEW QUESTION 29

Which model is a deployment model in cloud computing?

- A. automate cloud
- B. layered cloud
- C. private cloud
- D. collapsed cloud

Answer: C

NEW QUESTION 34

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 38

What are two advantages to running Fabric Path in the data center over using Spanning Tree? (Choose two.)

- A. provides multi chassis Ether Channel capabilities
- B. allows every switch to send BPDUs to each other to ensure the L2 topology is synchronized
- C. has L2 multipath forwarding capacities
- D. uses B02 1 q trunks to ensure VLANs are propagated through the topology
- E. uses TTL field to provide loop mitigation

Answer: CE

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 41

What are two main benefits of standardized open API's in a multi-vendor environment? (Choose two)

- A. automation
- B. clustering
- C. interoperability
- D. centralized management
- E. configuration management

Answer: AD

NEW QUESTION 44

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 47

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 49

Which option is a benefit of Unified Fabric Delivery to an IT organization?

- A. lower total cost of ownership
- B. reduced memory requirements
- C. increased storage capacity
- D. improved security

Answer: A

Explanation:

Cisco Unified Fabric is the interconnection point for applications, stored data, and users that can help you:

- Build an intelligent, high-performing infrastructure with multidimensional scalability for the data center network
- Simplify your data center architecture and reduce costs with LAN and SAN convergence, helping you reduce capital costs with fewer devices, simpler management, and more flexible configuration policies
- Create an open, programmable network backbone that is easier and faster to deploy and manage Reference:

http://www.cisco.com/c/dam/en/us/products/collateral/switches/nexus-7000-series-switches/at_a_glance_c45-617345.pdf

NEW QUESTION 52

Which tool organizes workflows to automate simple and complex actions on infrastructure?

- A. Cisco UCS Manager
- B. Cisco UCS Director
- C. Cisco DCNM
- D. Cisco UCS server

Answer: B

Explanation:

You can build Cisco UCS Director workflows to automate simple or complex provisioning and configuration processes.

Reference: [https://www1.cisco.com/c/en/us/td/docs/unified_computing/ucs/ucs-director/HP-OA-Mgt-](https://www1.cisco.com/c/en/us/td/docs/unified_computing/ucs/ucs-director/HP-OA-Mgt-Guide/6-0/b_Cisco_UCS_Director_HP_OA_Management_Guide_60/b_Cisco_UCS_Director_HP_OA_Management_Guide_60_chapter_010.html)

[Guide/6-0/b_Cisco_UCS_Director_HP_OA_Management_Guide_60/b_Cisco_UCS_Director_HP_OA_Management_Guide_60_chapter_010.html](https://www1.cisco.com/c/en/us/td/docs/unified_computing/ucs/ucs-director/HP-OA-Mgt-Guide/6-0/b_Cisco_UCS_Director_HP_OA_Management_Guide_60/b_Cisco_UCS_Director_HP_OA_Management_Guide_60_chapter_010.html)

NEW QUESTION 57

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 61

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 62

Layer 3 networks can be logically separated by which technology?

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

Answer: B

NEW QUESTION 64

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_rel502_n2_1/Cisco_n5k_nxos_sanswitching_config_guide_rel502_n2_1_chapter3.html

NEW QUESTION 65

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 67

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 |

- A. Mastered
B. Not Mastered

Answer: A

Explanation:

| |
|-------------|
| FEX |
| VM FEX |
| Chassis FEX |
| Adapter FEX |

NEW QUESTION 68

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 69

A UCS administrator has been tasked with creating a new server profile Which two pools can be used to assign Layer 2 interface information? (Choose two)

- A. Server
B. Mac Address
C. IP address
D. UUD
E. WWN

Answer: BE

NEW QUESTION 73

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 76

Which Layer 3 protocol is used within the ACI fabric?

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

Answer: C

NEW QUESTION 79

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 84

Which option describes the STP requirements for Cisco Fabric Path?

- A. MST must be configured on 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 85

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

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

Answer: CD

NEW QUESTION 87

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 88

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 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 93

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 94

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 98

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 Nevus 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 100

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 102

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 103

Refer to the exhibit below:

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

The figure shows CLI interface forVSAN 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 106

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 109

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 114

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 118

Which port is used for an interswitch connection between switches in a multihop FCoE scenario?

