

## Cisco.300-610.v2023-05-17.q85

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### NEW QUESTION: 1

An engineer is implementing a Cisco UCS environment. The system must aggregate all vNICs into a single policy and consistently enforce node disassociation across the cluster. Which two UCS policies meet these requirements? (Choose two.)

- A. vNIC policy
- B. boot policy
- C. scrub policy
- D. firmware policy
- E. LAN connectivity policy

Answer: A,E ([LEAVE A REPLY](#))

### NEW QUESTION: 2

A engineer wants to eliminate the manual process of checking the system hardware and firmware against a specified hardware compatibility tool. The tool must be able to manage an extensive list of devices including cisco HyperFlex, MDS, and Nexus switches. The tool must manage hardware in multiple data centers so it should be deployed on public cloud infrastructure. Which tool meets these requirements?

- A. Cisco data center network manager
- B. Cisco intersight
- C. Cisco UCS director
- D. Cisco tetration

Answer: ([SHOW ANSWER](#))

### NEW QUESTION: 3

A company runs mission -critical infrastructure in a single data center. Due to business growth It plans to open more data center in the coming years. A network engineer is asked to recommend a network technology for data center interconnection that allows scalability and seamless VM mobility while providing maximum security and fault isolation between data center. Which technology must be used to meet these requirements?

- A. UDLD
- B. Cloudsec
- C. OTV
- D. Trustsec

Answer: ([SHOW ANSWER](#))

**NEW QUESTION: 4**

An engineer is implementing management access to a Cisco Nexus platform. The customer requires a solution that provides isolation between the data and control planes. In addition to management that uses encryption and authentication. The customer will manage the device using both IPv4 and IPv6. Which two components should be used to meet these requirements (Choose two.)

- A. SVI interface
- B. SSM protocol
- C. SNMP
- D. Telnet protocol
- E. mgmt0 interface

**Answer: C,E ([LEAVE A REPLY](#))**

We are talking about management only, so SSM is out. Since we need to separate between data and control plane, we should use mgmt0 interface, so SVI interface is out. Since we need to use encryption and authentication, this can be done in SNMPv3, while telnet does not support encryption, so telnet is out.

**NEW QUESTION: 5**

A network engineer is using a Cisco UCS environment connected to a Fibre Channel storage array. The Cisco UCS environment must be connected to an existing SAN network, and several Cisco MDS 9000 Series Switches must be added to increase storage density. The solution must not exhaust the SAN network from the list of available domain IDs after connecting Also, most of the SAN traffic must be mapped from the Cisco UCS blades to a specific group of the fabric interconnect ports Which two features must be deployed to meet these requirements? (Choose two.)

- A. end host mode
- B. N-Port ID virtualization
- C. dynamic port pinning
- D. static PIN grouping
- E. priority flow control

**Answer: A,B ([LEAVE A REPLY](#))**

**NEW QUESTION: 6**

A network consultant proposes that the configuration of the Cisco UCS servers be based on service templates to facilitate the UCS infrastructure operation. The service profiles must remain connected to the template and be modified when the template settings are changed.

Which configuration meets these requirements?

- A. service profile with type set to Global
- B. service profile with type set to Local
- C. service profile template with type set to Initial
- D. service profile template with type set to Updating

**Answer: D ([LEAVE A REPLY](#))**

**NEW QUESTION: 7**

An engineer must interconnect customer data centers by using a 10-Gbps. unicast-only, Layer 3 circuit The requirement is to stretch the Layer 2 connection over the tunnel isolate STP traffic and create more than two million logical network segments Much solution meets these requirements?

- A. IPsec over GRE
- B. dark fiber
- C. VXLANEVPN
- D. OTV

**Answer: A** ([LEAVE A REPLY](#))

**NEW QUESTION: 8**

An engineer seeks a solution to retrieve routing information from Cisco Nexus switches. The data must be exported to a web application in a JSON or XML data format for monitoring and must be encrypted during transmission. The solution must not require extensive knowledge to support and should be simple to implement.

Which technology accomplishes these goals?

- A. NX-API
- B. streaming telemetry
- C. Python scripts
- D. Cisco Tetration

**Answer: (**[SHOW ANSWER](#)**)**

**NEW QUESTION: 9**

What influences the number of ISLs that are required between Cisco MDS Series switches?

- A. type of storage
- B. N Port virtualization
- C. end-to-end oversubscription ratio
- D. FCoE protocol

**Answer: (**[SHOW ANSWER](#)**)**

**NEW QUESTION: 10**

An engineer must configure an interface for managing and orchestrating a Cisco Nexus device. The interface must be operational if the data and control planes crash, support IPv4 and IPv6 addressing, and have been access to its own VRF instance. Which interface should be used to meet these requirements?

- A. management interface
- B. Physical interface
- C. interface VLAN
- D. lookup

**Answer: A** ([LEAVE A REPLY](#))

**NEW QUESTION: 11**

A company purchased a Cisco UCS system with four 5108 Chassis populated with UCS B-Series servers. The environment consists of nine Cisco HyperFlex rack servers. An engineer must provision virtual machines using an orchestration tool to optimize overall deployment time.

Which orchestration must be used to meet this requirement?

- A. Cisco Intersight
- B. Cisco AppDynamic
- C. Cisco Network Assurance
- D. Cisco DNA Center

**Answer: A** ([LEAVE A REPLY](#))

**NEW QUESTION: 12**

An engineer is expanding an existing iSCSI environment and must choose an addressing scheme. When checking one of the devices, the engineer discovers this target device naming used

{prefix}. 2019-01.com.acme.123:00. ftd0cb21.bcb389458389

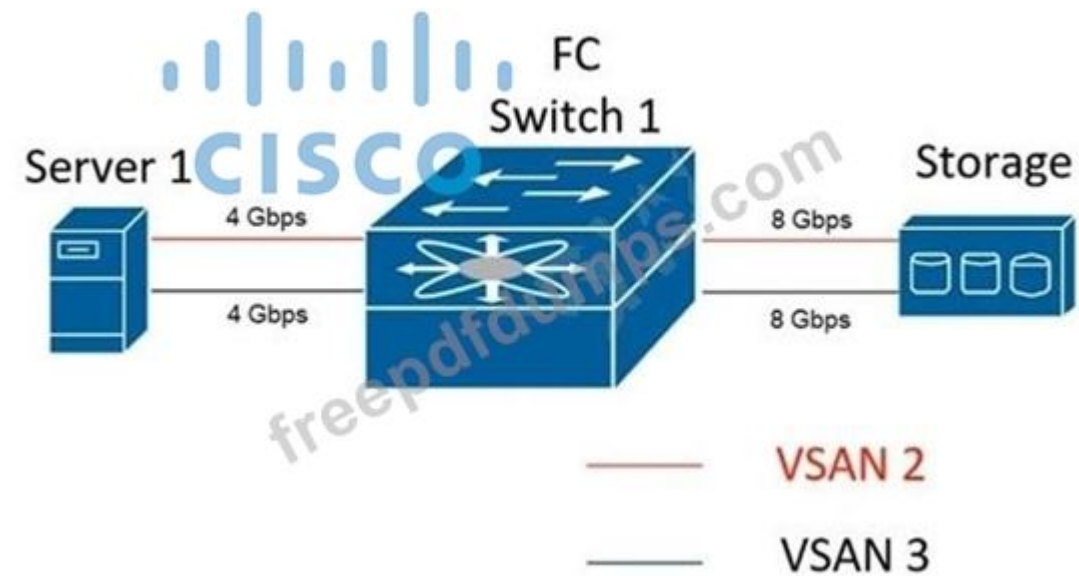
Which addressing scheme was used in the environment?

- A. Network Address Authority
- B. ISCSI Qualified Name
- C. Fibre Channel ID
- D. Extended Unique identifier

Answer: B ([LEAVE A REPLY](#))

#### NEW QUESTION: 13

Refer to the exhibit.



Server 1 fails to connect to the storage array over the Storage Area Network (SAN) of the Cisco NDS 9000 Series Switch. The requirements are to redesign the storage network and keep these considerations in mind:

The traffic from each of the server must be redundant and isolated.

The design must tolerate hardware and software failures and upgrades of SAN fabric devices.

Which action must be taken to meet these requirements?

- A. Place an additional Fibre Channel switch to create two physically independent storage fabrics.
- B. Add an additional supervisor to the Fibre Channel switch to support nondisruptive upgrades.
- C. Create a SAN port channel that faces the storage device to sustain a link failure.
- D. Enable NPV and F-Port-channel on ports that face Server 1 on the Fibre Channel switch to create redundant paths.

Answer: D ([LEAVE A REPLY](#))

#### NEW QUESTION: 14

An engineer deploys LISP VM mobility. Which feature is configured on the interfaces that have VM mobility enabled?

- A. IP redirects
- B. proxy ARP
- C. HSRP
- D. flow control

Answer: ([SHOW ANSWER](#))

#### NEW QUESTION: 15

An engineer must design Layer 2 connectivity for a subnet between two data centers. The engineer must ensure seamless host mobility and optimal first-hop routing. Which attribute must be synchronized across all data centers to achieve this goal?

- A. NX-OS version
- B. anycast gateway MAC
- C. DCNM to manage both fabrics
- D. multicast group

**Answer: B** ([LEAVE A REPLY](#))

#### NEW QUESTION: 16

A network engineer must perform a VMM integration for the VMWare vCenter platform with the Cisco ACI Fabric. The vCenter is already installed in one of the rack servers connected to ACI leaf switches in a vPC mode. Which type of management network must be used to integrate vCenter with ACI?

- A. ARC infra
- B. VLAN infra
- C. out-of-band management
- D. In-band management

**Answer: C** ([LEAVE A REPLY](#))

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#### NEW QUESTION: 17

A network administrator must create a redundant vHBA for the mission-critical virtual machines (VMs) installed on a Cisco UCS Fabric Interconnect blade server. The VMs access multiple datastores using VSAN55 and VSAN95. The datastore on which the VMs are hosted must be accessible if any of the uplinks goes offline. Which action meets these requirements?

- A. Attach VSAN55 to vHBA1 and VSAN95 to vHBA2.
- B. Enable failover for the vHBA with VSAN55 and VSAN95 enabled.
- C. Configure load-balancing for vHBAs with VSAN55 and VSAN95 attached.
- D. Assign VSAN55 and VSAN95 to vHBA1 and vHBA2.

**Answer: A** ([LEAVE A REPLY](#))

#### NEW QUESTION: 18

A customer requires a tool to manage Cisco network hardware. The solution must use secure communication using a secure network protocol, support the use of declarative language to manage the state of resources, and periodically pull changes to the controlled nodes. Which tool meets these requirements?

