

Cisco.300-610.v2026-04-17.q129

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https://www.freepdfdumps.com/Cisco.300-610.v2026-04-17.q129.html	

NEW QUESTION: 1

Which two statements describe Ethernet switching mode on Cisco UCS 6100 Series Fabric Interconnects?

(Choose two.)

- A. STP runs on the uplink ports of each VLAN, as defined by PVSTP+.
- B. STP runs on the uplink ports of each VLAN, as defined by MSTP.
- C. The STP parameter configuration is unsupported.
- D. The STP parameter configuration is supported.
- E. STP runs on the server ports.

Answer: A,C (LEAVE A REPLY)

Reference: https://www.cisco.com/c/en/us/solutions/collateral/data-center-virtualization/unified-computing/whitepaper_c11-701962.html

NEW QUESTION: 2

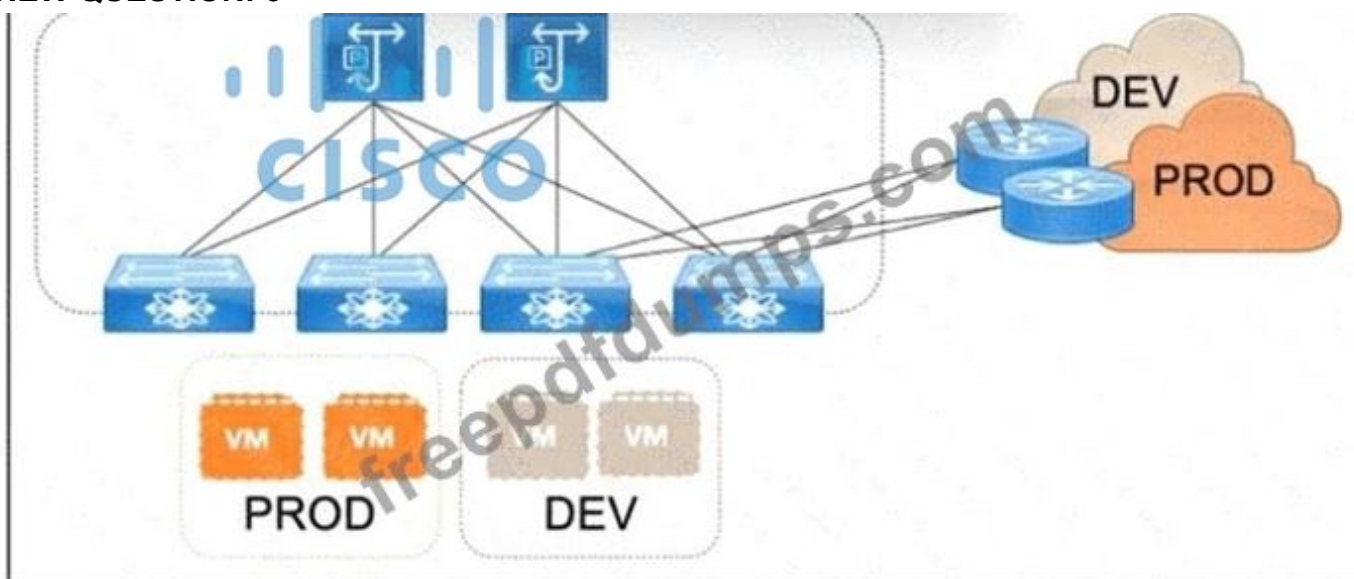
A network engineer is implementing Cisco UCS manager with Cisco UCS center integration. The company is strict security policies require that the logical profile of virtual network adapters and logical addressing assigned to Cisco UCS servers be managed by the Cisco UCS manager. The users must also be prevented from being able to acknowledge pending activities in the Cisco UCS manager. Which two profile must be used to meet these requirements? (Choose two.)

- A. Global maintenance
- B. Public network control
- C. Restricted chassis
- D. Local power
- E. Local service

Answer: A,E (LEAVE A REPLY)

https://www.cisco.com/c/en/us/td/docs/unified_computing/ucs/ucs-central/GUI-User-Guides/Operations/b_UCSC_Ops_Guide/b_UCSC_Ops_Guide_chapter_0111.html#id_16185

NEW QUESTION: 3



A company must implement a multitenant environment for DEV and PROD application teams. The design must support end-to-end route isolation for remote external sites, overlapping IP ranges, and fast, transparent application deployment. Which solution meets the objectives?

- A. Configure independent routing protocols for DEV and PROD.
- B. Configure separate VRFs for DEV and PROD.
- C. Implement unique VLANs for DEV and PROD.
- D. Implement dedicated ACLs between DEV and PROD.

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

NEW QUESTION: 4

What are two advantages of using Cisco vPC as compared to traditional access layer designs? (Choose two.)

- A. disables spanning-tree
- B. supports Layer 3 port channels
- C. uses all available uplink bandwidth
- D. no spanning-tree blocked ports
- E. maintains single control plane

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

NEW QUESTION: 5

When booting from iSCSI while using multipathing, which type of address must be the same on both boot vNICs?

- A. OUI
- B. WWN
- C. IQN
- D. EUI

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

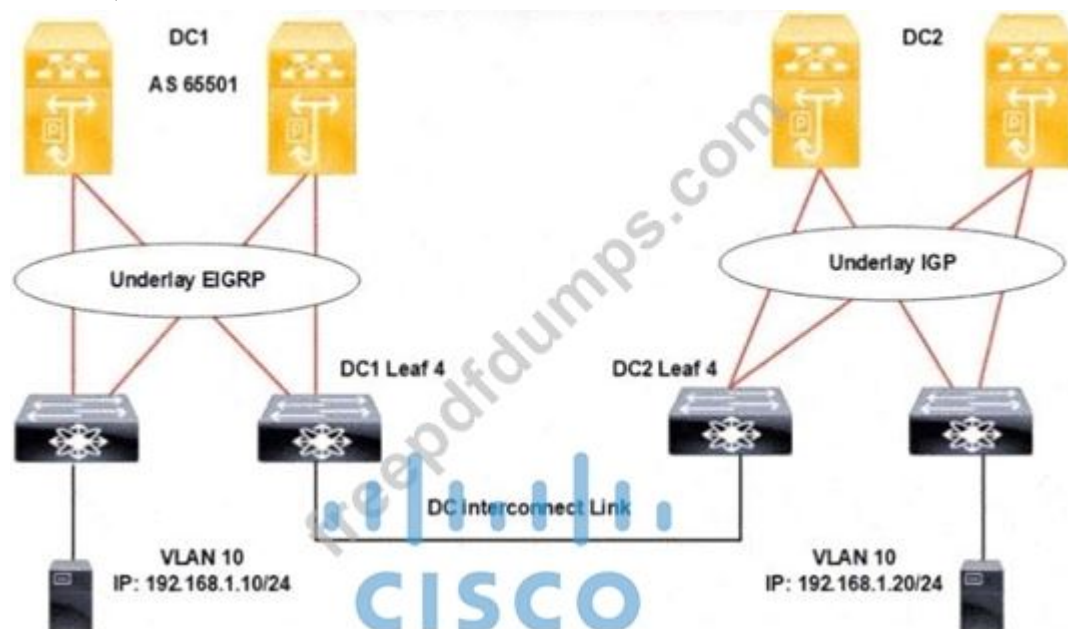
NEW QUESTION: 6

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

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

NEW QUESTION: 7



Refer to the exhibit.

The data center DC1 uses VXLAN technology. The company asked a service provider to design another data center called DC2 and stretch EVPN information between the data centers based on the same technology. The fabric requires

- *endpoint information propagated end-to-end across both data centers
- *misconfiguration replicated from DC1 to DC2

Which actions must the design include in DC2 to meet these criteria?

Refer to the exhibit. The data center DC1 uses VXLAN technology. The company asked a service provider to design another data center called DC2 and stretch EVPN information between the data centers based on the same technology. The fabric requires

- *endpoint information propagated end-to-end across both data centers
- *misconfiguration replicated from DC1 to DC2

Which actions must the design include in DC2 to meet these criteria?

- A. * Set BGP AS to 65501
- * Configure EIGRP as an underlay IGP

B. * Set BGP AS to 65501

* Configure RIP as an underlay IGP

C. * Set BGP AS to 65500

* Configure RIP as an underlay IGP

D. * Set BGP AS to 65500

* Configure IGRP as an underlay IGP

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 8

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 template with type set to Initial

B. service profile with type set to Global

C. service profile template with type set to Updating

D. service profile with type set to Local

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

NEW QUESTION: 9

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. requests

B. ncclient

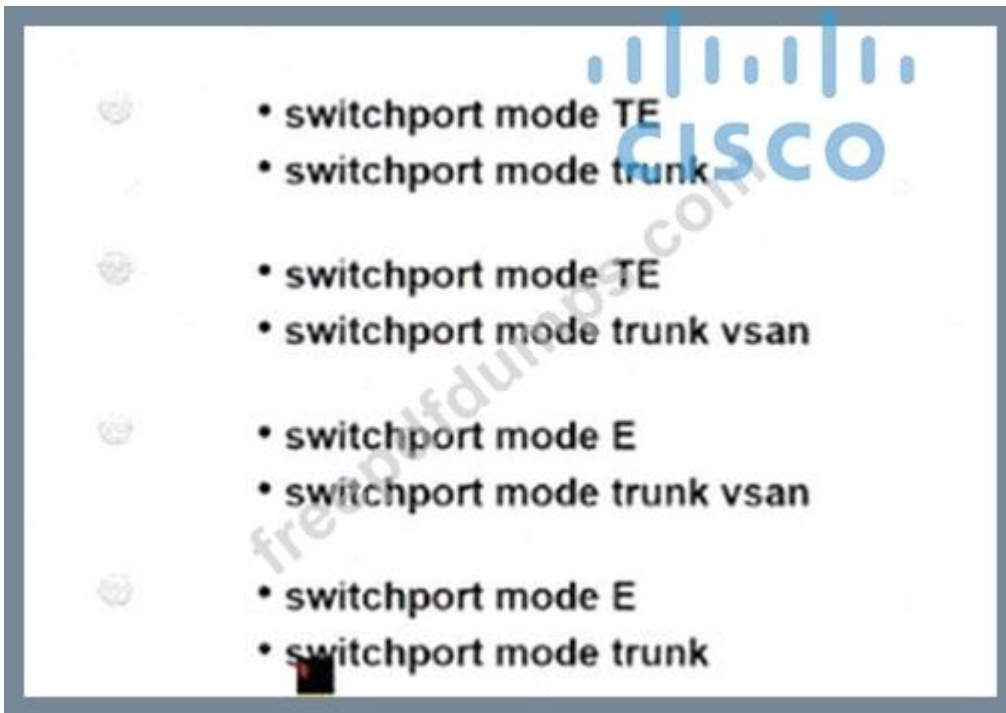
C. Netmiko

D. Nornir

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

NEW QUESTION: 10

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 forward 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?



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

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

NEW QUESTION: 11

Which authentication software natively runs within the CLI of Cisco NX-OS devices?

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

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

NEW QUESTION: 12

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

Empty policy configuration area for Cisco Intersight Global Policy.

Cisco UCS Manager Local Policy

Empty policy configuration area for Cisco UCS Manager Local Policy.

Answer:

- Support tagging policies.
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Cisco UCS Manager Local Policy

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Support tagging policies.	Cisco Intersight Global Policy Implement Hypervisor password policies. Synchronize server power state. Support tagging policies.
Scrub disks on disassociation.	
Synchronize server power state.	
Create a utility partition on a SD card.	
Implement Hypervisor password policies.	Cisco UCS Manager Local Policy Scrub disks on disassociation. Create a utility partition on a SD card.