- A. NPort
- B. VFPort
- C. VN Pott
- D. VEPort

Answer: D

NEW QUESTION 119

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 122

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 123

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 128

What is the primary benefit of Cisco Global Load Balancing Solution?

- A. implements business continuity and disaster recovery by optimizing the DNS infrastructure
- B. encrypts data communication
- C. accelerates content delivery through a designated content cache engine
- D. adds resiliency to the core layer of a data center

Answer: A

NEW QUESTION 129

Alan is an IT administrator for an organization.

He needs to verify if all the port channels on Nexus 1000V Switch are enabled for LACP. Which command can be used to verify the same?

- A. show port-channel traffic
- B. show port-profile
- C. show port-channel summary
- D. show port-channel usage

Answer: C

NEW QUESTION 131

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 134

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 135

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 140

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 141

Which requirement is unique to service profile templates?

- A. VLAN
- B. VSAN
- C. pooled identities
- D. vNIC
- E. vHBA

Answer: C

NEW QUESTION 143

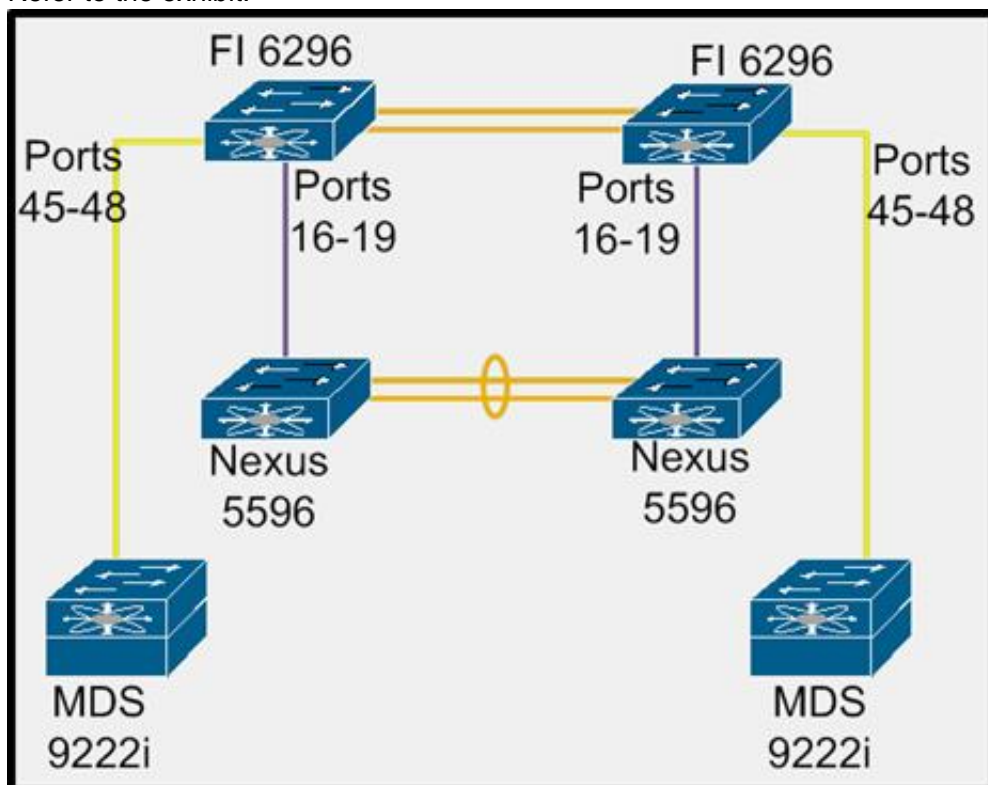
A SAN administrator recently added a new zone to the VSAN 2 zoneset named zoneset2, but the server is still unable to access the shared storage. What configuration will resolve this issue?

- 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 145

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 147

What is the benefit of virtual contexts in ACE for server load balancing?