- A. Ansible
- B. SaltStack
- C. Puppet
- D. Nomir

**Answer: (SHOW ANSWER)**

#### NEW QUESTION: 19

Which element is the main functional component of the architecture that separates the internal fabric and the external network that connects sites when VXLAN EVPN is deployed multisite?

- A. service leaf
- B. service gateway
- C. border gateway
- D. border leaf

Answer: C ([LEAVE A REPLY](#))

**NEW QUESTION: 20**

An engineer must connect an existing Cisco Fabric Interconnect to an IP-based storage array. The connection be a channel made directly between the fabric interconnect expansion module and the storage array. The engineer must also consider that the environment is running FCoE for storage and uses QoS to prioritize traffic. Which port type should be used to meet these requirements?

- A. Network
- B. Uplink
- C. Appliance
- D. server

Answer: C ([LEAVE A REPLY](#))

<https://www.cisco.com/c/en/us/support/docs/servers-unified-computing/ucs-5100-series-blade-server-chassis/116075-ucs-app-connectivity-tshoot-00.html>

**Definition of a Unified Storage Port**

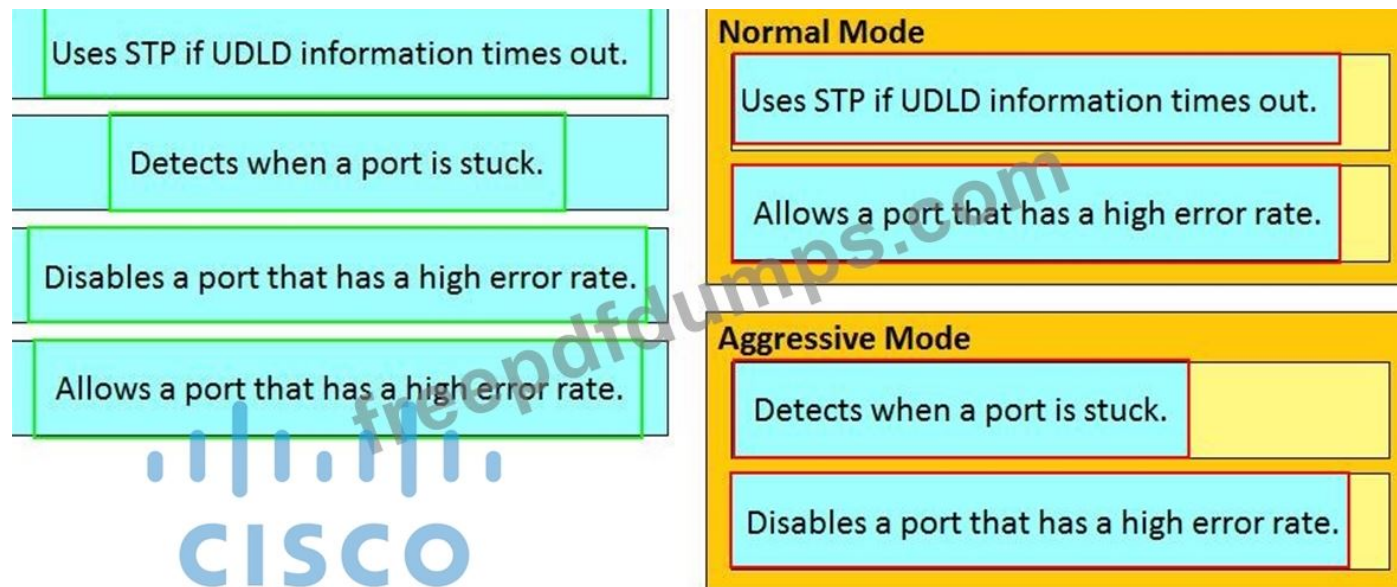
Prior to UCS Release 2.1(1a), **appliance ports only worked for IP-based storage traffic**, such as the Network File System (NFS) and the Internet Small Computer System Interfaces (iSCSIs). In UCS Releases 2.1(1a) and later, the ability for both IP-based storage and Fibre Channel over Ethernet (FCoE) to be used on the same interface was added. This type of interface is called a *Unified Storage* port. In order to use this feature, the storage controller must have a Converged Network Adapter (CNA) that is capable of FCoE and traditional Ethernet on the same port.

**NEW QUESTION: 21**

Drag the appropriate from the left onto the current UDLD modes of operation on the right.

Uses STP if UDLD information times out.	<b>Normal Mode</b>  
Detects when a port is stuck.	
Disables a port that has a high error rate.	<b>Aggressive Mode</b>  
Allows a port that has a high error rate.	

Answer:



**NEW QUESTION: 22**

A Cisco UCS instance has four interfaces on a UCS VIC. Where on the fabric interconnect does each interface terminate?

- A. port channel
- B. physical port
- C. virtual interface
- D. vPC

Answer: C ([LEAVE A REPLY](#))

**NEW QUESTION: 23**

What are two characteristics of VRF-Lite on the Cisco NX-OS platform? (Choose two.)

- A. Layer 3 interfaces can belong to multiple VRFs.
- B. VRF-Lite interfaces support MPLS.
- C. VRF-Lite interfaces can be Layer 2.
- D. Overlapping IP addresses are permitted on different VRFs.
- E. Interfaces that belong to VRFs can be physical or logical.

Answer: ([SHOW ANSWER](#))

**NEW QUESTION: 24**

An engineer needs an orchestration and monitoring tool that should be used for managing the storage networks and VXLAN fabrics. The tool should also allow support built-in dashboard and real-time health summary for managed devices. Which tool meets these requirements?

- A. Cisco DCNM
- B. Puppet
- C. Cisco Intersight
- D. Ansible

Answer: ([SHOW ANSWER](#))

**NEW QUESTION: 25**

Which orchestration tool should be used for the management and analytics of servers across multiple sites?

- A. Cisco UCS Manager
- B. Cisco Data Center Network Manager
- C. Cisco Intersight
- D. Cisco Nexus Fabric Manager

Answer: C ([LEAVE A REPLY](#))

**NEW QUESTION: 26**

Which two configurations allow for routing traffic between two VDCs? (Choose two.)

- A. Connect the VDCs to an external Layer 3 device.
- B. Cross-connect the ports between the VDCs.
- C. Create VRF-aware software infrastructure interfaces.
- D. Create a policy map in the default VDC that routes traffic between the VDCs.
- E. Create interfaces in the VDC that can be accessed by another VDC.

Answer: A,D ([LEAVE A REPLY](#))

The Cisco NX-OS software does not support direct communication between VDCs on a single physical device. You must make a physical connection from a port allocated to one VDC to a port allocated to the other VDC to allow the VDCs to communicate.

**NEW QUESTION: 27**

A customer needs a design for a new data center network that meets these requirements:

Logically partition the environment into separate security domains.

Cut costs related to purchasing additional equipment.

Separate routing processes, TCAM, QoS tables, and data planes.

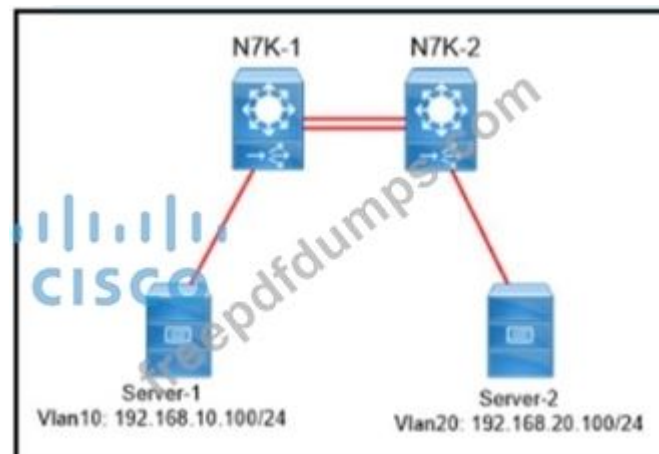
Which technology must be used?

- A. VDC
- B. VRF
- C. vPC
- D. VLAN

Answer: A ([LEAVE A REPLY](#))

**NEW QUESTION: 28**

Refer to the exhibit.



A system administrator needs a solution to manage random packet drops between two Cisco UCS C240 M4 servers. The servers are connected to a pair of Cisco Nexus 7009 switches using 10G fibre interfaces. Both servers are generating too many east-west traffic flows from TCP-based applications, which causes significant latency that impacts the customer. Also, the transfer of files from Server-1 to Server-2 larger than 10 GB results in multiple retransmits. Which design solution resolves this issue?

- A. Apply rate-limit on the server 1 VLAN interface per application flow.
- B. Connect both servers in the same VLAN.
- C. Add a second uplink to each server NIC.
- D. Increase the amount of memory in both servers.

**Answer: B** ([LEAVE A REPLY](#))

#### NEW QUESTION: 29

A network consultant evaluates the Cisco UCS Fabric Interconnect SAN configuration, which must meet these requirements:

All traffic must pass over the upstream device for switching and domain IDs must be preserved in the fabric.

Each server should be pinned to one designated upstream interface and for the traffic to pass through the pinned port.

Which Fabric Interconnect SAN operational mode meets these requirements?

- A. end host
- B. switch
- C. Fibre Channel
- D. NPIV

**Answer: B** ([LEAVE A REPLY](#))

#### NEW QUESTION: 30

What is a design consideration when implementing FSPF?

- A. Routes are based on the distance vector protocol.
- B. FSPF runs only on F Ports.
- C. FSPF runs on a per-chassis basis.
- D. Routes are based on the domain ID.

**Answer: D** ([LEAVE A REPLY](#))

#### NEW QUESTION: 31

A company has several data centers with hundreds of Cisco UCS blade chassis. A network consultant plans to activate Cisco Discovery Protocol to the servers to facilitate Layer 1 troubleshooting. For security reasons, the company wants to restrict the servers from sending different MAC addresses to the fabric interconnect after the MAC address from the first packet is learned. Which two policies should be modified to support this design? (Choose two.)