NEW QUESTION: 13

Drag and drop the SAN components from the left onto the correct design considerations on the right.

fabric logins	used to logically separate a SAN fabric
ISL	must be considered for the end-to-end oversubscription ratio
VSAN	these exchanges increase as a result of server virtualization
zone	must be considered when implementing access control

Answer:

fabric logins	VSAN	used to logically separate a SAN fabric
ISL	ISL	must be considered for the end-to-end oversubscription ratio
VSAN	fabric logins	these exchanges increase as a result of server virtualization
zone	zone	must be considered when implementing access control

NEW QUESTION: 14

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

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

NEW QUESTION: 15

An engineer installs a B-Series server in a Cisco UCS chassis that contains a pair of UCS-IOM-2208XP I/O modules. The full bandwidth of the I/O module must be utilized. Which two elements should be used in this environment? (Choose two.)

- A. eight twinax cables from each I/O module to each fabric interconnect
- B. four twinax cables from each I/O module to each fabric Interconnect
- C. Cisco UCS VIC 1225
- D. Cisco UCS M81KR
- E. Cisco UCS VIC 1280

Answer: ([SHOW ANSWER](#))

2208 has 8 uplinks. VIC 1225 only works on C-Series UCS. M81KR has only 2x10G ports. VIC 1280 has 8x10G ports.

NEW QUESTION: 16

A network engineer designs a Cisco Nexus data center network for a client-server farm using a pair of Nexus

9000 Series. Switches in a vPC setup. Each server connects with two interfaces to both Nexus switches. The Nexus switches must always initiate the negotiation with the server. Which feature should be used in this design to ensure traffic is forwarded from the server to the data center network?

- A. LACP mode auto
- B. LACP mode active
- C. PAgP mode desirable
- D. PAgp mode auto

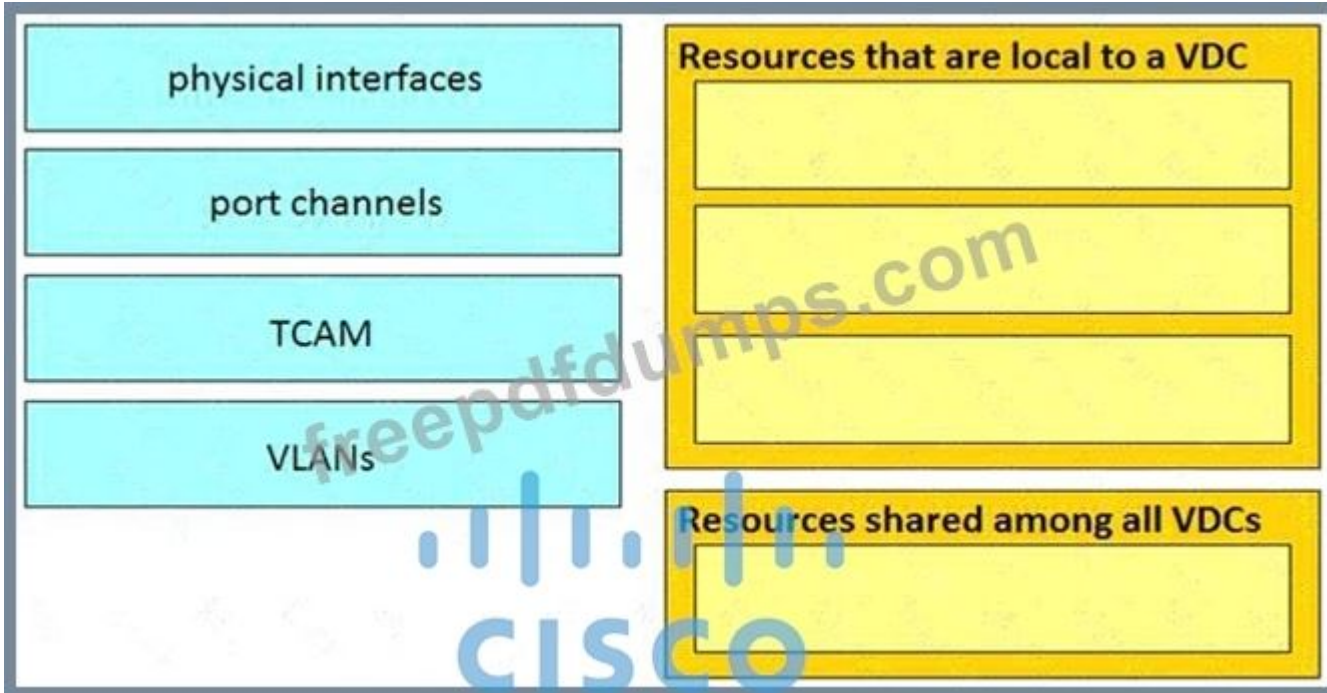
Answer: B ([LEAVE A REPLY](#))

Servers cannot support PAgP

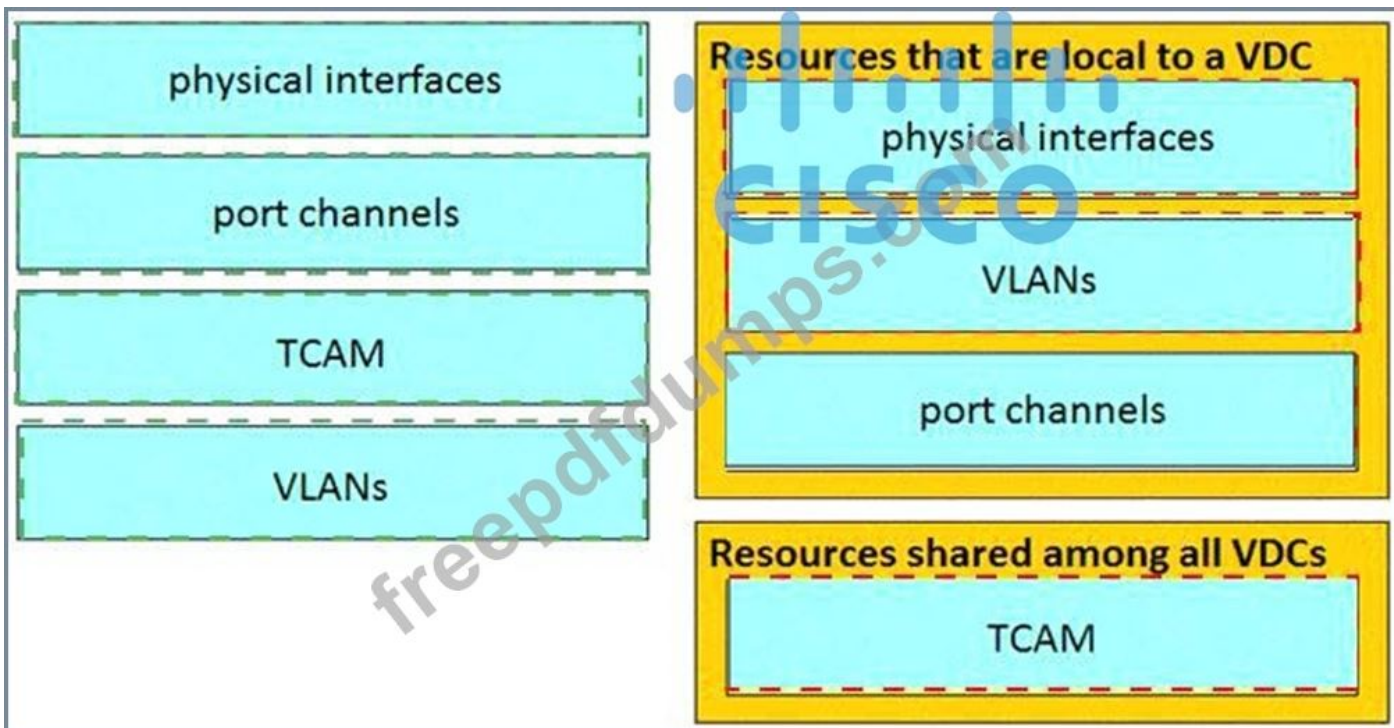
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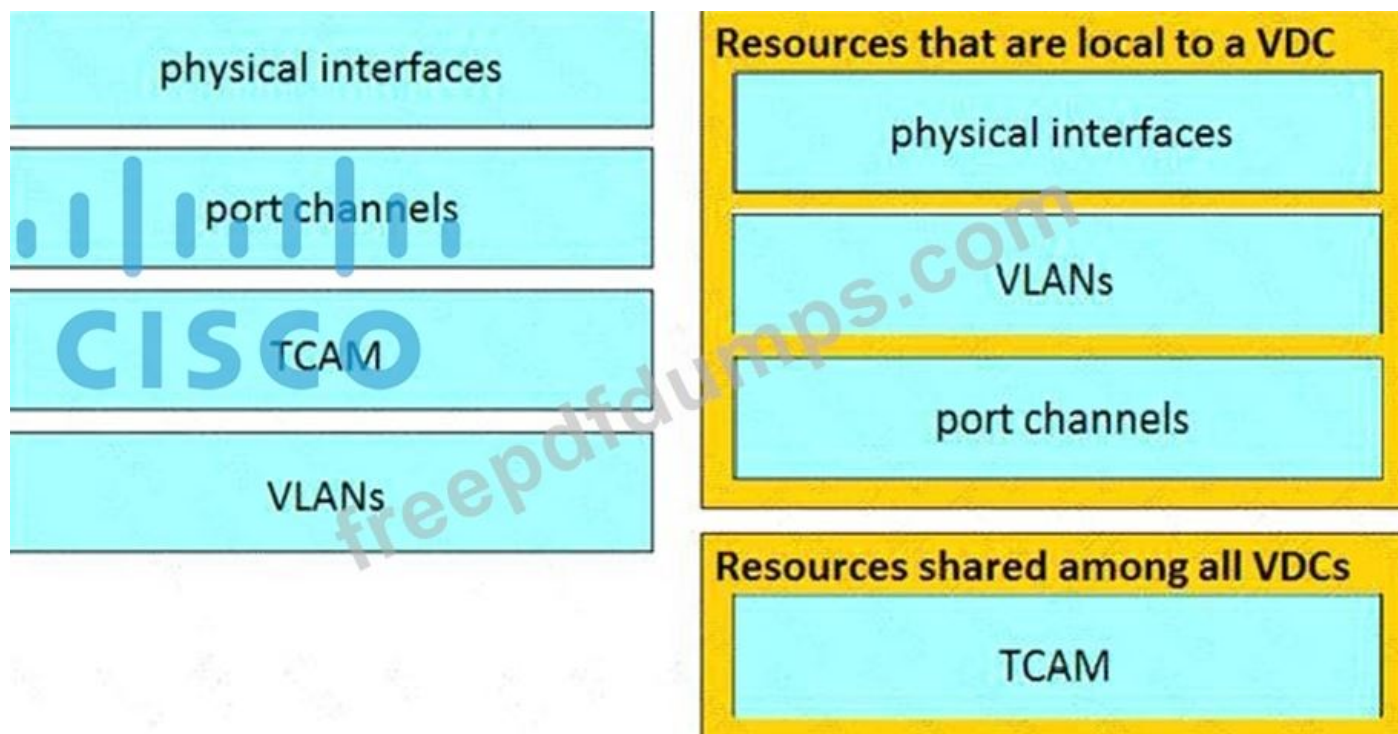
NEW QUESTION: 17

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



Answer:





Reference: https://www.cisco.com/c/en/us/td/docs/switches/datacenter/sw/nx-os/virtual_device_context/configuration/guide/b-7k-Cisco-Nexus-7000-Series-NX-OS-Virtual-Device-Context-Configuration-Guide/creating-vdc.html

NEW QUESTION: 18

An engineer working for a private telecommunication company with an employee ID 4419 90 979 is installing a pair of Nexus 7000 Series Switches and must deploy the solution with these requirements

*The environment must be separated for test and production purposes

*The separation should include control, data and management plane with fault domain isolation and improved security

*The test environment needs only F2 series line cards and a maximum of 256 VLANs Which set of actions meets these requirements?