- A. acts as several virtual appliances within a physical appliance
- B. compresses the data communication on ACE platforms
- C. integrates ACE gear with ASA firewalls for extra security

D. facilitates data communication encryption

Answer: A

NEW QUESTION 150

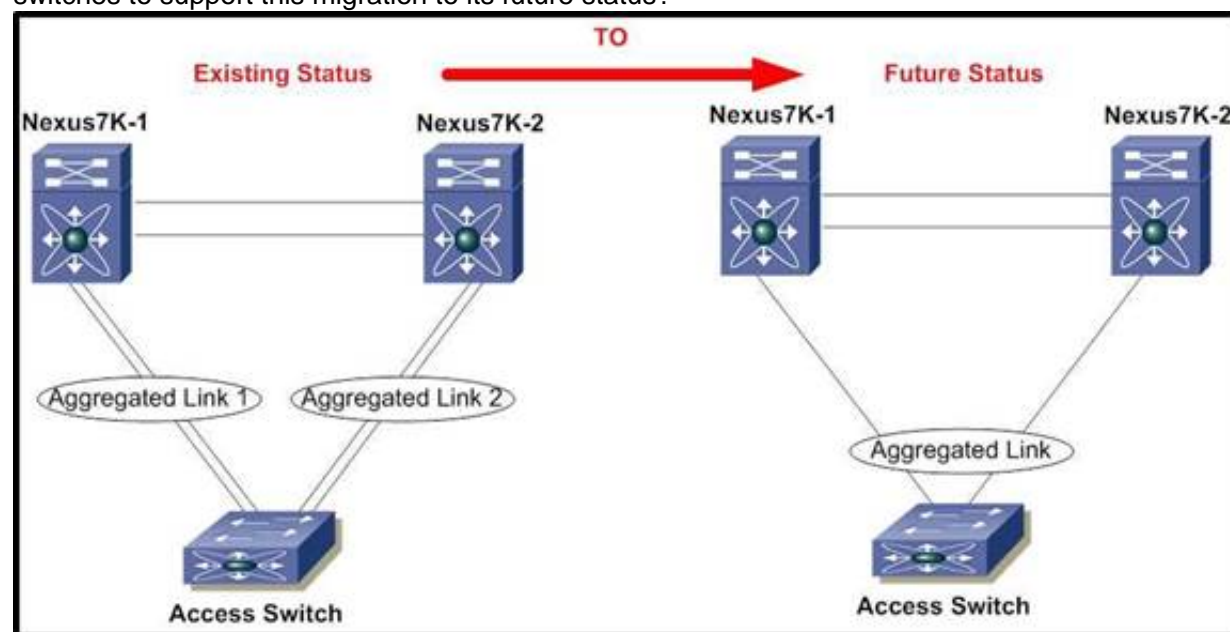
Which two options are two functions of the data center access layer? (Choose two.)

- 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 151

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 152

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 157

Which description of a VNTag is true?

- A. A VNTag is inserted between the source MAC address and the 802.1Q field.
- B. The VNTag is used to identify the service level that is granted to a frame.
- C. A VNTag is based on the destination MAC address and the 802.1Q field.
- D. A VNTag requires a Cisco Nexus 1000v Series Switch.

Answer: A

NEW QUESTION 159

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 161

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 163

DRAG DROP

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

| | |
|---------------------|--|
| virtual switch link | It contains interfaces that belong to a vPC. |
| peer keepalive link | It synchronizes states between vPC peer devices. |
| member port | It includes the vPC peer devices, the peer keepalive link, and all the vPCs. |
| domain | It monitors the vitality of a vPC peer switch. |
| peer link | |

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

1. Member port
2. Peer link
3. Domain
4. Peer keepalive link

NEW QUESTION 164

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 166

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 168

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 171

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 174

What are two functions of a Cisco UCS Fabric Interconnect in a Cisco UCS domain? (Choose two.)

- A. management
- B. comprehensive network analysis
- C. network connectivity
- D. traffic load balancing
- E. core fibre channel switching platform

Answer: AC

NEW QUESTION 175

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 177

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 181

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 184

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 188

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 192

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 196

What are three components of the Cisco ACI fabric? (Choose three.)

- A. core switch
- B. access switch
- C. Cisco DCNM
- D. leaf switch
- E. spine switch
- F. Cisco APIC

Answer: DEF

NEW QUESTION 197

Which two benefits of implementing multiple VDCs on a physical switch are true? (Choose two.)

- A. It simplifies the STP design.
- B. allows a physical port to be shared among multiple virtual Ethernet switches.
- C. It allows multiple logical switches to be created by using a single physical switch.
- D. It allows each VDC to run a different version of Cisco NX-OS.
- E. Faults are isolated and contained within the specific VDC.