- A. Pin Group Policy
- B. Network Control Policy
- C. vNIC Policy
- D. vNIC Template Policy
- E. Ethernet Adapter

**Answer: (SHOW ANSWER)**

[https://www.cisco.com/c/en/us/td/docs/unified\\_computing/ucs/ucs-manager/GUI-User-Guides/Network-Mgmt/4-0/b\\_UCSM\\_Network\\_Mgmt\\_Guide\\_4\\_0/b\\_UCSM\\_Network\\_Mgmt\\_Guide\\_4\\_0\\_chapter\\_01010.html](https://www.cisco.com/c/en/us/td/docs/unified_computing/ucs/ucs-manager/GUI-User-Guides/Network-Mgmt/4-0/b_UCSM_Network_Mgmt_Guide_4_0/b_UCSM_Network_Mgmt_Guide_4_0_chapter_01010.html)

<https://jeremywaldrop.wordpress.com/2010/05/03/how-to-enable-cdp-on-cisco-ucs-vnics/>

## Creating a Network Control Policy

MAC address-based port security for Emulex converged Network Adapters (N20-AE0102) is not supported. When MAC address-based port security is enabled, the fabric interconnect restricts traffic to packets that contain the MAC address that it first learns. This is either the source MAC address used in the FCoE Initialization Protocol packet, or the MAC address in an ethernet packet, whichever is sent first by the adaptor. This configuration can result in either FCoE or Ethernet packets being dropped.

### Procedure

- Step 1** In the Navigation pane, click **LAN**.
- Step 2** Expand **LAN > Policies**.
- Step 3** Expand the node for the organization where you want to create the policy.  
If the system does not include multitenancy, expand the **root** node.
- Step 4** Right-click the **Network Control Policies** node and select **Create Network Control Policy**.
- Step 5** In the Create Network Control Policy dialog box, complete the required fields.
- Step 6** In the LLDP area, do the following:
- To enable the transmission of LLDP packets on an interface, click **Enabled** in the **Transmit** field.
  - To enable the reception of LLDP packets on an interface, click **Enabled** in the **Receive** field.
- Step 7** In the **MAC Security** area, do the following to determine whether the server can use different MAC addresses when sending packets to the fabric interconnect:
- Click the **Expand** icon to expand the area and display the radio buttons.
  - Click one of the following radio buttons to determine whether forged MAC addresses are allowed or denied when packets are sent from the server to the fabric interconnect:
    - Allow**— All server packets are accepted by the fabric interconnect, regardless of the MAC address associated with the packets.
    - Deny**— After the first packet has been sent to the fabric interconnect, all other packets must use the same MAC address or they will be silently rejected by the fabric interconnect. In effect, this option enables port security for the associated vNIC.
- If you plan to install VMware ESX on the associated server, you must configure the **MAC Security** to **allow** for the network control policy applied to the default vNIC. If you do not configure **MAC Security** for **allow**, the ESX installation may fail because the MAC security permits only one MAC address while the installation process requires more than one MAC address.
- Note** Cisco UCS Manager Release 4.0(2) introduces support for **MAC Security** on Cisco UCS 6454 Fabric Interconnects.

The next step is to apply the new policy to the ESX vNICs. If you are using updating vNIC templates then all you need to do is go to each vNIC template for your ESX vNICs select the new policy from the **Network Control Policy** drop down. If you are not using vNIC templates but you are using an updating Service Profile Template then you can enable it there. If you are using one-off Service Profiles are a non-updating Service Profile then you must go to every Service Profile and enable this new policy on every vNIC.

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### NEW QUESTION: 32

Which two statements describe Ethernet switching mode on Cisco UCS 6100 Series Fabric Interconnects? (Choose two.)

- The STP parameter configuration is unsupported.
- STP runs on the server ports.
- STP runs on the uplink ports of each VLAN, as defined by PVSTP+.

- D. The STP parameter configuration is supported.
- E. STP runs on the uplink ports of each VLAN, as defined by MSTP.

Answer: [\(SHOW ANSWER\)](#)

**NEW QUESTION: 33**

A network engineer must design a Cisco HyperFlex solution based on these requirements:

- \* two clusters in the main data center consisting of five HyperFlex nodes
- \* one edge node for the remote branch
- \* cluster nodes that use one rack unit of space

Which two devices should be used in the remote branch cluster for this design? (Choose two.)

- A. UCSB B200
- B. HX240C
- C. Gigabit Ethernet Switch
- D. HX220C
- E. Fabric Interconnect 6300

Answer: C,D [\(LEAVE A REPLY\)](#)

**NEW QUESTION: 34**

An engineer is implementing a storage area network where an NPV is used. The engineer notices that the servers in a storage farm are experiencing heavy traffic contention. The engineer needs to migrate traffic from heavily loaded server interfaces to interfaces with less load. When the new links are deployed, the existing traffic is not rebalanced as expected. Which feature must be used to meet these requirements?

- A. DVM
- B. NPIV
- C. multiple VSAN support
- D. disruptive load balancing

Answer: B [\(LEAVE A REPLY\)](#)

**NEW QUESTION: 35**

A customer wants to deploy a Layer 2 extension over a transport infrastructure for multiple data centers. The data center technology should support a localized Layer 3 gateway, a separate flooding domain, and STP isolation per data center. Which DCI technology meets these requirements?

- A. Pseudowire
- B. VXLAN EVPN
- C. E-Line
- D. E-LAN

Answer: B [\(LEAVE A REPLY\)](#)

**NEW QUESTION: 36**

An engineer deploys VMware ESXi hypervisor on blade servers. The virtual networking is managed by Cisco Nexus 1000V Series Switches.

Which configuration aligns with Cisco recommended practices for providing high availability and a maximum throughput to the VMware ESXi hosts?

- A. dual vNICs with LACP link aggregation
- B. dual vNICs with MAC pinning link aggregation
- C. dual vNICs with hardware fabric failover on the fabric interconnects

D. dual vNICs with static EtherChannel link aggregation

Answer: ([SHOW ANSWER](#))

**NEW QUESTION: 37**

Which mode must be enabled on a Cisco UCS Fabric Interconnect to connect directly to a storage array?

- A. FC switching mode
- B. NPV mode
- C. FC end-host mode
- D. NPIV mode

Answer: A ([LEAVE A REPLY](#))

**NEW QUESTION: 38**

An engineer designs a Cisco UCS solution that must provide guaranteed and deterministic bandwidth to a specific server in the environment. The solution must apply to network and storage traffic of C-Series and B-Series servers. Which solution should be included to meet these requirements?

- A. Pin the server ports of the service profile to dedicated uplink ports.
- B. Pin the vNICs and the vHBAs of the service profile to dedicated uplink ports.
- C. Pin the IOM ports of the service profile to dedicated server ports.
- D. Pin the vNICs and vHBAs of the service profile to dedicated server ports

Answer: B ([LEAVE A REPLY](#))

[https://www.cisco.com/c/en/us/td/docs/unified\\_computing/ucs/sw/gui/config/guide/2-2/b\\_UCSM\\_GUI\\_Configuration\\_Guide\\_2\\_2/b\\_UCSM\\_GUI\\_Configuration\\_Guide\\_2\\_2\\_chapter\\_010.html#concept\\_7DE33CE2E37A47C6992C012D51CA37D4](https://www.cisco.com/c/en/us/td/docs/unified_computing/ucs/sw/gui/config/guide/2-2/b_UCSM_GUI_Configuration_Guide_2_2/b_UCSM_GUI_Configuration_Guide_2_2_chapter_010.html#concept_7DE33CE2E37A47C6992C012D51CA37D4)  
Pinning

Pinning in Cisco UCS is only relevant to uplink ports. You can pin Ethernet or FCoE traffic from a given server to a specific uplink Ethernet port or uplink FC port.

When you pin the NIC and HBA of both physical and virtual servers to uplink ports, you give the fabric interconnect greater control over the unified fabric. This control ensures more optimal utilization of uplink port bandwidth.

Cisco UCS uses pin groups to manage which NICs, vNICs, HBAs, and vHBAs are pinned to an uplink port. To configure pinning for a server, you can either assign a pin group directly, or include a pin group in a vNIC policy, and then add that vNIC policy to the service profile assigned to that server. All traffic from the vNIC or vHBA on the server travels through the I/O module to the same uplink port.

- Guidelines for Pinning

Guidelines for Pinning

When you determine the optimal configuration for pin groups and pinning for an uplink port, consider the estimated bandwidth usage for the servers. If you know that some servers in the system will use a lot of bandwidth, ensure that you pin these servers to different uplink ports.

**NEW QUESTION: 39**

A SAN fabric is built between a pair of Cisco MDS 9000 Series Switches. The requirement is for the ISL to use the VSAN ID to toward traffic from multiple VSANs across the same physical link. Additionally, the Fibre Channel trace feature must be supported. Which ISL interface parameters are required to meet these requirements?

- switchport mode TE
- switchport mode trunk
- switchport mode TE
- switchport mode trunk vsan
- switchport mode E
- switchport mode trunk vsan
- switchport mode E
- switchport mode trunk

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

Answer: B ([LEAVE A REPLY](#))

#### NEW QUESTION: 40

An engineer must deploy a Cisco HyperFlex system at two data centers. For redundancy reasons, the setup must achieve data protection in case of an entire site failure. The data must be available on both sites at all times to keep the recovery time objective to a minimum.

Which Cisco HyperFlex deployment model meets these requirements?

- A. ROBO cluster
- B. standard with eight nodes
- C. stretched cluster
- D. edge with four nodes or more

Answer: ([SHOW ANSWER](#))

#### NEW QUESTION: 41

A customer must deploy a new Cisco HyperFlex stretched cluster solution to ensure virtual server availability in case the data center fails. The current network environment provides multiple geographic locations. Which action must be taken to meet these objectives?