A. Use VDC for each of the environments

Configure limit-resource module-type functionality for the test VDC

Enable limit resource vlan for the test VDC.

B. Use VDC for each of the environments

Configure allow feature set for both VRFs

Enable limit-resource vlan maximum for the test VRF

C. Use VRF faQUMlife environments

Configure allow feature set for both VRFs

Enable limit-resource vlan minimum for the test VRF

D. Use VRF for each of the environments

Configure limit-resource module-type functionality for the test VDC.

Enable module-type for the VRF

Answer: A (LEAVE A REPLY)

NEW QUESTION: 19

An engineer must interconnect two geographically separated data centers. The service provide offers a Layer

2 metro Ethernet link. The strict security policy requires that the information that is shared between two sites must be sent encrypted. The application deployed between sites requires a line-rate throughput regardless of the packet size and speed. Which solution meets these requirements?

- A. IPsec
- B. MACsec
- C. L2TPv2
- D. L2TPv3

Answer: ([SHOW ANSWER](#))

<https://www.cisco.com/c/dam/en/us/td/docs/solutions/Enterprise/Security/MACsec/WP-High-Speed-WAN-Encrypt-MACsec.pdf>

Furthermore, if the deployment requires that all traffic leaving/traversing the router must be encrypted, the overall throughput of the router is now restricted to the performance of the IPsec engine which, in most cases, can be a fraction of the router's aggregate forwarding capabilities. This is a huge factor from an economics perspective of cost per bit through the router and MACsec changes the encryption cost per bit through routing elements. For deployments requiring encryption and the capability of leveraging an Ethernet transport (public or private), **MACsec offers a simplified, line-rate, per port encryption** option for secure next-generation deployments.

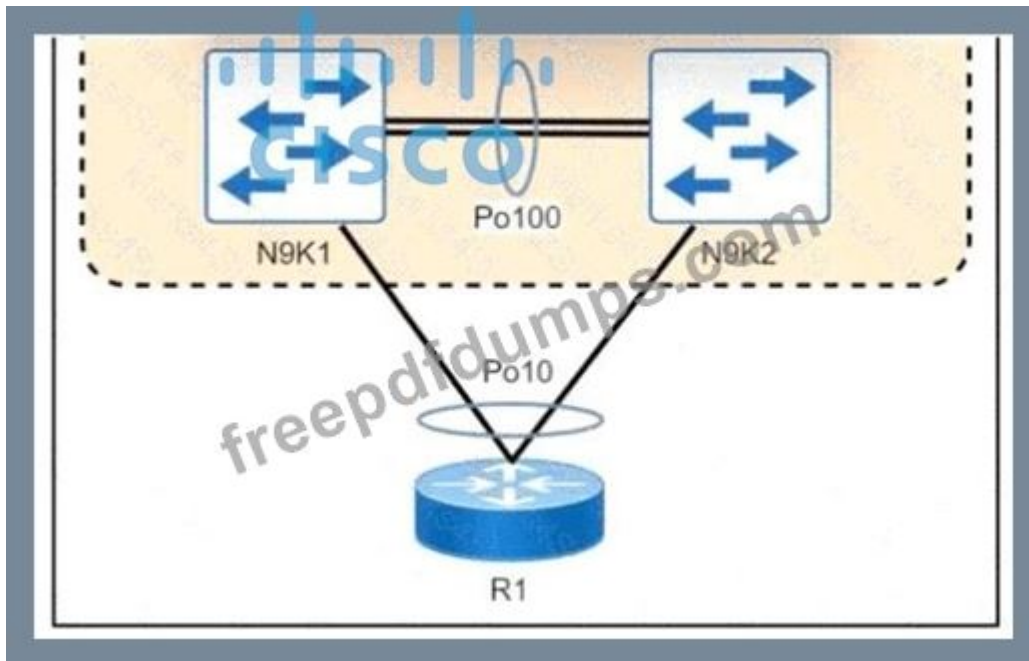
NEW QUESTION: 20

An engineer is designing a Cisco UCS Central implementation for an existing Cisco UCS infrastructure, and the current policies must be reused. Which action must the engineer select?

- A. Create new policies in Cisco UCS Central and change the assignment to central.
- B. Connect Cisco UCS Manager to Cisco UCS Central and convert local policies to global policies.
- C. Export the policies from Cisco UCS Manager and import them in Cisco UCS Central.
- D. Retain existing policies in Cisco UCS Manager and use global policies for new service profiles.

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

NEW QUESTION: 21



Refer to the exhibit. Two Cisco Nexus 9000 Series Switches exchange OSPF routing information with R1. Which action accomplishes this goal?

- A. Add layer3 peer-router under vPC interface link.
- B. Add peer-gateway under vPC domain.
- C. Add peer-gateway under vPC interface link.
- D. Add layer3 peer-router under vPC domain.

Answer: D (LEAVE A REPLY)

NEW QUESTION: 22

An engineer working for a private telecommunication company with an employee id 4298 53 420 must evaluate connectivity to the new data centre location based on Cisco Nexus 7000 Series Switches. The IP connectivity is already supplied by the service provider. The solution must provide a Layer 2 extension and optimize the traffic localization. Which technology supports these requirements?

- A. OTV over IP and multicast
- B. BGP over VPLS
- C. IS-IS multi site over ACI
- D. VXLAN over EoMPLS

Answer: (SHOW ANSWER)

NEW QUESTION: 23

An engineer must design a Cisco UCS environment that will connect to a storage area network. The solution must include support for these conditions:

- * connectivity to the existing 10 Gigabit Ethernet network
- * booting the server infrastructure from the network
- * integration with the existing Fibre Channel storage arrays
- * lossless data transfer

Which solution should be used to meet these requirements?

- A. FCoE
- B. FCP
- C. NFS
- D. CIFS

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

NEW QUESTION: 24

An engineer must design a solution with storage reachability between too physical servers and a storage array.

The storage array connectivity is to a SAN switch that is limited to 46 ports. Which topology meets the requirements without adding more MOS switches?

- A. VXLANs between the servers and the ToR switches that passes the FCoE traffic to the MDS switches
- B. FCoE between the servers and the ToR switches that passes the Fcoe Channel traffic to the MDS switches
- C. FCIP between the servers and Lite ToR switches that passes the Fibre Channel traffic to the MOS switches
- D. ISCSI between the servers and the ToR switches that passes the FCoE traffic to the MDS switches

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

NEW QUESTION: 25

Which feature provides a sandbox to convert NX-OS CLI commands to REST-based scripts on Cisco Nexus

7700 Series Switches?

- A. Postman
- B. NX-API
- C. Bash shell
- D. Guest shell

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 26

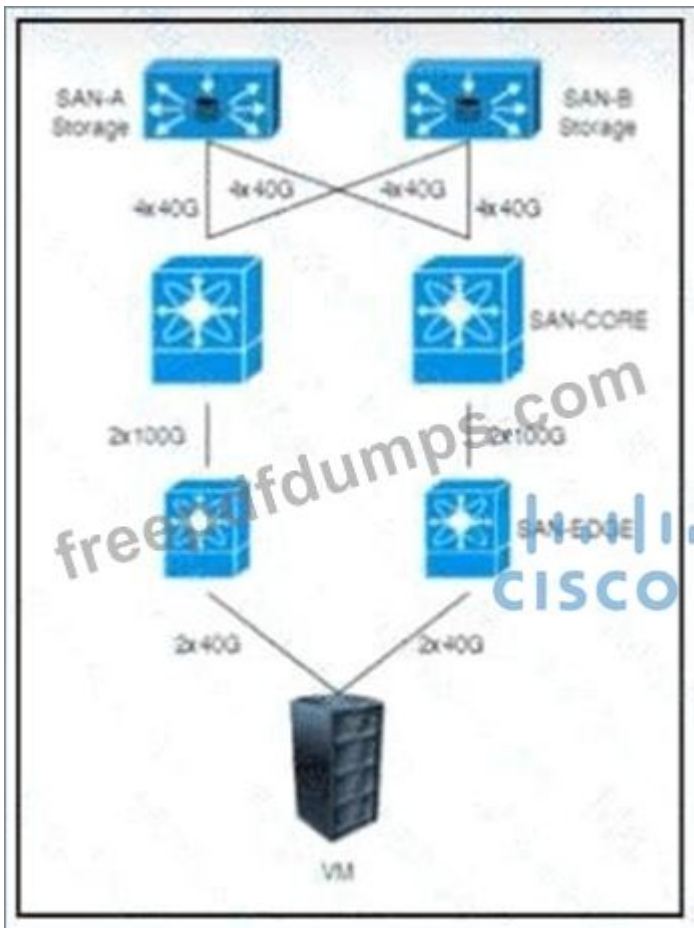
What is an advantage of using OTV as compared to VPLS for data center redundancy?

- A. prevents loops on point-to-point links
- B. provides head-end replication
- C. uses a proactive MAC advertisement
- D. provides full-mesh connectivity

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

Reference: <https://community.cisco.com/t5/data-center-documents/understanding-overlay-transport-virtualization-otv/ta-p/3151502#toc-hld-1043251551>

NEW QUESTION: 27



Refer to the exhibit. FCoE is used in the topology between the SAN Storage devices and SAN-Core routers.

After noticing traffic drops to hosts accessing SAN-B storage, the engineering team wants to reduce the oversubscription ratio in the topology. Which action must the team take?

- A. Configure QoS to prioritize SAN-A traffic
- B. Configure QoS to prioritize SAN-B traffic.
- C. Increase the bandwidth between the SAN-Coro and SAN-Edgo devices.
- D. Increase the bandwidth between SAN-A and SAN-B Storage toward the SAN-Core devices.

Answer: C (LEAVE A REPLY)

NEW QUESTION: 28

An engineer must provide Layer 2 adjacency between data centers that are in two locations and separated by a routed network. The adjacency must be based on Cisco Nexus 7000 Series Switches. The solution must offload learning of host reachability information to the control plane to avoid excessive flood and learn congestion. Also, the data center in one of the sites experiences a large volume of unknown unicast traffic that the solution must mitigate. Which data center interconnect technology meets these requirements?

- A. LISP
- B. VXLAN
- C. OTV
- D. VPLS

Answer: (SHOW ANSWER)

NEW QUESTION: 29

A networking team must implement a new management solution for the network devices at their organization.

The solution must meet these requirements

* It must enable seamless monitoring, configuration, and troubleshooting while ensuring security and reliability.

* It must allow access to devices even if the production network is down.

* It must be easy to use and manage.

The company's budget is limited. Which implementation must the team perform to meet the requirements?

A. in-band management solution that leverages the existing production network infrastructure for management traffic

B. out-of-band management solution to provide redundancy and flexibility

C. console-server solution to provide a dedicated management network

D. remote-access VPN solution to provide secure access to the network devices

Answer: B (LEAVE A REPLY)

NEW QUESTION: 30

The network engineering team at a large corporation operates a critical data center with stringent business requirements for network reliability and high availability. EIGRP is used as an interior routing protocol. The team is planning to implement a robust new redundancy strategy that minimizes downtime and maximizes network uptime. According to the requirements, business services can tolerate 3 seconds for failover performance. The solution must be based on RFC 2281. Which action must the team take as part of the implementation?