Answer: BC

NEW QUESTION 198

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 202

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 203

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 206

You are creating a workflow by using the Workflow Designer in Cisco UCS Director. Which three tasks are preconfigured in the workflow by default? (Choose three.)

- A. Physical Network tasks
- B. Start
- C. Service Container tasks
- D. Completed (Success)
- E. Public Cloud tasks
- F. Completed (Failed)

Answer: BDF

NEW QUESTION 210

Which benefit is realized by using a fabric extender?

- A. improved data rates
- B. reduced routing complexity
- C. cut-through local, nonblocking switching
- D. central control and management by its parent switch

Answer: D

NEW QUESTION 212

Which plane does a router use to exchange topology information to build a routing table?

- A. back plane
- B. data plane
- C. control plane
- D. management plane

Answer: C

NEW QUESTION 213

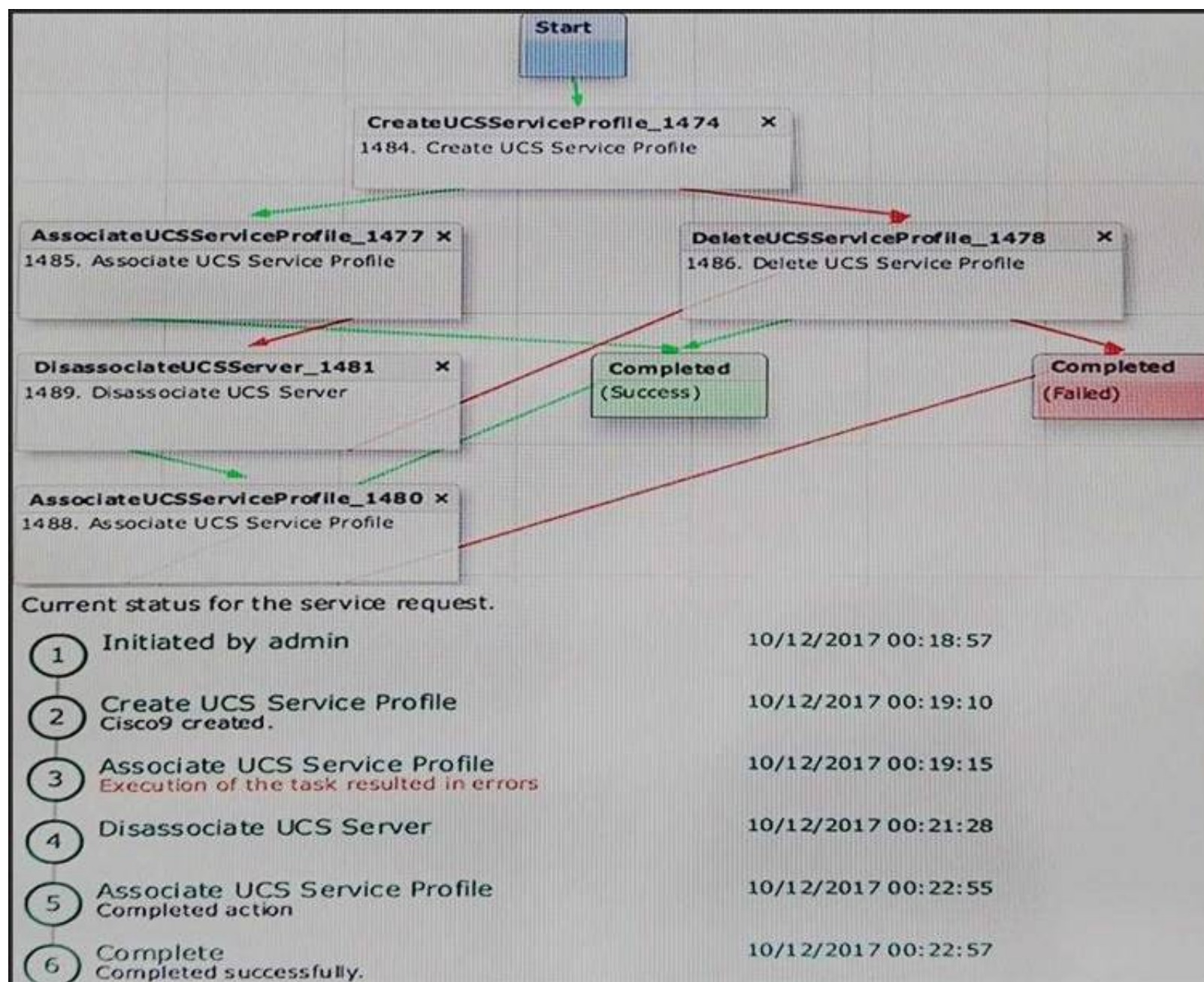
Which Cisco UCS Manager account is the default user account, which cannot be deleted or modified?