- A. Configure the cluster with the maximum data replication factor
- B. Deploy the stretch duster sites to be within the distance of 300 miles apart
- C. Place an independent witness component at a third site
- D. Implement the round trip time latency between the sites to be lower than 20 ms

Answer: ([SHOW ANSWER](#))

#### NEW QUESTION: 42

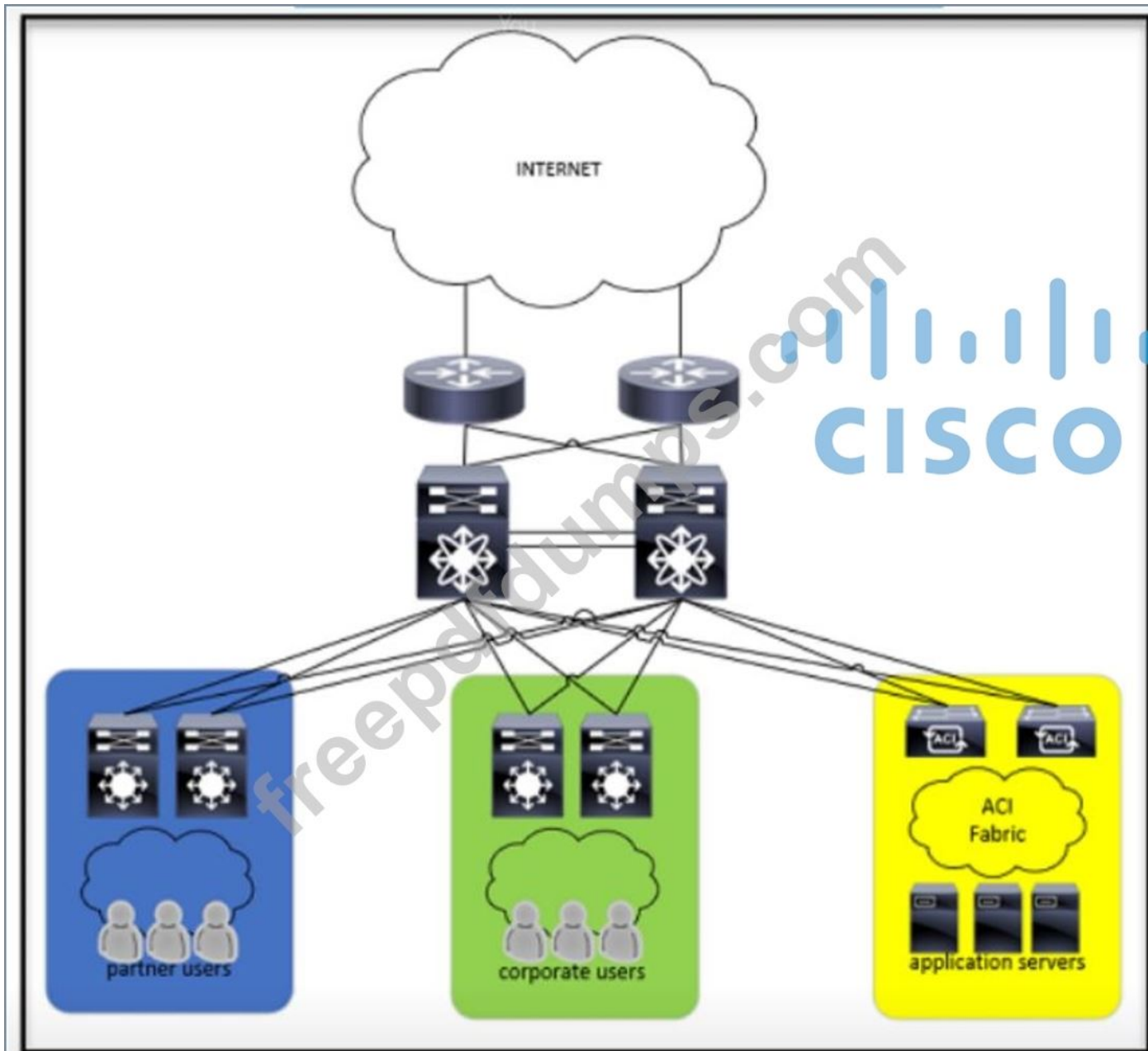
An engineer must build a VXLAN flood-and-learned network. The customer requires the solution to be based on the IETF documented practice in RFC 7348. The solution must use broadcast, unknown unicast, and multicast (BUM) and include the efficient BUM and short BUM replication modes that use only shared trees. Which technology meets these requirements?

- A. MVPN
- B. PIM sparse mode
- C. Bidirectional PIM
- D. PIM SSM

Answer: C ([LEAVE A REPLY](#))

**NEW QUESTION: 43**

Refer to the exhibit.



The security team created a new security policy that requires certain types of traffic to be subject to deep packet inspection. The traffic types are

- \* internet traffic to application servers
- \* internet traffic to corporate users
- \* partner network traffic to application servers
- \* partner network traffic to corporate users

Where must the next-generation firewalls be inserted to implement the new policy?

- A. one-armed insertion from the ACI border leaf duster
- B. inline insertion between the user network switch cluster and the core cluster
- C. one-armed insertion from the core switch cluster
- D. inline insertion between the edge router duster and the core switch duster

**Answer: A** ([LEAVE A REPLY](#))

**NEW QUESTION: 44**

An engineer must integrate Layer 4 to Layer 7 services within Cisco ACI Fabric. The main requirement is to have a single point of configuration for network elements and firewall policies.

Which action meets these requirements?

- A. Deploy the firewalls in routed mode with PBR.
- B. Define the service graph model as network policy mode.
- C. Deploy the firewalls in transparent mode.
- D. Define the service graph model as service policy mode.

**Answer: D** ([LEAVE A REPLY](#))

**NEW QUESTION: 45**

A company needs a solution to virtualize their legacy desktop computers. The solution must be highly resilient and able to withstand the loss of a data center site. Each compute node requires a minimum of 20 disk drives.

Which solution meets these requirements?

- A. \*thin client installed at each user's end station with a separate profile to retrieve sensitive data using the RDP protocol

\*solution based on Cisco HX220 compute nodes

- B. \*dedicated virtual machine per hypervisors for each user in a centralized data center

\*solution based on Cisco HX220 compute nodes

- C. \*data center site with a strict security policy that provides access to users using a bespoke software client

\*solution based on Cisco HX240 compute nodes

- D. \*virtual desktop infrastructure solution installed in multiple data centers that are close to the end users

\*solution based on Cisco HX240 compute nodes

**Answer: D** ([LEAVE A REPLY](#))

**NEW QUESTION: 46**

A cloud provider deploys an infrastructure based on Cisco ACI Fabric, Cisco UCS, and Cisco HyperFlex Data Platform. The storage area network will be based on Cisco MDS 9000 Series Switches with Hyper-V, VMware, and KVM used as the virtualization platform. The requirement is to deploy the overall solution by using a robust automation and orchestration tool.

Which tool meets these requirements?

- A. Cisco Network Assurance
- B. Cisco Prime Infrastructure
- C. Cisco UCS Director
- D. Cisco Cloud Center

**Answer: C** ([LEAVE A REPLY](#))

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**NEW QUESTION: 47**

Which technology enables Layer 2 extension between remote data center sites?

- A. GRE
- B. FCIP
- C. OTV
- D. DMVPN

Answer: C ([LEAVE A REPLY](#))

**NEW QUESTION: 48**

A network engineer must design a data center network with four Cisco Nexus 7706 switches. The switches will be installed in primary and secondary data centers in vPC domains. The two data centers must be connected via Layer 2 links and provide the maximum throughput, redundancy, and avoid port-blocking spanning-tree design.

Which deployment model meets these requirements?

- A. dual-sided single vPC
- B. single-sided dual vPC
- C. single-sided single vPC
- D. dual-sided dual vPC

Answer: D ([LEAVE A REPLY](#))

**NEW QUESTION: 49**

Drag the requirements from the left onto the correct policy types on the right.

Support tagging policies.

Scrub disks on disassociation.

Synchronize server power state.

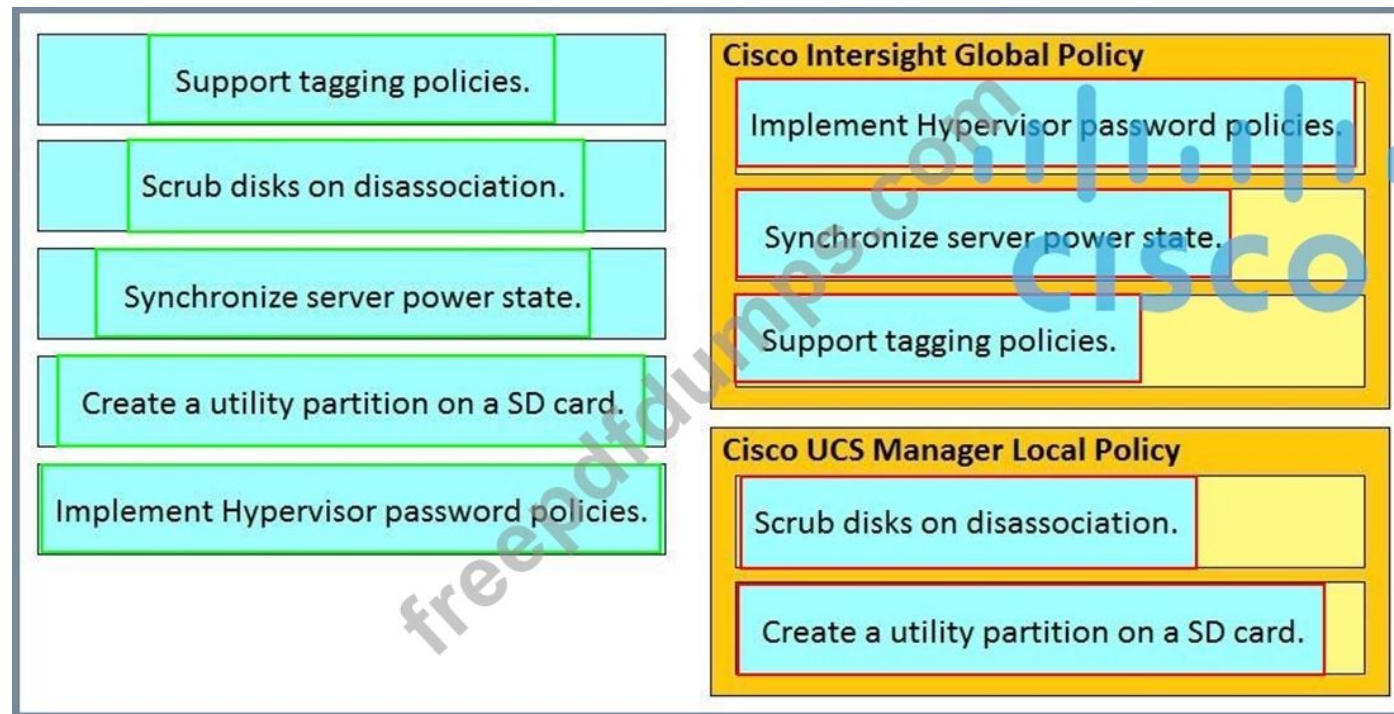
Create a utility partition on a SD card.

Implement Hypervisor password policies.

Cisco Intersight Global Policy

Cisco UCS Manager Local Policy

Answer:



**NEW QUESTION: 50**

An engineer manages a multi-organization Cisco UCS fabric and requires a solution to streamline the daily operational tasks of creating service profile templates. The operations team is unfamiliar with programming languages and must have a solution that is written in an easy-to-read and declarative manner. The operations team also requires the tool to be flexible enough to support the creation of custom modules. The development team is familiar with the Python programming language and can develop these custom modules for the operations team. Which tool meets these requirements?