A. Implement GLBP to distribute traffic across multiple gateways to provide load sharing.

B. Implement VRRP to provide Layer 3 gateway redundancy.

C. Implement HSRP to provide gateway redundancy and failover.

D. Implement EIGRP with equal-cost multipath routing to provide load balancing.

Answer: C (LEAVE A REPLY)

NEW QUESTION: 31

An architect must automate routine tasks within a data center. The data center exclusively uses Cisco Nexus Series Switches. The networking team lacks proper programming knowledge and prefers an automation solution that leverages NXOS commands. Any configuration change must use HTTPS for transport due to a security compliance requirement. Which solution must the architect choose?

A. NX-API

B. Chef

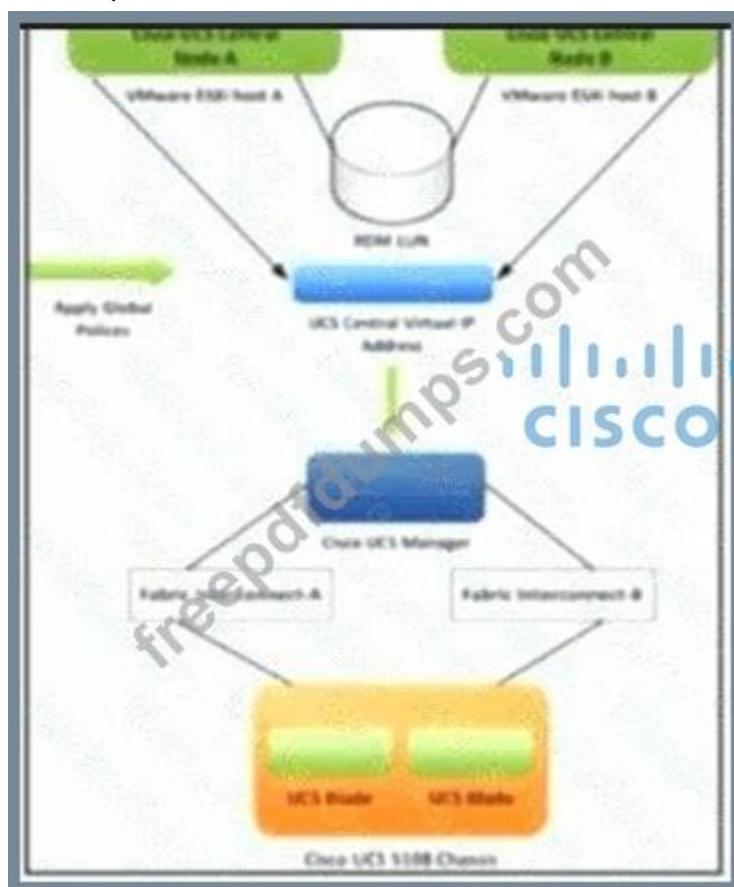
C. Python-API

D. Terraform

Answer: A (LEAVE A REPLY)

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NEW QUESTION: 32



Refer to the exhibit. A network engineer must improve high availability within the given UCS infrastructure. The engineer configured central nodes A and B in cluster mode to ensure that traffic fails over in the case of a network outage. Which type of redundancy will the cluster configuration provide?

- A. redundancy for the management plane only
- B. link-level redundancy via one management port
- C. redundancy via a single fabric interconnect
- D. redundancy for the management, control, and data planes

Answer: D (LEAVE A REPLY)

NEW QUESTION: 33

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.

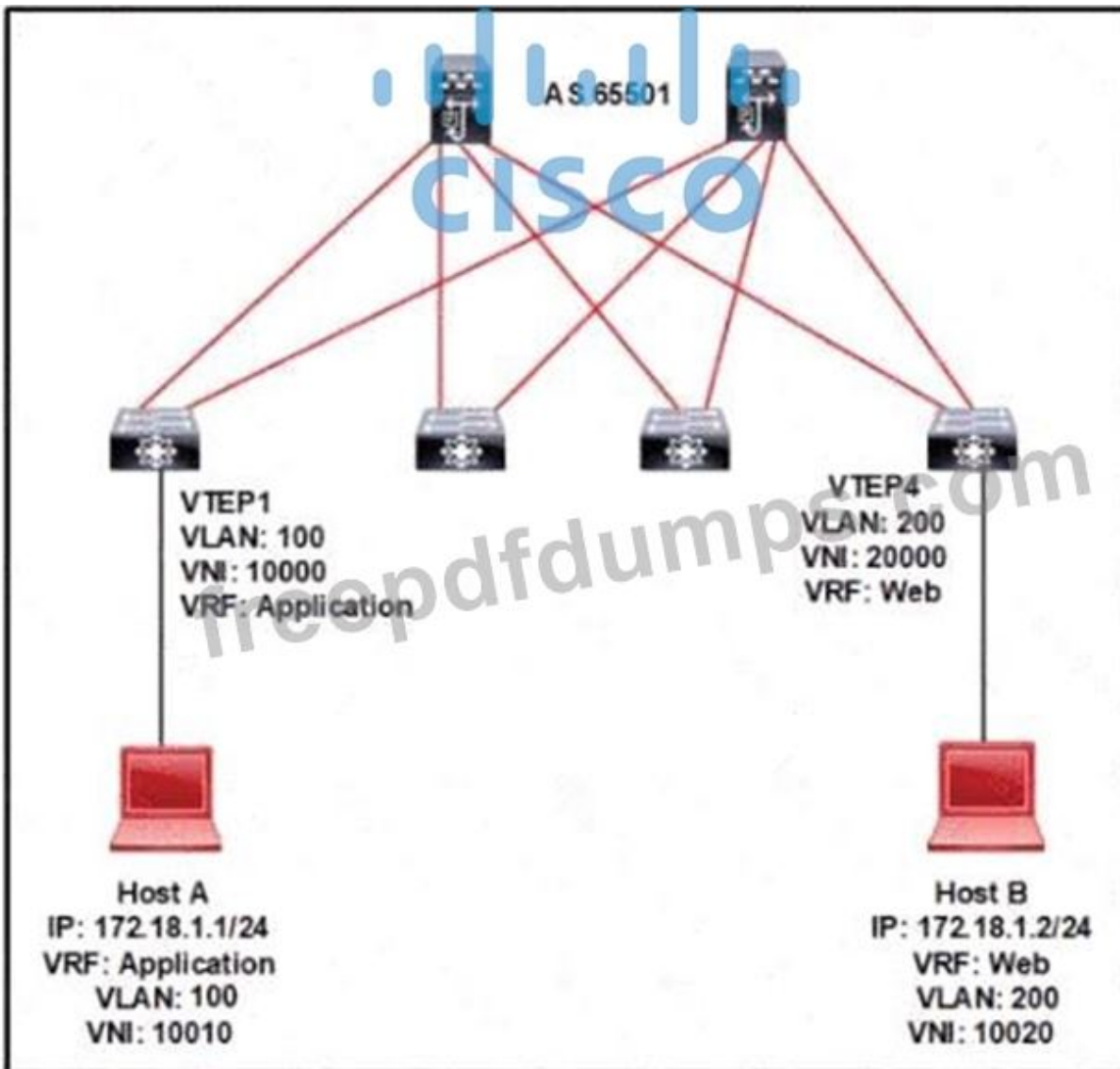
A network engineer verified the port-channel interface and finds that the congestion occurs when PFC frames are generated at the FCoE ingress interface. Which action must be taken to resolve the congestion issue?

- A. Reserve bandwidth for FCoE VLAN on the port-channel interface connected with storage.
- B. Enable the FCoE class in QoS on Cisco Nexus 5672UP switches.
- 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: B (LEAVE A REPLY)

Reference: https://www.cisco.com/c/en/us/td/docs/switches/datacenter/nexus5000/sw/qos/513_n1_1/b_cisco_nexus_5000_qos_config_gd_513_n1_1/b_cisco_nexus_5000_qos_config_gd_513_n1_1_chapter_011.html

NEW QUESTION: 34



Refer to the exhibit. An engineer deployed a VXLAN fabric with this configuration:

* interface VLAN 100 on VTEP1 with no IP address

* interface VLAN 200 on VTEP4 with no IP address

Which set of actions must the engineer take to ensure that host A communicates with host B?

A. Associate VNI 20000 to VRF Application on VTEP1.

Associate VNI 20000 to VRF Web on VTEP1.

B. Associate VNI 20000 to VRF Web on VTEP1.

Associate VNI 10000 to VRF Application on VTEP1.

C. Associate VNI 10000 to VRF Web on VTEP4.

Associate VNI 10000 to VRF Application on VTEP1.

D. Associate VNI 10000 to VRF Application on VTEP4.

Associate VNI 20000 to VRF Web on VTEP1.

Answer: A (LEAVE A REPLY)

NEW QUESTION: 35

Which type fields can an engineer use to identify an iSCSI participant? (Choose two.)

A. type

B. preshared key

C. port number

D. identifying tag

E. hostname

Answer: C,E (LEAVE A REPLY)

Reference: <https://en.wikipedia.org/wiki/ISCSI>

NEW QUESTION: 36

A network consultant evaluates the Ethernet Adapter Policy configuration to be applied to the Cisco UCS blade servers. The policy must minimize latency and increase throughput for sensitive applications. The solution must increase the CPU data cache hit rate to meet these requirements Which policy is required?

A. AIC

B. ARFS

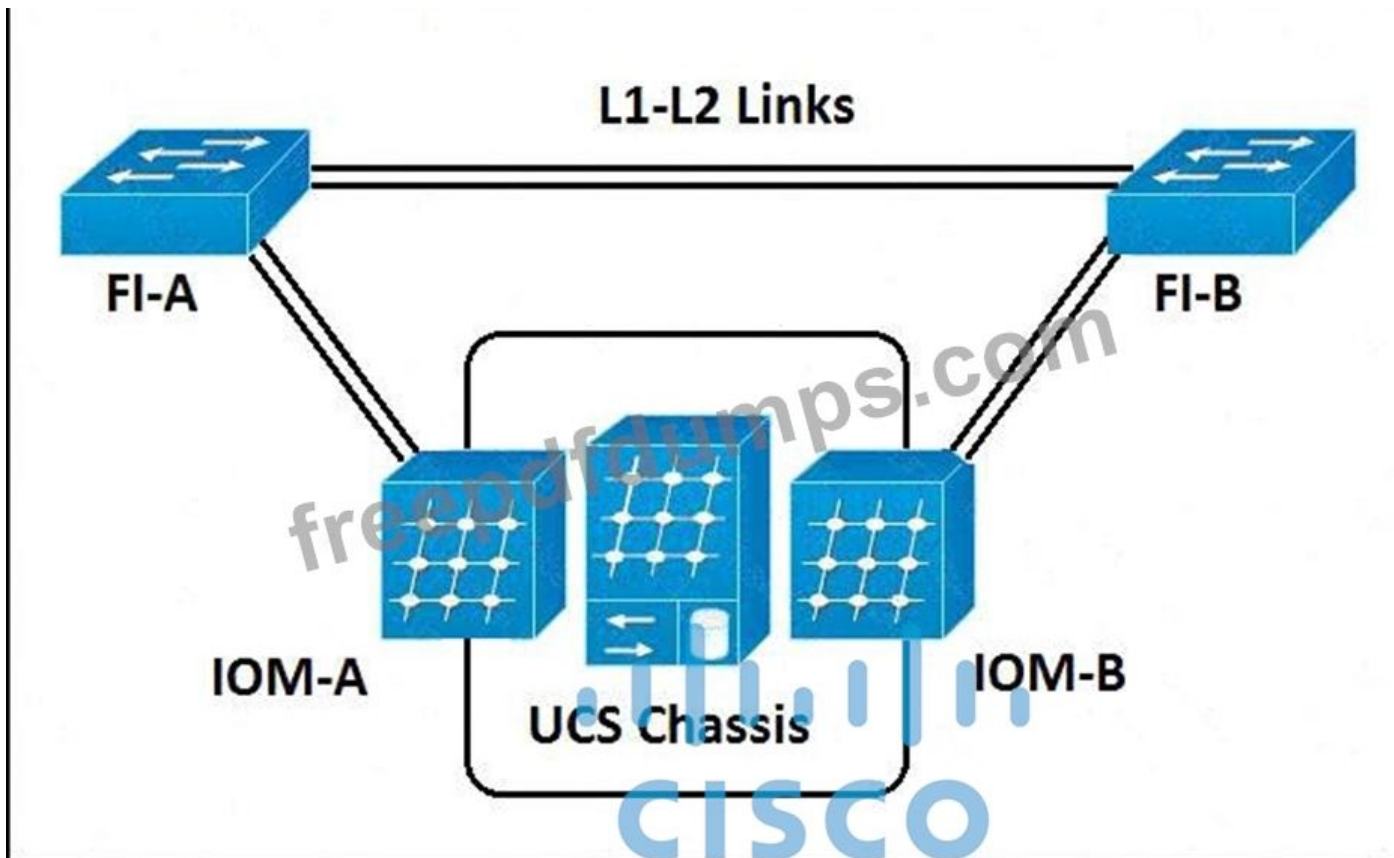
C. NVM-e

D. RDMA

Answer: B (LEAVE A REPLY)

NEW QUESTION: 37

Refer to the exhibit.