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

Answer: A

NEW QUESTION 216

Refer to the exhibit.



Which two description of the workflow are true? (Choose two.)

- A. It fails if the blade has an existing profile.
- B. It creates a service profile.
- C. It deletes the service profile after associating the profile to a server.
- D. It attempts to recreate the service profile if the initial attempt fails.
- E. It assigns a service profile to a blade

Answer: DE

NEW QUESTION 217

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 218

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 223

Which description of a VMM domain profile is true?

- A. specifies connectivity policies that enable Cisco ACI 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 224

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 228

Which statement regarding the use of a self-service catalog in Cisco UCS Director is true?

- A. It provides built-in automation for common tasks
- B. It discovers the logical topology of resources
- C. It creates reports for provisioned resources
- D. It allows users to order IT services

Answer: C

NEW QUESTION 232

DRAG DROP

Drag and drop the Cisco Unified Fabric feature characteristics on 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 |

- A. Mastered
- B. Not Mastered

Answer: A

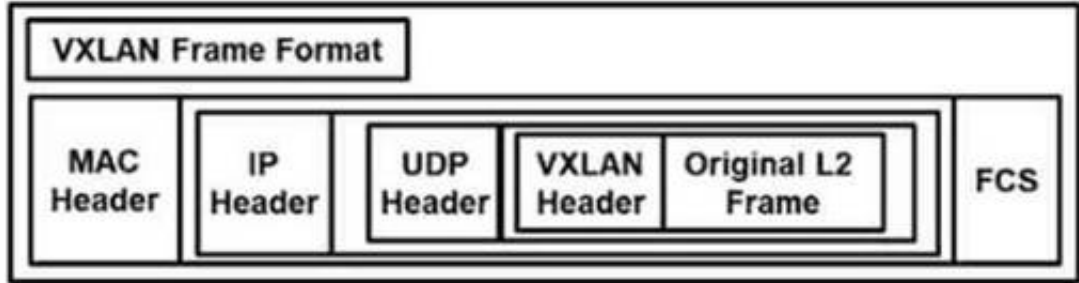
Explanation:

Layer 2 Mobility
Virtualized switching
VM-aware networking
Deployment flexibility

NEW QUESTION 237

DRAG DROP

Refer to the exhibit.



Drag and drop the headers from the left onto the correct descriptions of the header content on the right.

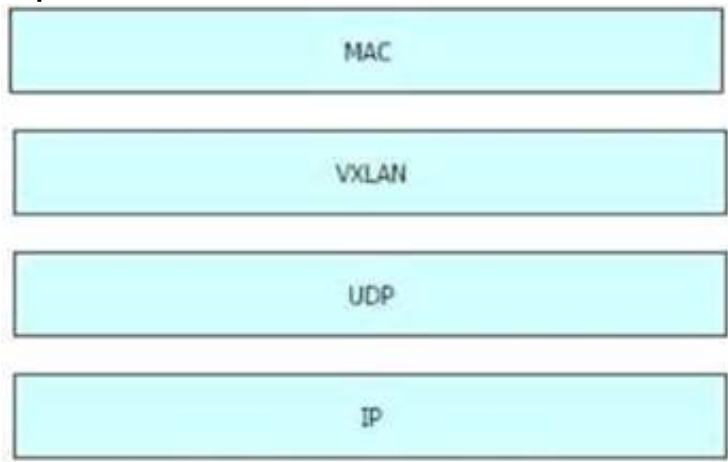
| | |
|-------|-----------------------------------|
| IP | contained in VTEP Layer 2 table |
| MAC | used to represent the VTEP |
| VXLAN | source port allocated by the VTEP |
| UDP | individual overlay |

- A. Mastered

B. Not Mastered

Answer: A

Explanation:



NEW QUESTION 242

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](#)

VSIAN: 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

State 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 246

DRAG DROP

Drag and drop the vPC components from the left onto the correct descriptions on the right.