- A. Ansible
- B. CFEngine
- C. Puppet
- D. Chef

Answer: A ([LEAVE A REPLY](#))

**NEW QUESTION: 51**

The user traffic destined to all web servers located in the data center must pass first through a set of firewalls for deep packet inspection. A network architect must design the Cisco Intelligent Traffic Director (ITD) deployment that meets these requirements:

The firewalls are connected to a set of two Cisco Nexus switches to provide stateful handling of traffic.

The ITD service is provided for inside and outside segments of the firewall.

Which ITD deployment mode must be implemented to meet these requirements?

- A. sandwich deployment mode
- B. server load-balancing deployment mode
- C. server vPC deployment mode
- D. one-arm deployment mode

Answer: C ([LEAVE A REPLY](#))

**NEW QUESTION: 52**

An engineer must design a solution to divide the workload across two different data centers and achieve redundancy in case of the failure of either data center Which solution must the engineer choose?

- A. Cisco Hyperflex ROBO cluster

- B. single Cisco HyperFlex stretched cluster
- C. Cisco Hyperflex edge cluster
- D. single Cisco HyperFlex standard cluster

**Answer: B (LEAVE A REPLY)**

**NEW QUESTION: 53**

Which two methods mitigate congestion in a SAN network? (Choose two.)

- A. Configure ER\_RDY to allow splitting of each ISL between switches into separate virtual links.
- B. Use the port-monitor command to detect slow drain devices.
- C. Configure the port channel to enable individual buffer-to-buffer credits.
- D. Configure the port monitor to allow categorization of a specific device as slow.
- E. Configure the flow control for the FC to use R\_RDY.

**Answer: B,D (LEAVE A REPLY)**

Reference:

[cisco\\_mds9000\\_interfaces\\_config\\_guide\\_8x/congestion\\_avoidance\\_isolation.html](https://www.cisco.com/c/en/us/td/docs/mds9000_interfaces_config_guide_8x/congestion_avoidance_isolation.html)

**NEW QUESTION: 54**

A network architect proposes a distinct Fibre Channel fabric to be used for a Cisco UCS blade server that hosts critical applications. Which action should be implemented for the fibre Channel traffic from the vHBA of this service to pass through the I/O module in the Cisco chassis to a specified uplink Fibre Channel port?

- A. Include a SAN pin group in the vHBA policy.
- B. Update the applied Fibre Channel adapter policy.
- C. Update the applied global QoS policy.
- D. Enable persistent binding in the vHBA policy.

**Answer: A (LEAVE A REPLY)**

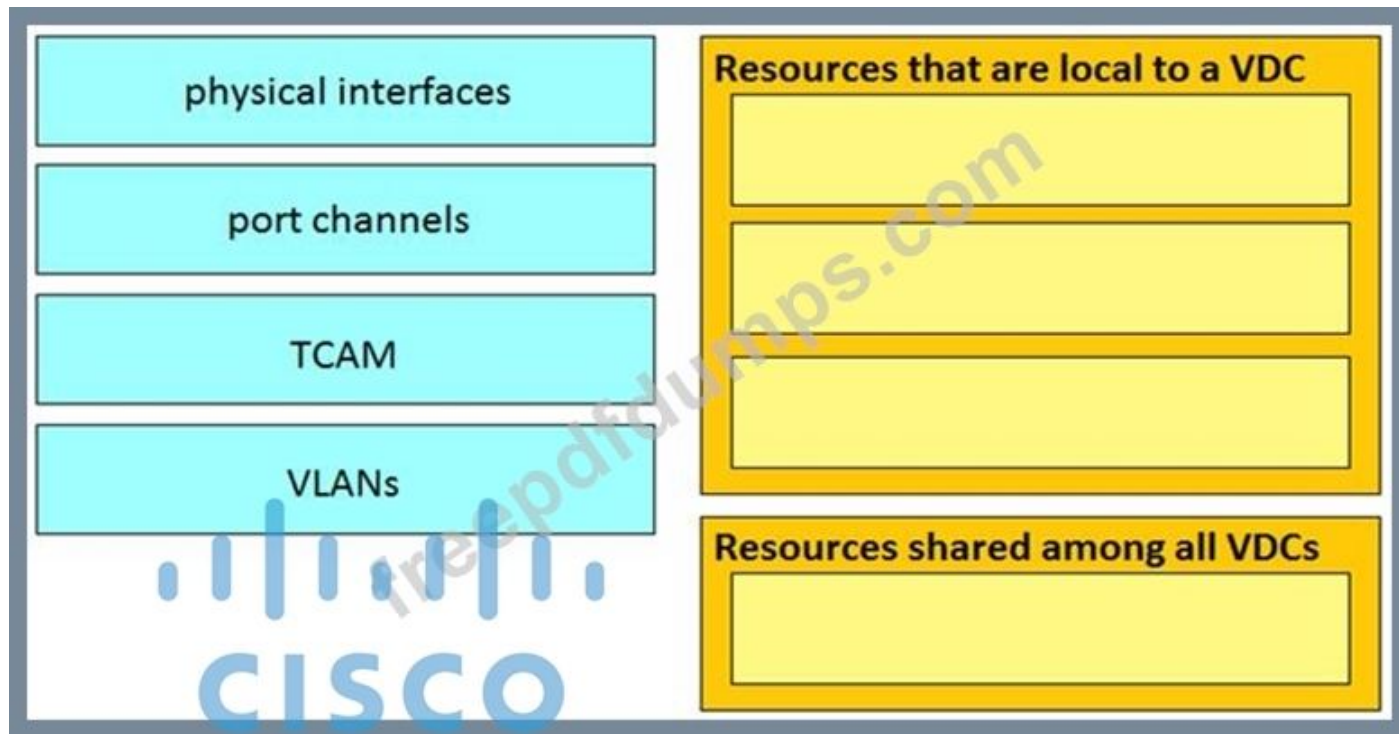
[https://www.cisco.com/c/en/us/td/docs/unified\\_computing/ucs/ucs-manager/GUI-User-Guides/Storage-Mgmt/3-2/b\\_UCSM\\_GUI\\_Storage\\_Management\\_Guide\\_3\\_2/b\\_UCSM\\_GUI\\_Storage\\_Management\\_Guide\\_3\\_2\\_chapter\\_0110.pdf](https://www.cisco.com/c/en/us/td/docs/unified_computing/ucs/ucs-manager/GUI-User-Guides/Storage-Mgmt/3-2/b_UCSM_GUI_Storage_Management_Guide_3_2/b_UCSM_GUI_Storage_Management_Guide_3_2_chapter_0110.pdf)

## SAN Pin Groups

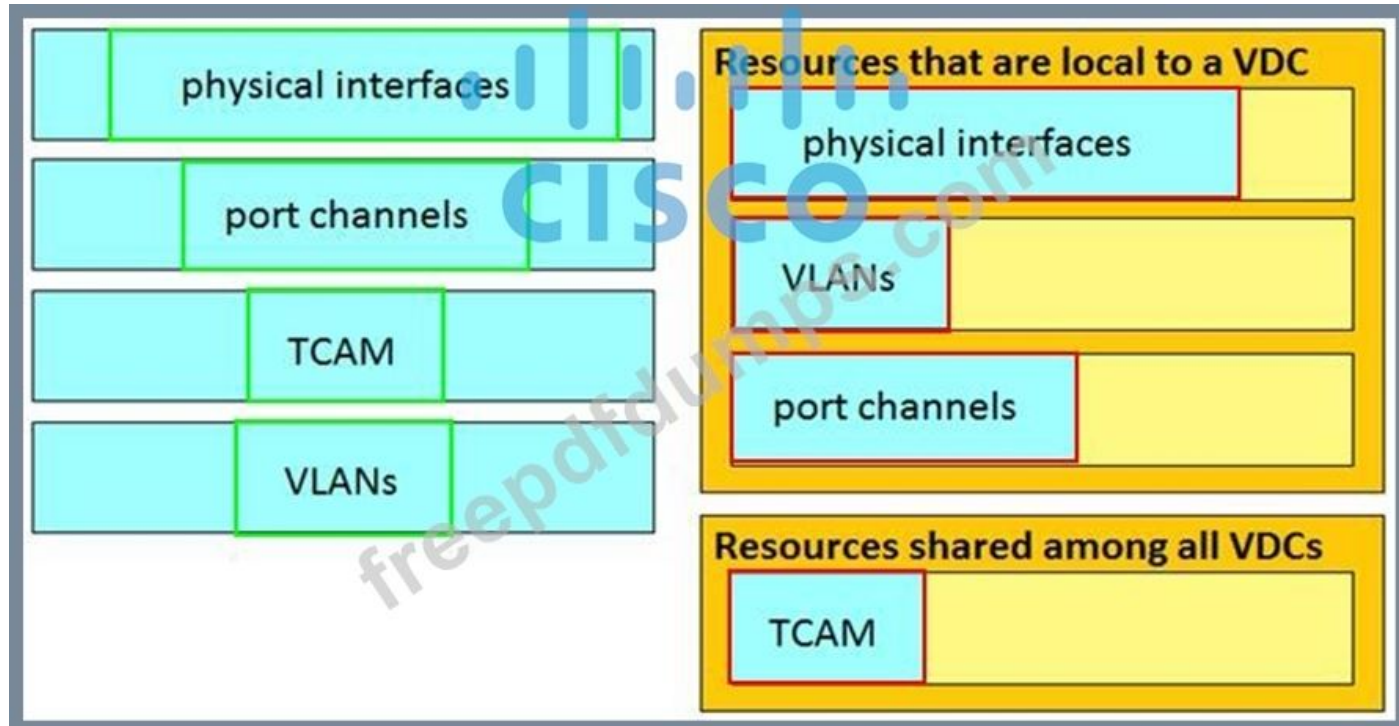
Cisco UCS uses SAN pin groups to pin Fibre Channel traffic from a vHBA on a server to an uplink Fibre Channel port on the fabric interconnect. You can use this pinning to manage the distribution of traffic from the servers.

**NEW QUESTION: 55**

Drag and drop the Cisco Nexus 7000 Series Switch resources from the left onto the correct groups on the right.