A Cisco UCS chassis that has two IOMs is discovered. The chassis discovery policy creates a fabric port channel. What is the result of this policy?

- A. Each uplink that connects an IOM is configured as a discrete link.
- B. Cisco UCS Manager creates two separate fabric port channels.
- C. Cisco UCS Manager creates a single fabric port channel.
- D. The port channel is disabled until an administrator enables it manually.

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 38

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: 39

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: ([SHOW ANSWER](#))

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

NEW QUESTION: 40

The end users report issues with datastore reachability between the newly installed virtual machines (VMs) and the storage array. The VMs are deployed on a Cisco C-Series server, directly connected with Cisco Nexus

5672UP switches over FCoE VLAN. The data traffic on VLAN 99, which is designated as a native VLAN, reaches its default gateway, but FCoE VLAN 99 fails to access the datastore. Which action resolves the problem?

- A. Implement FCoE traffic on VLAN 10 and data traffic on VLAN 99.
- B. Configure the FCoE VLAN in the VSAN database before including it in the trunk port.
- C. Implement host-facing FCoE ports as spanning-tree port type edge.
- D. Configure the FCoE VLAN traffic on a separate interface from any other VLANs that traverse the network.

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

NEW QUESTION: 41

A network engineer must design a high-performance, lossless Ethernet network to support AI workloads in a data center. The network uses a spine-leaf topology with Cisco Nexus 9000 Series Switches. The design must ensure that critical AI traffic can move seamlessly across the fabric without being dropped due to congestion.

The design requirements are:

- * Prevent packet drops for high-priority AI traffic flows.
- * Proactively manage and signal congestion to ensure continuous data flow even under heavy load.

Which design approach must be used to meet these requirements?

- A. Implement PFC only on high-priority traffic. Configure ECN across both spine and leaf switches.
- B. Use ECN across the network to manage congestion. Adjust the TCP settings for AI workload resilience.
- C. Enable PFC across all QoS classes. Tune buffer at the spine layer for AI traffic congestion.
- D. Configure PFC on all traffic classes across the spine-leaf topology. Enable ECN only on the leaf switches.

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 42

Drag and drop the configurations from the left onto the correct policies on the right.

Set the number of queues.	vNIC/vHBA Placement Policy
Set the RSS hash value.	
Assign each vCon to a physical adapter.	Ethernet Adapter Policy
Assign adapter order.	

Answer:

Set the number of queues.	vNIC/vHBA Placement Policy Assign each vCon to a physical adapter. Assign adapter order.
Set the RSS hash value.	
Assign each vCon to a physical adapter.	Ethernet Adapter Policy Set the number of queues. Set the RSS hash value.
Assign adapter order.	

Set the number of queues.	vNIC/vHBA Placement Policy Assign each vCon to a physical adapter. Assign adapter order.
Set the RSS hash value.	
Assign each vCon to a physical adapter.	Ethernet Adapter Policy Set the number of queues. Set the RSS hash value.
Assign adapter order.	

Reference: 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/configuring_network_related_policies.html#task_7F03A03C719A4A44B8ACFAD73AADC73C

NEW QUESTION: 43

An engineer must design the compute portion of a data center environment. The environment includes:

- * direct-attach Fibre Channel storage array with four 32 G Fibre Channel ports per controller
- * Cisco UCS B-series servers equipped with Cisco UCS IOM 2408 Fabric Extenders
- * Cisco 6454 Fabric Interconnects

The fabric interconnects conned to the LAN via 100G ports, the SAN via 32 G Fibre Channel ports, and the IOM 2408 via 10 G ports. Which storage connectivity strategy must the engineer choose?

- A.** * UCS: Qty (our 802.1q trunks from each IOM to each fabric interconnect
- * Storage: Qty two Fibre Channel links from each SAN controller to each fabric Interconnect
- B.** UCS' two-port PortChannel from each IOM10 each fabric interconnect.
- * Storage: Qty four Fibre Channel links from each SAN controller Id each fabric interconnect.
- C.** * UCS; four-port back-to-baok PortChannel between IOM and fabric interconnect
- * Storage; two-port SAN-PortChannel from each SAN controller to each fabric interconnect
- D.** * UCS: four-poll Port Channel from each IOM to each fabric interconnect
- * Storage; tour-port SAN-PortChannel from each SAN controller to each fabric interconnect

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

NEW QUESTION: 44

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

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

NEW QUESTION: 45

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

Answer: (SHOW ANSWER)

NEW QUESTION: 46

Which Ethernet to Cisco Fabric Interconnect connectivity configuration is supported when FCoE is implemented?

- A. VSS that has unified uplinks
- B. Ethernet and unified ports on the same port channel
- C. vPC that has unified uplinks
- D. cross-connections with pinning

Answer: ([SHOW ANSWER](#))

Reference: <https://www.cisco.com/c/en/us/support/docs/servers-unified-computing/ucs-manager/116188-configure-fcoe-00.html#anc11>

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NEW QUESTION: 47

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: 48

A Cisco engineer is configuring MPLS VPN BGP at a customer site that is connected to the provider site by more than one path MPLS VPN BGP Local Convergence link protection is enabled. After the engineer installs the main forwarding path and the redundant backup path within the BGP, they assign a unique route distinguisher to each VRF table on all PE devices that serve as a backup to the link. What is a prerequisite for this local convergence to work?

- A. BGP must support lossless switchover between operational paths
- B. The system is performing a PE-CE link protection on both ends
- C. Interautonomous system option A (back-to-back VRF) is active.
- D. IP/GRE is enabled.

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

NEW QUESTION: 49

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

<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>

NEW QUESTION: 50

Refer to the exhibit A company plans to implement high availability between the iSCSI host and the Fibre Channel target. Which solution must the company implement to recover from a failure of a host NIC. MDS IP storage port or Fibre Channel target port?

- A. Implement HSRP of the MDS IP storage ports
- B. Map the Fibre Channel target ports to one IP storage port
- C. Set up IP storage ports to export the two Fibre Channel target ports
- D. Configure FCoE between the host NICs and MDS ports

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

NEW QUESTION: 51

Which two types of service profile templates does Cisco UCS support? (Choose two.)

- A. initial
- B. permanent
- C. updating
- D. temporary
- E. connected

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

Reference: https://www.cisco.com/en/US/docs/unified_computing/ucs/sw/gui/config/guide/141/UCSM_GUI_Configuration_Guide_141_chapter28.html#concept_C9D27CE2AA1245EA976DAA79F5BC6808

NEW QUESTION: 52

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

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

NEW QUESTION: 53

An engineer must connect a storage array directly to an existing Cisco UCS Fabric Interconnect. The customer requires a solution that provides IP-based storage that does not need to be connected through an external switch. Also, the operations team wants to have the ability to have direct access to the files stored on the storage array from their Linux hosts. Which storage technology meets these requirements?

- A. FCoE
- B. SAN
- C. SCSI
- D. NAS

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

NEW QUESTION: 54

In this data structure, what is the XML terminology for the `currency="usd"` code snippet?

```
<? xml version="1.0" encoding="UTF-8"?>
<ciscopress>
<book isbn="50581730795252386">
<title>Routing TCP/IP</title>
<author>Jeff Doyle</author>
<category></category>
<year>2005</year>
<edition>2</edition>
<price currency="usd">72</price>
</book>
</ciscopress>
```

- A. root element start tag
- B. attribute
- C. character
- D. root element end tag

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

NEW QUESTION: 55

An engineer must design a Cisco UCS environment for a customer. The design requires the most efficient use of available bandwidth with active-active uplinks. The upstream Cisco Nexus 9000 Series Switch must

automatically initiate the port-channel connectivity to the fabric interconnects Which configuration must the engineer choose to meet these requirements?

A. * fabric interconnects in Ethernet switching mode

* LACP port-channel from fabric interconnects and Cisco Nexus 9000 switches

B. * fabric interconnects in Ethernet switching mode

* static port-channel from fabric interconnects and Cisco Nexus 9000 switches

C. * fabric interconnects in Ethernet end-host mode

* LACP port-channel from fabric interconnects and Cisco Nexus 9000 switches

D. * fabric interconnects in Ethernet end-host mode

* static port-channel from fabric interconnects and Cisco Nexus 9000 switches

Answer: C (LEAVE A REPLY)

Reference: 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_011.html

Cisco UCS Fabric Interconnect in Switch Mode with Cisco MDS 9000 Family Fibre Channel Switching Modules When the Cisco UCS Fabric Interconnect is in switch mode, the port channel mode can only be in ON mode and not Active . However, to get the peer wwn information for the Fabric Interconnect, the port channel must be in Active mode.

NEW QUESTION: 56

What are two advantages of using Cisco vPC over traditional access layer designs? (Choose two.)

A. supports Layer 3 port channels

B. disables spanning-tree

C. no spanning-tree blocked ports

D. uses all available uplink bandwidth

E. maintains single control plane

Answer: C,D (LEAVE A REPLY)

Reference: https://www.cisco.com/c/dam/en/us/td/docs/switches/datacenter/sw/design/vpc_design/vpc_best_practices_design_guide.pdf

NEW QUESTION: 57

An engineer is deploying a Fabric Interconnect within a data center SAN over a Fiber Channel link in end-host mode. The hosts are connected through multiple vHBAs, each of which has been hard-pinned to a specific Fibre Channel uplink. What happens to the vHBAs if the Fibre Channel uplink port fails?

A. The system performs repinning to an active uplink, and the vHBAs remain operational.

B. The vHBAs go down and remain down until the fabric interconnect mode is changed to switch mode.

C. The vHBAs go down and remain down until the uplink is restored because the system cannot perform repinning.

D. The vHBAs remain operational because SAN pin groups are ignored in end host mode.

Answer: C (LEAVE A REPLY)

NEW QUESTION: 58

Drag and drop the components from the left onto the descriptions on the right that indicate what occurs to Fibre Channel fabric when that component fails.

fabric interconnect	The Fibre Channel fabric fails for all of the connected Cisco UCS chassis.
FEX	The Fibre Channel fabric fails for one Cisco UCS chassis.
FEX link of the fabric interconnect	The Fibre Channel fabric fails for some of the servers within a Cisco UCS chassis.
converged network adapter	The Fibre Channel fabric fails for one server.