| | |
|----------------|--|
| domain | defines a primary role |
| peer-gateway | supports nonstandard Layer 2 packet forwarding |
| peer-keepalive | used to forward BPDUs to the primary switch |
| peer-link | encompasses both peer switches |
| priority | addresses split brain scenarios |

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Peer gateway = Supports nonstandard layer 2 packet forwarding
Peer link = Used to forward BPDUs to the primary switch
Domain = Encompasses both peer switches
Peer Keepalive = Addresses split brain scenarios

Priority = defines a primary role

NEW QUESTION 250

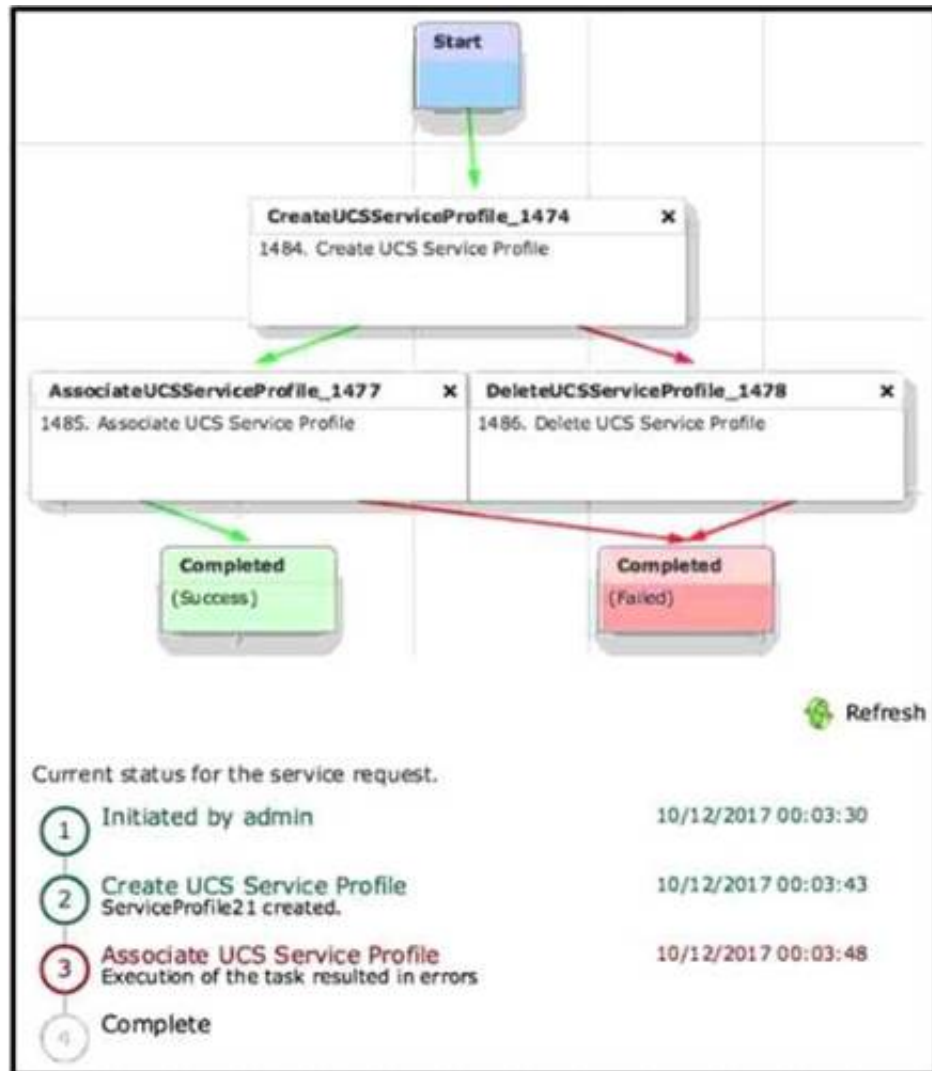
Which equipment policy is directly affected by the number of links between a fabric interconnect and an I/O module?

- 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 254

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 259

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 262

Which two types of ports can you configure when the port mode of the unified port on a fabric interconnect is set to Ethernet? (Choose two.)

- A. Fibre Channel storage
- B. appliance u server
- C. FEX
- D. Fibre Channel monitoring

Answer: A

NEW QUESTION 267

.....

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