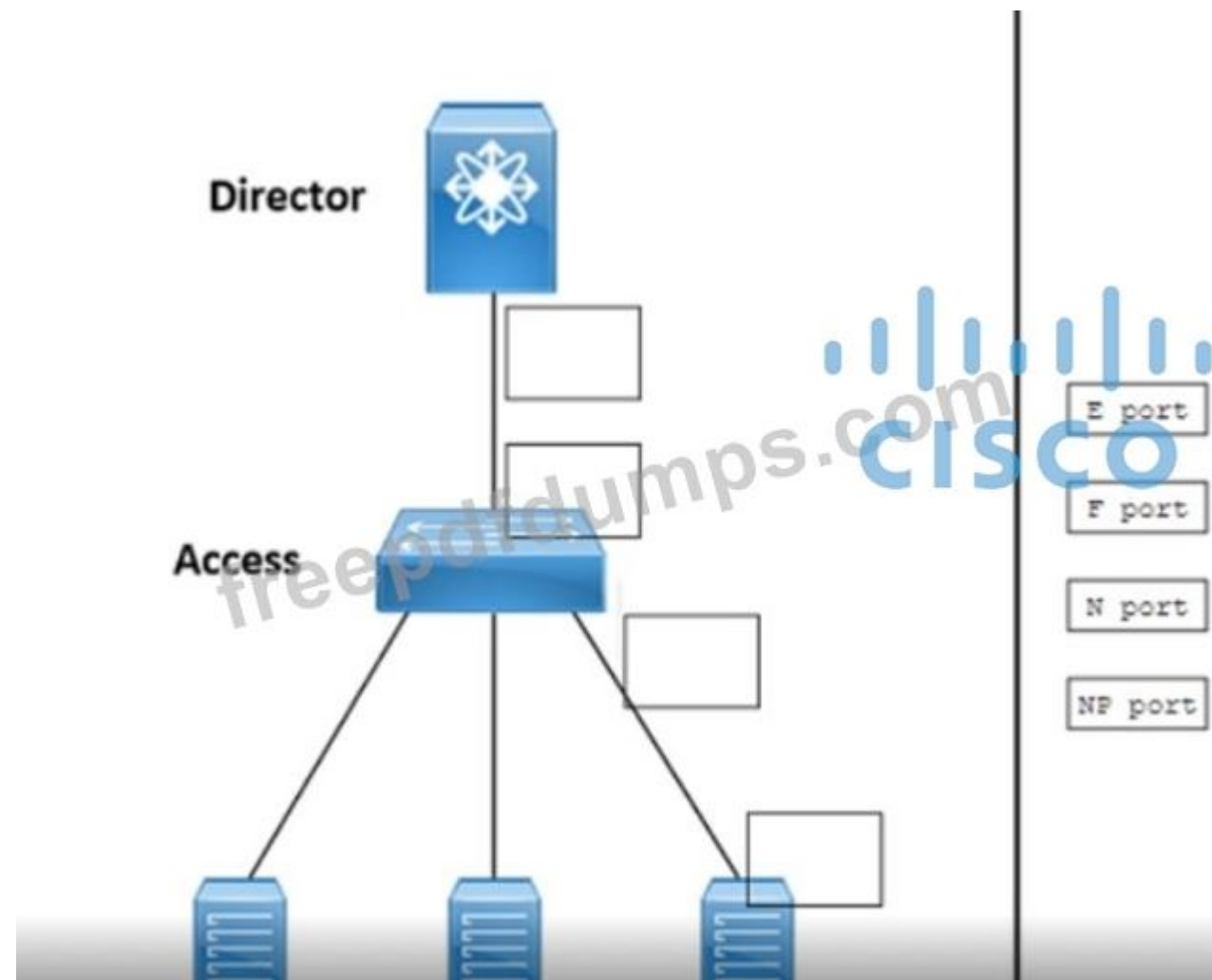


Answer:

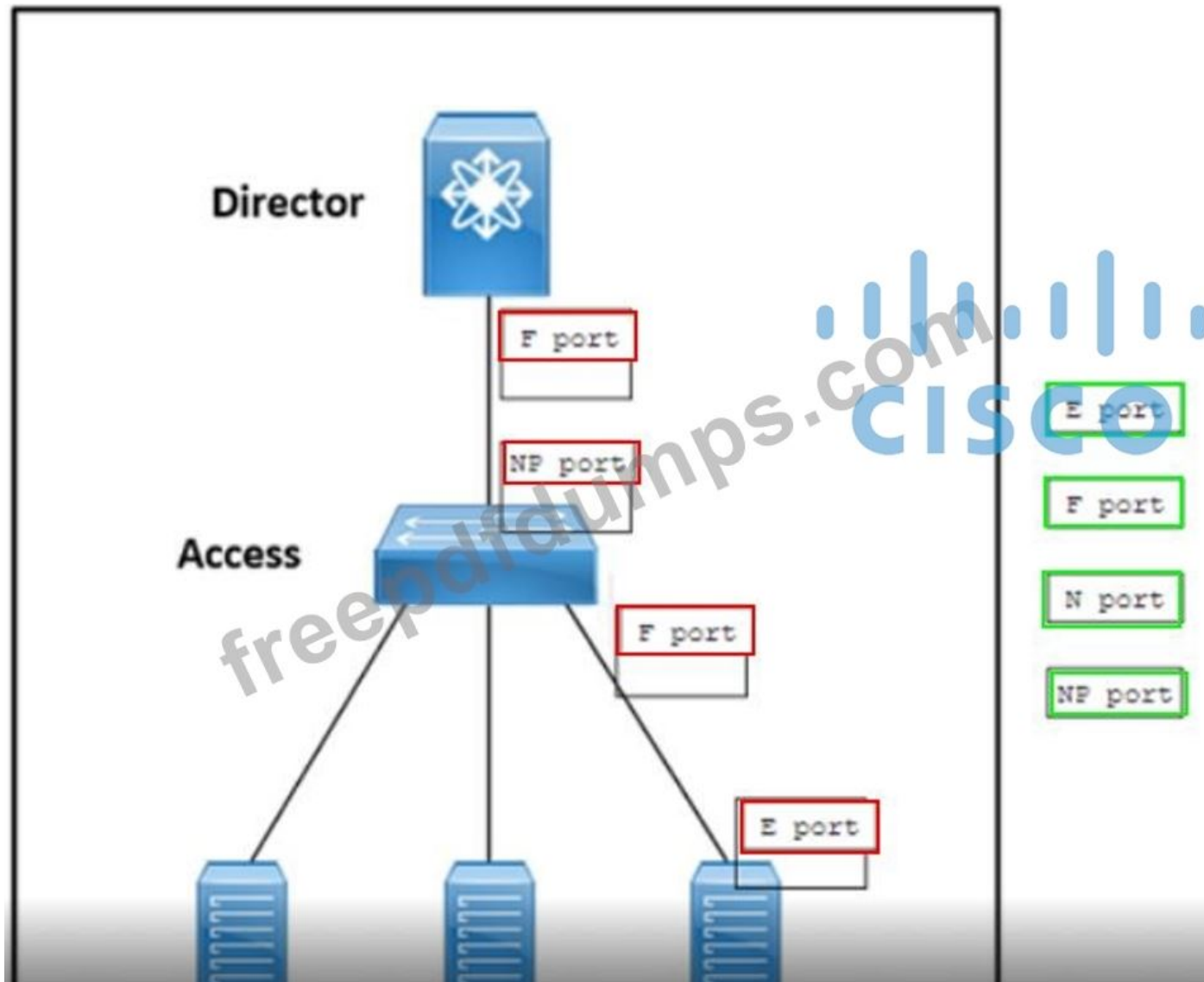


NEW QUESTION: 56

Refer to the exhibit.



Answer:



An engineer must deploy a SAN that meets these criteria:

- \* The upstream director switch must be configured to minimize the number of issued domain IDs
- \* The access switch must aggregate multiple locally connected ports not a single uplink that shares the same domain ID as the upstream switch.

Drag and drop the port types from the right onto the boxes on the left to create a SAN topology that meets these requirements Not all port types are used Port types are used more than once

**NEW QUESTION: 57**

A network consultant reviews the requirements for the Storage Area Network (SAN) design. The proposed solution must offer a very efficient port usage and eliminate the need for a separate physical layer of switches and their associated ISLs. The design is not expected to require future expansion.

Which SAN topology must be used to meet these requirements?

- A. edge-core-edge
- B. core-edge
- C. collapsed-core
- D. core-distribution-access

Answer: C ([LEAVE A REPLY](#))

**NEW QUESTION: 58**

An engineer must logically partition two Cisco Nexus 7000 Series Switches into two environments called Test\_39919596 and Production\_59423879. The environments must use only F2-Series line cards and be limited to a maximum of 265 port-channels. Which Cisco Nexus feature must be used?

- A. vPC
- B. VRF
- C. VDC
- D. vFC

Answer: B ([LEAVE A REPLY](#))

**NEW QUESTION: 59**

A company has added a new FCoE storage array to increase the performance of datastore access for end users. This storage array is directly connected to the Cisco Nexus 5672UP switches using four 10G port-channel interfaces. After deployment, the end users fail to access the datastore compared to the older solution. A network engineer verified the port-channel interface and finds that the congestion occurs when PFC frames are generated at the FCoE ingress interface. Which action must be taken to resolve the congestion issue?

- A. Enable the FCoE class in QoS on Cisco Nexus 5672UP switches.
- B. Reserve bandwidth for FCoE VLAN on the port-channel interface connected with storage.
- C. Increase the queuing buffer in the port-channel interface connected to the storage array.
- D. Add an additional FCoE VLAN to the SAN network.

Answer: C ([LEAVE A REPLY](#))

**NEW QUESTION: 60**

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

iSCSI	allows the storage system to tell the client which paths are optimized
TOE	provides block-level access to the storage
MPIO	host software has visibility into different iSCSI ports
ALUA	offloads device CPU from encapsulation / decapsulation

Answer:

iSCSI	ALUA	the storage system to tell which paths are optimized
TOE	iSCSI	provides block-level access to the storage
MPIO	MPIO	software has visibility different iSCSI ports
ALUA	TOE	loads device CPU from emulation / decapsulation

**NEW QUESTION: 61**

An engineer is designing a Cisco 7000 Series disaster recovery site using the data center interconnect solution to provide gateway redundancy and needs to ensure that devices use gateways in their own data centers. Which design approach should be used to accomplish this goal?

- A. FHRP localized to its own data center
- B. CFS localized to its own data center
- C. STP localized to its own data center
- D. vPC localized to its own data center

Answer: A ([LEAVE A REPLY](#))

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**NEW QUESTION: 62**

An engineer must develop a Python tool to automate software upgrades of both data center and non-data center devices. All devices offer a RESTful API and require a JSON or XML payload Vendor-specific libraries must be avoided. Which library must the engineer choose?

- A. ncclient
- B. requests
- C. Nornir
- D. Netmiko

Answer: ([SHOW ANSWER](#))

**NEW QUESTION: 63**

Refer to the exhibit.