Answer:

fabric interconnect	converged network adapter
FEX	FEX link of the fabric interconnect
FEX link of the fabric interconnect	fabric interconnect
converged network adapter	FEX

NEW QUESTION: 59

Refer to the exhibit.

A high-availability setup for iSCSI is designed with the host running iSCSI software. Each storage port on the MDS exports the same two Fibre Channel target ports with different iSCSI target names. In this design, how many iSCSI sessions are created from the host so that recovery occurs if any component fails?

- A. 2
- B. 3
- C. 4
- D. 5

Answer: C (LEAVE A REPLY)

https://www.cisco.com/en/US/docs/storage/san_switches/mds9000/sw/rel_3_x/configuration/guides/fm_3_2/ciscsi.html

NEW QUESTION: 60

Where does Cisco UCS handle Fibre Channel traffic failover?

- A. on a Cisco UCS Fabric Interconnect ASIC in Fibre Channel switching mode
- B. on the host, by using multipathing software
- C. in the hardware on the Cisco UCS VIC 12xx adapter or later
- D. in the hardware on any Cisco UCS VIC adapter

Answer: B (LEAVE A REPLY)

Reference: https://www.cisco.com/c/en/us/solutions/collateral/data-center-virtualization/unified-computing/whitepaper_c11-701962.html

NEW QUESTION: 61

Refer to the exhibit. A Cisco engineer is configuring a data center design scenario with Cisco MDS 90Q0 Series Switches. The cut-through routing mode is chosen for improved read operation performance. Each SCSI host requires access to storage through the IPS module. First, the engineer configures the TCP tuning parameters as enabled SACK, the maximum bandwidth of 1 Gbps, buffer size of 4096, keepalive timeout at

1s, and enables Path MTU. Then, the engineer must set the OoS of the iSCSI link. What is the maximum QoS value that must be set for the iSCSI session?

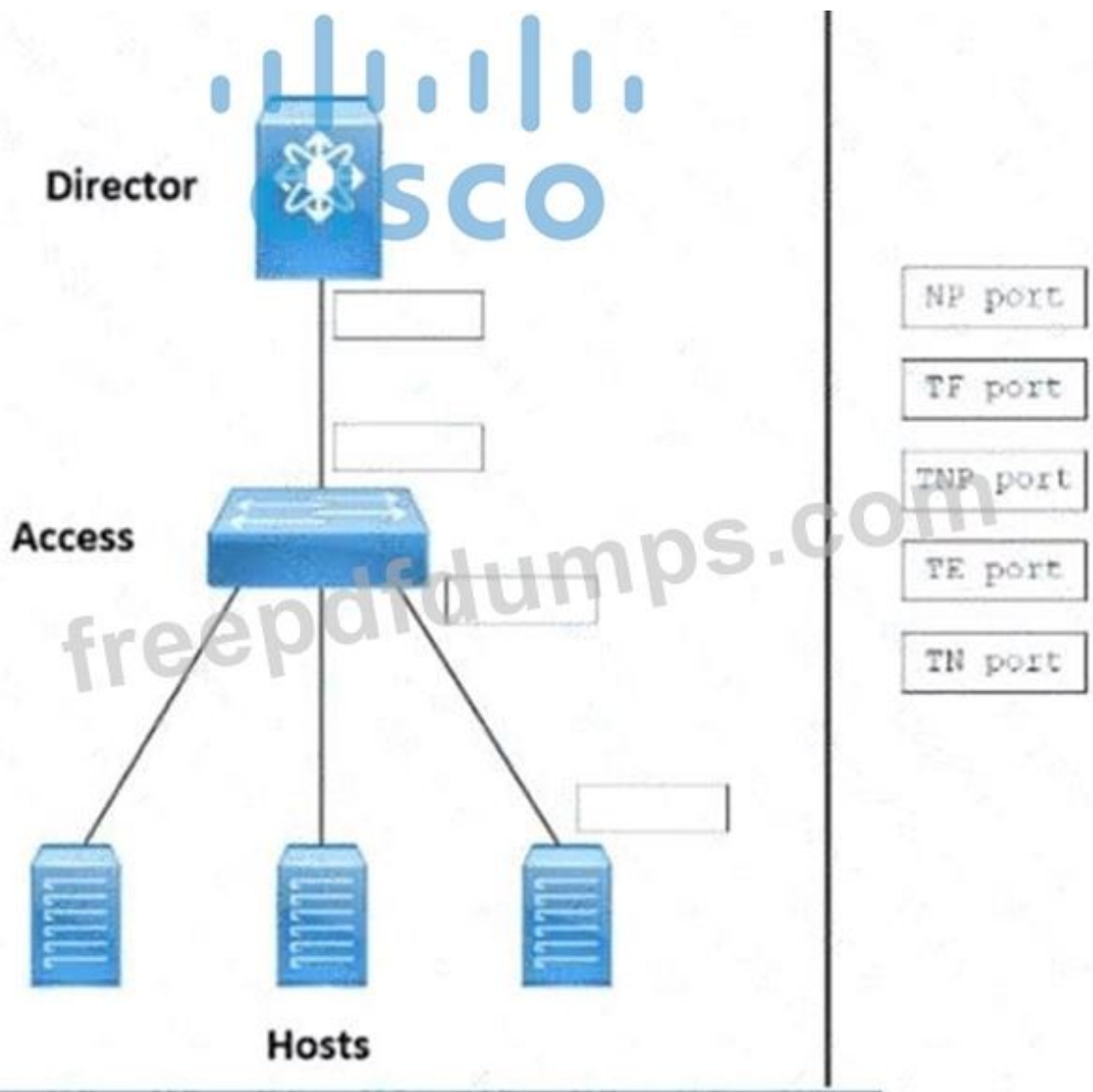
- A. 1
- B. 63
- C. 3
- D. 5

Answer: B (LEAVE A REPLY)

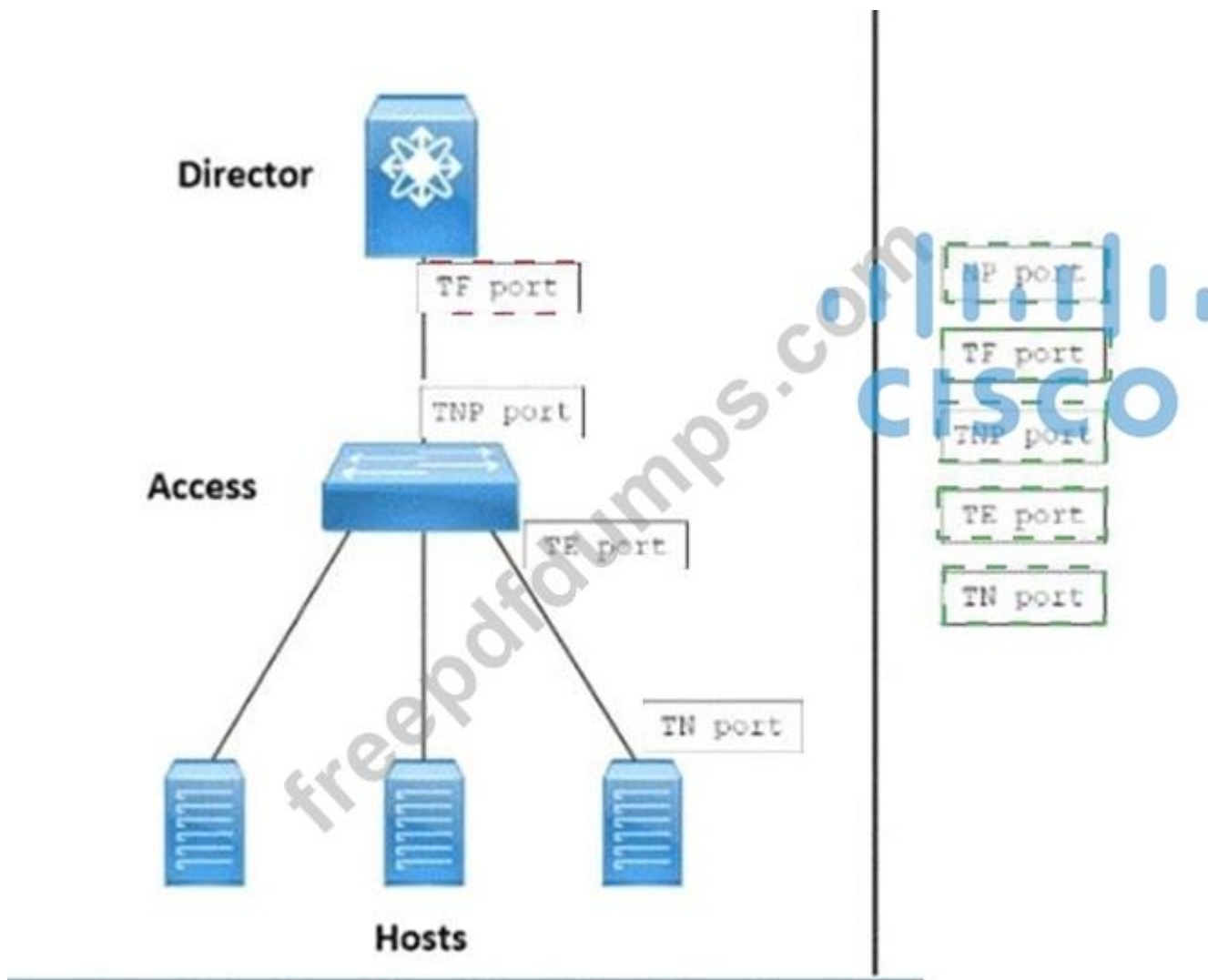
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NEW QUESTION: 62

A customer is deploying a SAN based on Cisco MDS 9000 Series Switches. Each Inter-Switch Link must carry multiple VSANs at the same time. The access switch must share the same domain ID as the director switch to reduce the number of domain IDs needed in the fabric. Drag and drop the operational port types from the right onto the boxes on the left to create a topology that meets these requirements. Not all port types are used. Port types are used more than once.



Answer:



NEW QUESTION: 63

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: A (LEAVE A REPLY)

https://www.cisco.com/c/dam/en/us/products/collateral/switches/nexus-7000-series-switches/guide_c07-728315.pdf

NEW QUESTION: 64

An engineer needs to configure multiple network devices using Ansible. Device passwords must meet these requirements:

be stored securely

not be visible as plaintext

be available to Ansible playbooks for executing scripts

Which solution must the engineer choose?

- A. Encrypt passwords as Ansible environment variables
- B. Store the passwords within a Git repository Secrets Manager
- C. Encrypt a password variable file using Ansible Vault.
- D. Encrypt the passwords within the Ansible inventory file.

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

NEW QUESTION: 65

An enterprise is experiencing transmission errors and excessive delays over their WAN when backing up user workstations. A systems architect decided to resolve the problems by centralizing data storage and processing to within the confines of the data center. Which technology is most suitable to mitigate the issues?

- A. RAS
- B. VDC
- C. QoS
- D. VDI

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 66

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

Answer: ([SHOW ANSWER](#))

Reference: https://dcloud-cms.cisco.com/demo_news/cisco-dcnm-11-3-for-vxlan-evpn-multi-site-deployments-lab-v1

NEW QUESTION: 67

Refer to the exhibit.

```
Switch(config-sys-qos)# show policy-map system
Type network-qos policy-maps
```

```
=====
policy-map type network-qos system
  class type network-qos class-fcoe
    match qos-group 1
    pause no-drop
    mtu 2000
  class type network-qos class-default
    match qos-group 0
    mtu 1500
Service-policy (qos) input: system
policy statistics status: disabled
Class-map (qos) : class fcoe (match-any)
  Match : cos 3
  set qos-group 1
Class-map (qos) : class-default (match-any)
  Match: any
  set qos-group 0
```

The FCoE packets fail to be forwarded through the switch. What is the minimum MTU QoS requirement for the FCoE to work?