**Create vHBA Template**

Name :

Description :

Fabric ID :  A  B

Redundancy

Redundancy Type :  No Redundancy  Primary Template  Secondary Template

Select VSAN : default

Template Type :  Initial Template  Updating Template

Max Data Field Size : 2048

WWPN Pool : Select (pool default used by default) ▼

QoS Policy : <not set> ▼

Pin Group : <not set> ▼

Stats Threshold Policy : default ▼

Which template is used when a vHBA template pair is created for a specific server that inherits its attributes from an existing template?

- A. Updating
- B. Secondary
- C. Initial
- D. Primary

**Answer: C (LEAVE A REPLY)**

**NEW QUESTION: 64**

An engineer finishes the initial set up of a VXLAN EVPN network. The engineer is asked to plan for connectivity that supports redundancy and extends multiple virtual routing and forwarding domains. The requirement is to use the same default gateway addressing across all leaf switches that belong to the VXLAN network. Which two solution must be used to meet these requirements? (Choose two)

- A. spanning tree protocol
- B. VRF-lite
- C. Distributed anycast gateway
- D. DC interconnect
- E. Inter-site network

**Answer: C,D (LEAVE A REPLY)**

[https://www.cisco.com/c/en/us/td/docs/switches/lan/catalyst9300/software/release/16-12/configuration\\_guide/vxlan/b\\_1612\\_bgp\\_evpn\\_vxlan\\_9300\\_cg/configuring\\_evpn\\_vxlan\\_anycast\\_gateway.html](https://www.cisco.com/c/en/us/td/docs/switches/lan/catalyst9300/software/release/16-12/configuration_guide/vxlan/b_1612_bgp_evpn_vxlan_9300_cg/configuring_evpn_vxlan_anycast_gateway.html)

<https://www.cisco.com/c/en/us/products/collateral/switches/nexus-9000-series-switches/white-paper-c11-739942.html>

**EVPN VXLAN Distributed Anycast Gateway**

Distributed anycast gateway feature for EVPN VXLAN is a default gateway addressing mechanism that enables the use of the same gateway IP addresses across all the leaf switches that are part of a VXLAN network. This ensures that every leaf switch can function as the default gateway for the workloads directly connected to it. The feature facilitates flexible workload placement, host mobility and optimal traffic forwarding across the VXLAN fabric.

EVPN Multi-Site architecture allows the extension of Layer 2 and Layer 3 segments beyond a single site. Using EVPN Multi-Site architecture, you can extend Layer 2 VNIs to enable seamless endpoint mobility and address other use cases that require communication bridged beyond a single site. Use cases involving Layer 3 extension beyond a single site primarily require multitenant awareness or VPN services. With the multitenant capability in BGP EVPN and specifically in EVPN Multi-Site architecture, multiple VRF instances or tenants can be extended beyond a single site using a single control plane (BGP EVPN) and a single data plane (VXLAN).

EVPN Multi-Site architecture can also be used for DCI scenarios (Figure 3). As with the compartmentalization and scale-out within a data center, EVPN Multi-Site architecture was built with DCI in mind. The overall architecture allows single or multiple sites per data center to be positioned and interconnected with single or multiple sites in a remote data center. With seamless and controlled Layer 2 and Layer 3 extension through the use of VXLAN BGP EVPN within and between sites, the capabilities of VXLAN BGP EVPN itself have been increased. The new functions related to network control, VTEP masking, and BUM traffic enforcement are only some of the features that help make EVPN Multi-Site architecture the most efficient DCI technology.

**NEW QUESTION: 65**

An engineer is designing a data center that uses FCIP. How is QoS configured in this environment?

- A. A separate DSCP value and priority queuing must be configured for all FCIP traffic.
- B. A separate DSCP value and CoPP must be configured for all FCIP traffic and another for all of the FCIP in the data connection.
- C. Two separate DSCP values must be configured, one for all of the FCIP frames in the control TCP connection and another for all of the FCIP frames in the data connection.
- D. A separate DSCP value must be configured for all FCIP VSAN traffic.

**Answer: C** ([LEAVE A REPLY](#))

**NEW QUESTION: 66**

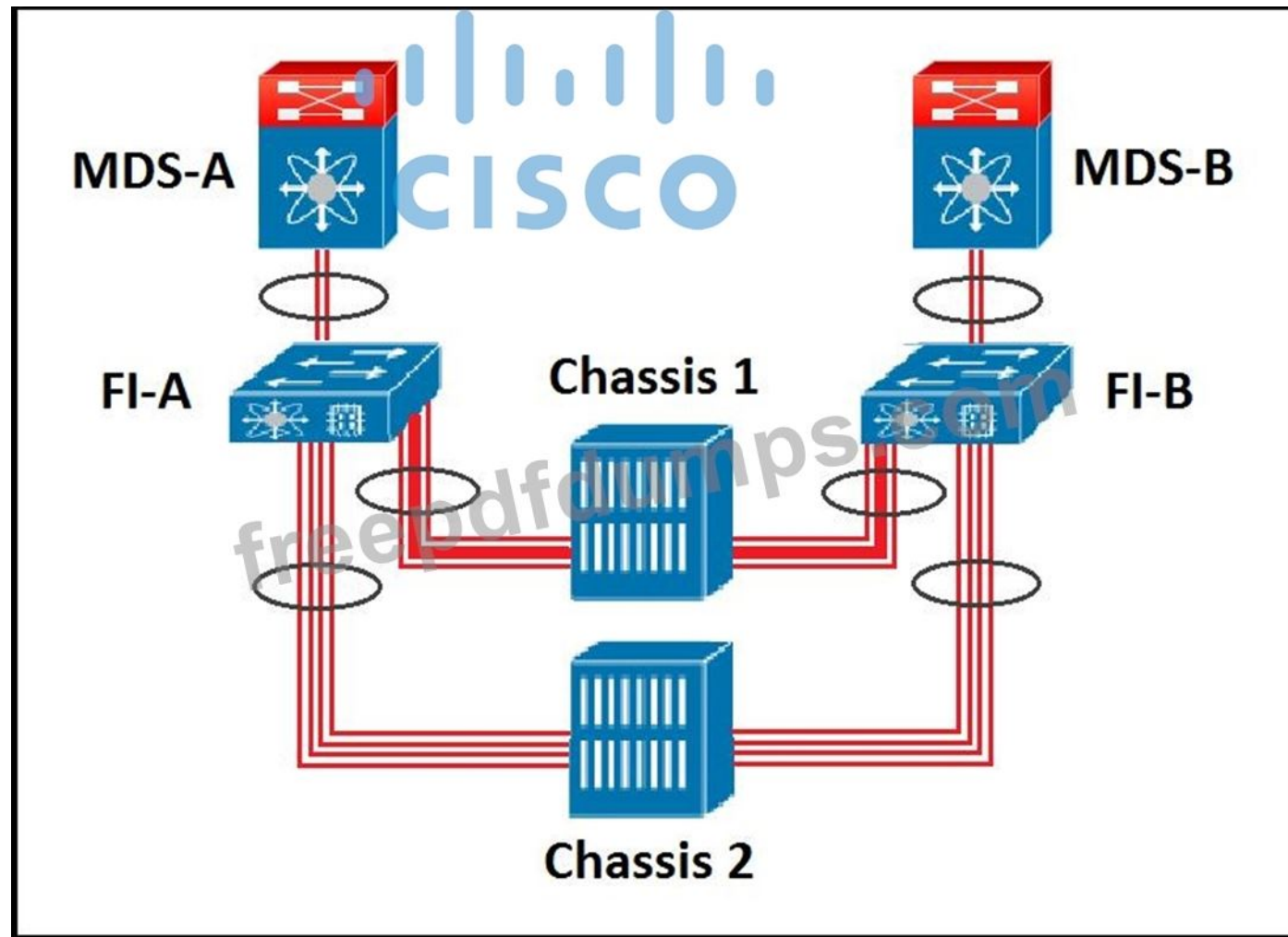
Which protocol prevents fiber failures from causing a Layer 2 loop in a dark fiber DCI?

- A. LLDP
- B. BFD
- C. MCP
- D. UDLD

**Answer: D** ([LEAVE A REPLY](#))

**NEW QUESTION: 67**

Refer to the exhibit.



An engineer must assign multiple Fibre Channel IDs to a single port channel. Which two features must be enabled this goal? (Choose two.)

- A. SAN Pin Groups on the Cisco UCS Fabric Interconnects.
- B. NPIV feature on the Cisco MDS Series
- C. end-host mode feature on the Cisco UCS Fabric Interconnects
- D. Smart Zoning feature on the Cisco UCS Fabric Interconnects
- E. NPV feature on the Cisco MDS Series.

Answer: B,E ([LEAVE A REPLY](#))

**NEW QUESTION: 68**

When planning to deploy a load-balancing service as a managed node, which ACI configuration must be included?

- A. ITD
- B. inline load-balancing device
- C. Layer 4 to Layer 7 device package
- D. BGP ECMP

Answer: C ([LEAVE A REPLY](#))

**NEW QUESTION: 69**

Which multicast rendezvous point redundancy mode is valid for Bidirectional PIM?

- A. Embedded RP
- B. PIM anycast RP

- C. MSDP
- D. Phantom RP

**Answer: B** ([LEAVE A REPLY](#))

**NEW QUESTION: 70**

A network engineer must create a Fibre Channel fabric QoS design for an existing data center. The solution must provide relative bandwidth guarantees to application traffic, control latency, and prioritize application traffic. Which mechanism must be deployed to support these requirements?

- A. traffic shaping
- B. traffic policing
- C. traffic remarking
- D. traffic classification

**Answer: C** ([LEAVE A REPLY](#))

**NEW QUESTION: 71**

A network architect designs the iSCSI architecture. The requirements are to achieve high performance and a low amount of oversubscription and to minimize latency. Which two actions must be taken to meet these requirements? (Choose two.)

- A. Minimize the number of hops between the storage and the hosts.
- B. Configure the size of the payload in each frame to MTU 9000.
- C. Set the size of the payload in each frame to MTU 1500.
- D. Use a software-based iSCSI adapter on the client side.
- E. Enable iSCSI port binding on the Initiator device.

**Answer: B,E** ([LEAVE A REPLY](#))

**NEW QUESTION: 72**

An engineer deploys VMware ESXi hypervisor on blade servers. The virtual networking is managed by Cisco Nexus 1000V Series Switches. Which configuration aligns with Cisco recommended practices for providing high availability and a maximum throughput to the VMware ESXi hosts?