- A. 9000 bytes
- B. 2000 bytes
- C. 2158 bytes
- D. 2240 bytes

Answer: (SHOW ANSWER)

This policy map shows a wrong MTU config. Check "12. Do I need to enable Jumbo frames for FCOE?" in <https://community.cisco.com/t5/data-center-documents/fibre-channel-over-ethernet-fcoe-questions-and-answers-from-live/ta-p/3108755>

https://www.cisco.com/c/en/us/td/docs/switches/datacenter/nexus5000/sw/qos/521_n1_1/b_5k_QoS_Config_521N11/b_5k_QoS_Config_521N11_chapter_0110.html

NEW QUESTION: 68

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

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

Reference: https://www.cisco.com/c/en/us/td/docs/routers/connectedgrid/cgr1000/ios/software/15_4_1_cg/vrf_cgr1000.html

NEW QUESTION: 69

A customer connects a high-speed Fibre Channel storage array to a Cisco MDS 9000 Series Switch using an 8 Gbps interface.

Which action guarantees line rate traffic processing on the interface?

- A. Configure the interface rate mode as dedicated.
- B. Set local buffering with B2B_credits for the interface.
- C. Configure the interface rate mode as shared.
- D. Set global buffering with B2B_credits for the interface.

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

NEW QUESTION: 70

A company data center requires a new disaster recovery solution to host critical services. The solution can sustain several hours of data loss because the services are routinely backed up to an offsite location.

Also, the disaster recovery solution must provide 24-hour availability. Due to the strict policy requirements, the company wants to retain complete control of when the failover process occurs. Which solution meets these requirements?

- A. cold standby
- B. warm standby
- C. active/active
- D. hot standby

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 71

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: ([SHOW ANSWER](#))

Python is object-oriented and imperative language.

YAML is declarative.

NEW QUESTION: 72

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

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 73

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

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

NEW QUESTION: 74

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

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

NEW QUESTION: 75

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. NPIV

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

Answer: D (LEAVE A REPLY)

NEW QUESTION: 76

A client in a commercial building installs a Cisco blade server in the multitenant Cisco UCS blade Infrastructure. To cut operating costs the client's data center is shared with other organizations. The client asks an engineer prevent third parties from accessing their equipment and from accessing BIOS-related information when booting a server. Which Two policies must be used to meet these requirements?

(Choose two.)

- A. quiet boot
- B. post error pause
- C. ASPM support
- D. CDN control
- E. front panel lockout

Answer: A,D (LEAVE A REPLY)

https://www.cisco.com/c/en/us/td/docs/unified_computing/ucs/ucs-manager/GUI-User-Guides/Server-Mgmt

[/3-2/b_Cisco_UCS_Manager_Server_Mgmt_Guide_3_2](#)

[/b_Cisco_UCS_Manager_Server_Mgmt_Guide_3_2_chapter_01110.html](#)

Quiet boot is what the BIOS displays during booting the server. If enabled, the BIOS displays the logo screen.

I believe that quiet boot and CDN control may have the customer name.

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NEW QUESTION: 77

Refer to the exhibit.

A Cisco engineer is configuring Cisco Nexus 7000 Series Switches To simplify initial configuration verification and vPC+/HSRP troubleshooting, the engineer configures the primary vPC+ peer device with the FHRP active router highest priority The primary FHRP device responds to ARP requests, even though the secondary vPC+ device also forwards the data traffic Which configuration enables the Layer 3 connectivity from each vPC+ peer device?

- A. Set a restore timer that delays the vPC+ restart

- B. Ensure that the enhanced Layer 2 license has been installed.
- C. Configure a VLAN network interface for the same VLAN from both devices
- D. Manually configure virtual MAC addresses for any FHRP protocol

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

NEW QUESTION: 78

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

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

NEW QUESTION: 79

An engineer develops a framework for automatic repetitive tasks needed to manage a Cisco Nexus 9000 Series Switch. The engineer plans to use a programmatic interface and must keep these considerations in mind.

- *The customer's environment requires the script to authenticate before executing further actions.
- *The customer's security requirements mandate the use of HTTP transport.
- *The automation team is familiar with parsing messages encoded in XML or JSON format.

Which solution meets these requirements?

- A. gRPC
- B. NX-API
- C. RESTCONF
- D. SNMPv3

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 80

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: ([SHOW ANSWER](#))

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

NEW QUESTION: 81

Which factor determines the choice of platform designing a Cisco HyperFlex infrastructure to support computer-aided design applications?

- A. network speed
- B. GPU support
- C. storage capacity
- D. processor count

Answer: C (LEAVE A REPLY)

<https://www.cisco.com/c/dam/en/us/products/collateral/hyperconverged-infrastructure/hyperflex-hx-series/whitepaper-c11-740243.pdf>

<https://www.cisco.com/c/dam/en/us/products/collateral/hyperconverged-infrastructure/hyperflex-hx-series/hx-220c-m5-specsheet.pdf>

NEW QUESTION: 82

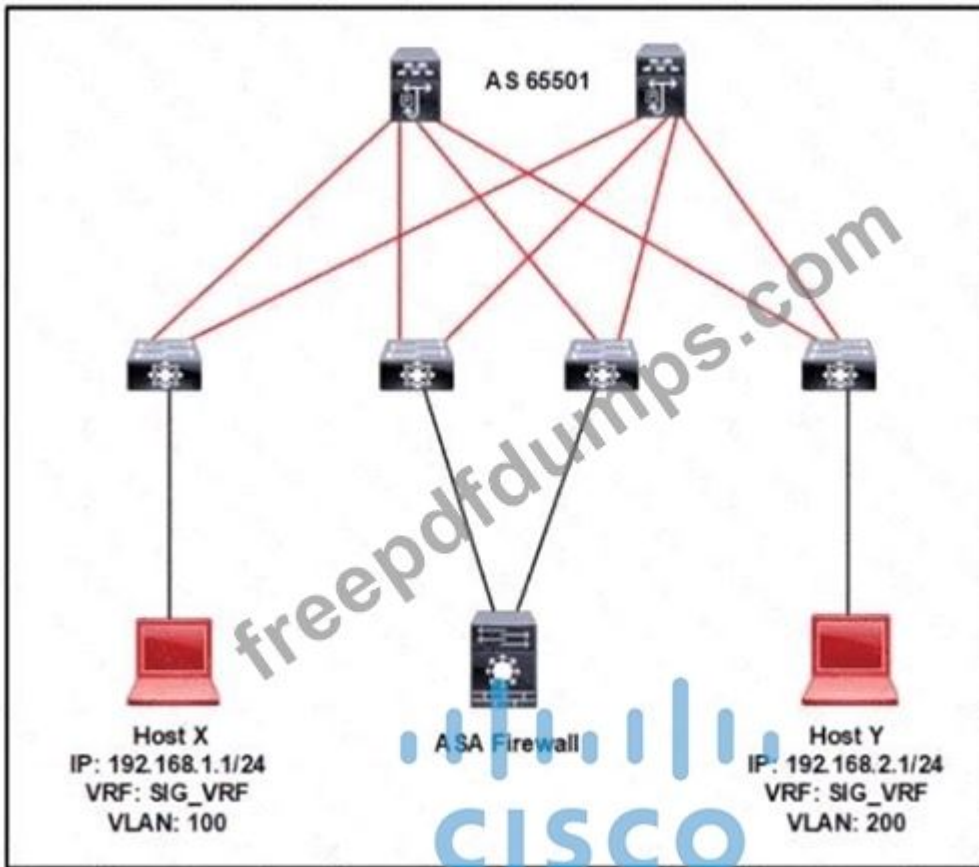
A company purchased a Cisco UCS system with four 5108 Chassis populated with UCS B-Series servers. The environment consists of nine Cisco HyperFlex rack servers. An engineer must provision virtual machines using an orchestration tool to optimize overall deployment time.

Which orchestration must be used to meet this requirement?

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

Answer: (SHOW ANSWER)

NEW QUESTION: 83



Refer to the exhibit. An engineer builds a data center network design using EVPN technology. Within the design, the fabric acts as a gateway. Traffic from host X to host Y must pass through the Cisco ASA firewall for deep packet inspection and increased security. Which firewall deployment must the engineer choose to accomplish this goal?

- A. routed mode
- B. VLAN stitching
- C. VRF sandwich

Answer: C (LEAVE A REPLY)

NEW QUESTION: 84

A company owns a large-scale compute infrastructure that consists of over 1000 servers and virtual machines.

The operational complexity continues to grow with additional policies and servers added to the environment.

An infrastructure engineer is looking for an automation tool to reduce the operational complexity of configuring complex infrastructure. Because of the strict security requirements, the tool must be agentless, use the secure shell for transport, and be extendable using existing Python modules. Which tool meets these requirements?

- A. Saltstack
- B. NSO
- C. Ansible
- D. Puppet

Answer: (SHOW ANSWER)

NEW QUESTION: 85

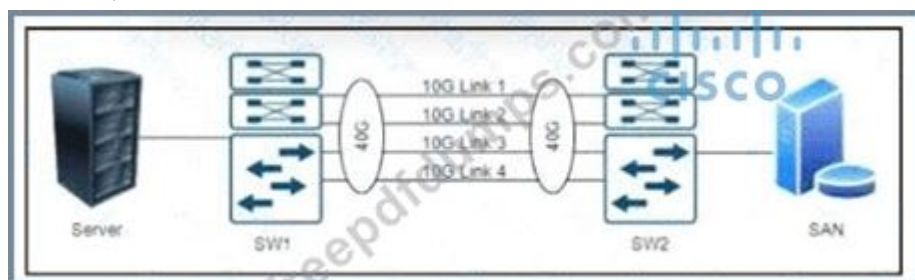
An engineer is implementing a Cisco UCS environment. The requirements for the solution are for the MAC addresses to be learned only on the server-facing ports. The use of the Spanning Tree Protocol must be avoided. Also, the engineer must have deterministic traffic handling from blades to uplink ports.

Which two settings must be selected to meet these requirements? (Choose two.)

- A. static pinning
- B. NPIV mode
- C. switching mode
- D. end-host mode
- E. dynamic pinning

Answer: A,D (LEAVE A REPLY)

NEW QUESTION: 86



Refer to the exhibit. A 4x10G Fibre Channel has been configured between SW1 and SW2 to carry backup traffic sourced to and from the SAN. An engineer noticed that 10G Link 1 is being used more heavily than the other links within the port channel. Which action must the engineer take on the two switches to ensure that the traffic uses all available links between SW1 and SW2?

- A. Configure dst-mac-based load-balancing.
- B. Configure flow-based load-balancing.
- C. Configure src-dst-ip-based load-balancing.
- D. Configure exchange-based load-balancing.

Answer: (SHOW ANSWER)

NEW QUESTION: 87

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: 88

Which two paths are provided by deploying an OOB management network in a data center that uses Cisco Nexus switches? (Choose two.)

- A. Layer 2 for a vPC peer link
- B. Layer 3 for vPC keepalive packets
- C. Layer 3 for monitoring purposes
- D. Layer 3 for server traffic
- E. Layer 2 for server traffic

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

NEW QUESTION: 89

Which orchestration tool must be used to manage VXLAN fabrics and includes a built-in dashboard and real-time network health summary for managed devices?