- A. dual vNICs with hardware fabric failover on the fabric interconnects
- B. dual vNICs with MAC pinning link aggregation
- C. dual vNICs with LACP link aggregation
- D. dual vNICs with static EtherChannel link aggregation

**Answer: C** ([LEAVE A REPLY](#))

**NEW QUESTION: 73**

Which two configuration methods can be used to deploy QoS to Cisco MDS Series switches? (Choose two.)

- A. multiple QoS policies that match individual devices
- B. FCoE VLAN-based QoS
- C. zone-based QoS
- D. VSAN-based QoS
- E. multiple QoS policies that match multiple devices

**Answer: C,D** ([LEAVE A REPLY](#))

**NEW QUESTION: 74**

A network engineer must design a Cisco HyperFlex solution based on these requirements:

- \* two clusters in the main data center consisting of five HyperFlex nodes
- \* one edge node for the remote branch
- \* cluster nodes that use one rack unit of space

Which two devices should be used in the remote branch cluster for this design? (Choose two.)

- A. HX240c
- B. Fabric Interconnect 6300
- C. HX220c
- D. Gigabit Ethernet Switch
- E. UCS B200

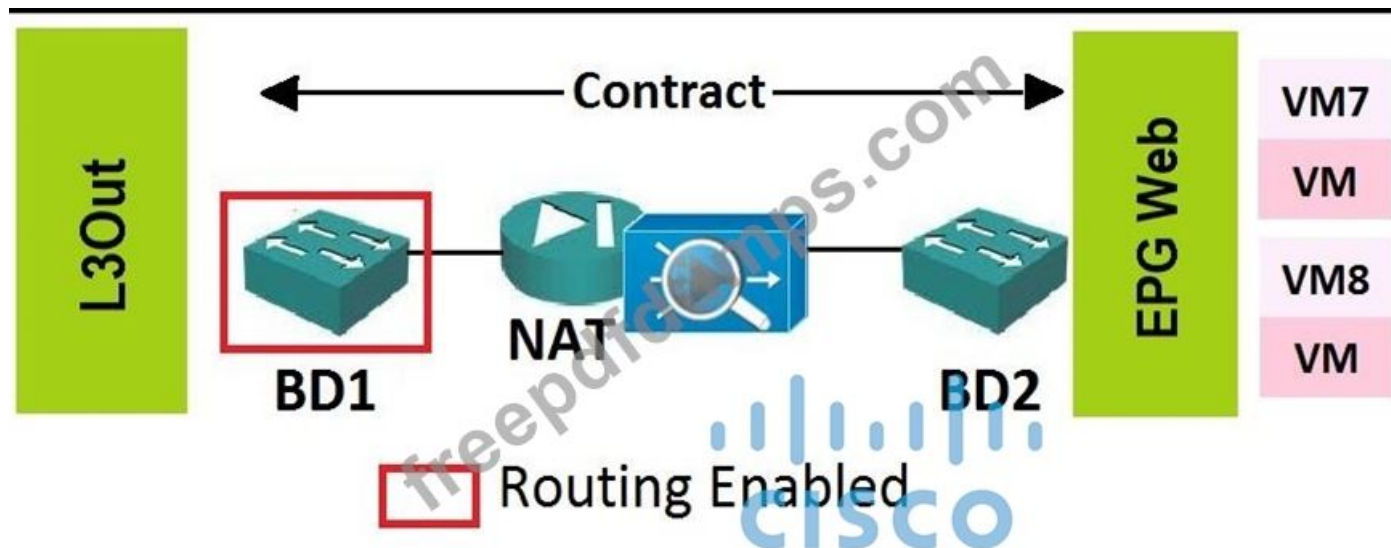
**Answer: C,D (LEAVE A REPLY)**

HX240 is excluded because it is 2RU, while the requirement is to have one rack unit of space.

UCS B200 and FI 6300 are excluded because the solution is required in a branch.

**NEW QUESTION: 75**

Refer to the exhibit.



What must be the default gateway of the servers in EPG Web?

- A. subnet address of BD2
- B. subnet address of BD1
- C. subnet address of L3Out
- D. NAT appliance

**Answer: (SHOW ANSWER)**

**NEW QUESTION: 76**

A database administrator experiences delay when performing storage replication between primary and secondary data centers. The data centers are located 20 kilometers apart and are connected using a 500 Mbps link. The deployment was implemented using an FCIP tunnel and a pair of Cisco MDS 9250 Series Switches. The network engineer decided to enable QoS to prioritize replication traffic. Which QoS model must be used to resolve the performance issues?

- A. differentiated services
- B. weighted round robin

- C. Resource Reservation Protocol
- D. strict priority queuing

Answer: (SHOW ANSWER)

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**NEW QUESTION: 77**

Which two automation requirements can be met by using Puppet? (Choose two.)

- A. Push configuration updates immediately to servers.
- B. Enable clients to pull changes to configuration files.
- C. Enable clients to pull changes without installing an agent.
- D. Provide support for writing new modules in Python.
- E. Enable one-off infrastructure changes to be performed manually.

Answer: A,B (LEAVE A REPLY)

<https://blogs.cisco.com/datacenter/cisco-nx-os-and-puppet-agentless-data-center-automation>

**NEW QUESTION: 78**

An engineer must use OTV for layer 2 connectivity between data centers to support virtual machine between the customer sites. To support this requirement, the engineer must ensure the existence of the same default gateway on both sites. Additionally, the operations team report high bandwidth utilization on site A and wants to optimize the outbound traffic flows to use a DC exit point. Which feature must be used to meet these requirement?

- A. FHRP filter
- B. Control group
- C. Data group
- D. ARP filter

Answer: (SHOW ANSWER)

[https://www.cisco.com/c/dam/en/us/products/collateral/switches/nexus-7000-series-switches/guide\\_c07-728315.pdf](https://www.cisco.com/c/dam/en/us/products/collateral/switches/nexus-7000-series-switches/guide_c07-728315.pdf)

It is critical that you **enable the filtering of FHRP messages** across the overlay because it allows the use of the same FHRP configuration in different sites. The end result is that the same default gateway is available, and it is characterized by the same virtual IP and virtual MAC addresses in each data center. Thus the **outbound traffic will be able to follow the optimal and shortest path, always using the local default gateway.**

The appendix has a sample configuration that can be copied into your Nexus 7000 Series in order to utilize this feature.

**NEW QUESTION: 79**

An engineer must design a secondary site to prevent a catastrophic primary site failure. The applications must communicate across sites via the data link layer of the OSI model. The Layer 3 transport that is available for this solution consists of 10-Gb connections over Layer 3.

Which two solutions meet these requirements? (Choose two.)

- A. OSPF
- B. vPC

- C. VXLANEVPN
- D. OTV
- E. ISIS

**Answer: C,D ([LEAVE A REPLY](#))**

**NEW QUESTION: 80**

After experiencing traffic disruptions from the failure of a single router, a customer asks an engineer to design a solution that will prevent this from occurring in the future. While examining the customer's environment, the engineer discovers that the routers are manufactured by a variety of different vendors, and they have varying amounts of CPU and memory resources. Additionally, several of the customer's applications require the ability to fine-tune the load-balancing parameters between multiple routers. Which solution should be used to meet these requirements?

- A. VRRP
- B. GLBP
- C. FHRP
- D. HSRP

**Answer: A ([LEAVE A REPLY](#))**

Load balancing can be done by having different VRRP groups and configuring different servers with different default gateways. HSRP and GLBP are Cisco proprietary.

**NEW QUESTION: 81**

A customer deploys 32 virtualization hosts in a Cisco UCS domain. All hosts run in the same cluster and have identical hardware specifications. The operating system requires that all firmware is consistent across the hosts (or driver support). The customer must provision additional interfaces later for expandability. Which feature of Cisco UCS Manager meets these requirements?

- A. Initial vNIC Template
- B. Updating Service Profile Template
- C. Updating vNIC Template
- D. Initial Service Profile Template

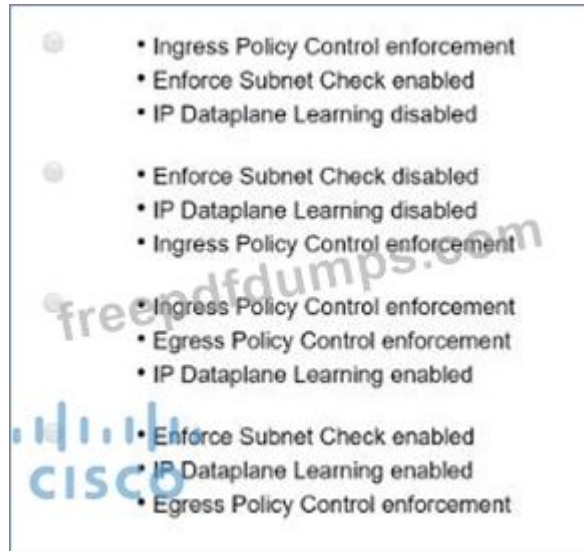
**Answer: B ([LEAVE A REPLY](#))**

**NEW QUESTION: 82**

An ACI deployment must:

- Only use a proxy for border leaf switches.
- Classify incoming traffic on L3OUT.
- Immediately update the endpoint database when the endpoint moves between leaf switches.

Which VRF configuration must be used?



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

Answer: A ([LEAVE A REPLY](#))

#### NEW QUESTION: 83

An engineer must design a multitenant solution using Cisco 7709 switches. The solution must support separate routing instances, separate spanning tree domains, and separate firewalls for each tenant. Which solution meets these requirements?

- A. VRF
- B. CFS
- C. vPC
- D. VDC

Answer: D ([LEAVE A REPLY](#))

#### NEW QUESTION: 84

An engineer is building a data center network with VXLAN EVPN. The requirement is to use multicast for the broadcast, unknown unicast, and multicast replication.

Which two VNI to multicast group mapping methods must be used to meet these requirements? (Choose two.)

- A. one NVE to many multicast groups
- B. many VNI to many multicast groups
- C. many NVE to one multicast group
- D. many VNI to one multicast group
- E. one VNI to one multicast group

Answer: A,D ([LEAVE A REPLY](#))

#### NEW QUESTION: 85

An engineer manages hundreds of Cisco Nexus Series and 9000 Series Switches that are installed at several data centers and wants to use one of the built-in automation tools of the Cisco NX-OS Guest Shell to automate daily activities. The engineer requires a tool that uses imperative language, has extensive support, and is object-oriented. Which automation tool should be used to meet these requirements?

- A. Python

B. Bash

C. YAML

D. Perl

**Answer: A (LEAVE A REPLY)**

Python is object-oriented and imperative language.

YAML is declarative.

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