- A. Puppet
- B. Cisco Intersight
- C. Cisco Nexus Dashboard Fabric Controller
- D. Ansible

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 90

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

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 91

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

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

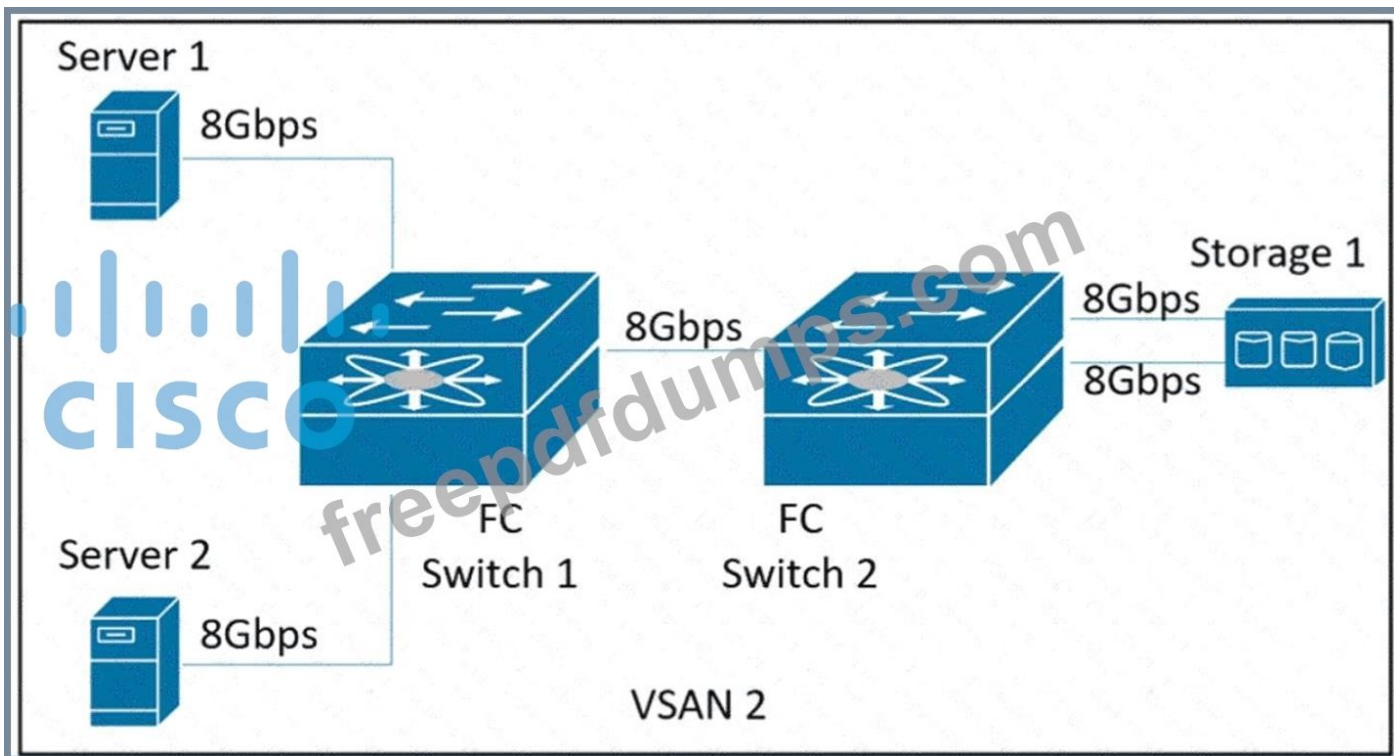
Answer: D ([LEAVE A REPLY](#))

Reference: https://www.cisco.com/c/en/us/td/docs/unified_computing/ucs/ucs-manager/GUI-User-Guides/Storage-Mgmt/3-1/b_UCSM_GUI_Storage_Management_Guide_3_1/b_UCSM_GUI_Storage_Management_Guide_3_1_chapter_01110.html

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NEW QUESTION: 92

Refer to the exhibit.



A customer runs an Online Transaction Processing (OLTP) application on Server1. The application generates a small number of transactions and requires low storage latency. Server2 is a backup server that performs backups twice a day. During the backup window, the OLTP application experiences high-latency spikes that affect the application performance. The customer must meet these requirements:

- *Maintain consistent low I/O latency for the OLTP server.
- *Guarantee I/O throughput for the OLTP server during backup time
- *Allow the customer to keep the existing hardware.

Which action must be taken to meet these requirements?

- A. Add another 8G link to the Server1 and create F-Port-channel
- B. Configure QoS and scheduler for data traffic on both Fibre Channel switches
- C. Create a SAN port channel between FC Switch1 and FC Switch2.

D. Apply a traffic shaper to the FC Switch 1 interface that is facing the server

Answer: B (LEAVE A REPLY)

NEW QUESTION: 93

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

Answer: D (LEAVE A REPLY)

NEW QUESTION: 94

An engineer is configuring a Cisco UCS Service Profile template for an environment that will host Windows servers. Some of the servers require access to a Fibre Channel storage network. The design requires the server HBA to send the maximum number of commands to a Fibre Channel disk using a single transmission. Which action must be taken to meet these requirements?

- A. Decrease Link Down Timeout to 20.000
- B. Increase Max Data Field Size to 2096
- C. Set LUN Queue Depth to 240
- D. Disable 10 Timeout Retry

Answer: C (LEAVE A REPLY)

NEW QUESTION: 95

An engineer configured the OSPF protocol in the vPC topology. During the catastrophic failure of one of the vPC member switches, the traffic was routed to a black hole. This route was caused by the long convergence time caused by the delay of the vPC member switch reboot. After the failure, the engineer rebooted both switches, but the secondary switch powered on before the primary one. It caused all the vPCs to be shut down due to consistency-check violations. Which two features must be used to prevent these situations from happening in the future? (Choose two.)

- A. auto-recovery
- B. system priority
- C. delay restore
- D. ip arp synchronize
- E. peer-gateway

Answer: (SHOW ANSWER)

System priority is related to LACP, not vPC, so it is out. ARP s

<https://www.cisco.com/c/en/us/support/docs/switches/nexus-7000-series-switches/116187-configure-vpc-00>.

html

<https://www.cisco.com/c/en/us/support/docs/ios-nx-os-software/nx-os-software/212589-understanding-vpc-election-process.html>

vPC Delay Restore

After a vPC peer device reloads and comes back up, the routing protocol needs time to reconverge. The recovering vPCs leg may black-hole routed traffic from access to aggregation/core until uplink Layer 3 connectivity is reestablished.

vPC Delay Restore feature delays vPCs leg bring-up on the recovering vPC peer device. vPC Delay Restore allows for Layer 3 routing protocols to converge before allowing any traffic on vPC leg. This results in a more graceful restoration and zero packet loss during the recovery phase (traffic still get diverted on the alive vPC peer device). This feature is enabled by default with a vPC restoration default timer of 30 seconds. The timer can be tuned according to a specific Layer 3 convergence baseline from 1 to 3600 seconds.

NEW QUESTION: 96

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

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

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

NEW QUESTION: 97

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

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

NEW QUESTION: 98

A customer needs a design for a new network. VLANs must be dynamically provisioned based on the information received from connected hosts. No Layer 2 or Layer 3 configuration must be performed on the related switch ports. Which feature must be used?

- A. POAP
- B. iPXE
- C. Network PnP
- D. VM Tracker

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

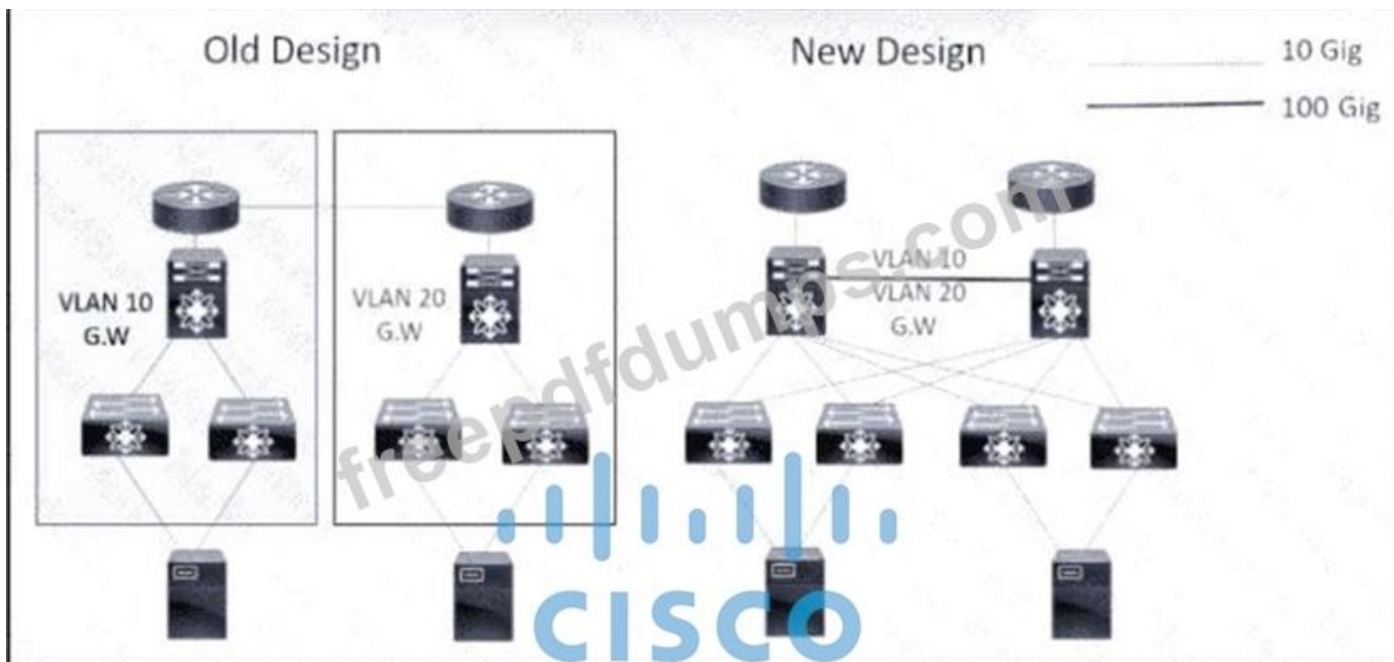
NEW QUESTION: 99

A large financial institution hosts all customer data in a critical data center with a single physical location. Top management is concerned about the risk of a single-site failure. Dot budget is also an issue, so the network engineering team is working to implement a cost-effective redundancy strategy with a second data center. The new data center must use a three-tier design identical to the existing data center. Business requirements dictate that all data must always be accessible from anywhere in the world, even if a single site fails. The team purchased two Cisco Nexus 7700 Series Switches and four Catalyst 8000 Series Routers. Which action must the team take to accomplish the goal?

- A. Implement HSRP with the Nexus 7700 Series devices to provide gateway redundancy to ensure seamless failover between the Nexus switches.
- B. Implement FabricPath on the Catalyst 8000 routers in both data centers to provide full redundancy in the event of a disaster.
- C. Implement NVGRE on the Catalyst 8000 routers to create a DCI communication channel between the data centers and provide Layer 2 extension capabilities.
- D. Implement OTV with the Nexus 7700 Series devices to extend Layer 2 connectivity between the two data centers and provide disaster-recovery capabilities.

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

NEW QUESTION: 100



Refer to the exhibit. An engineer is creating a new data center design for a customer. The design must support virtual applications, enhance network resilience, and meet these requirements:

- * Extend Layer 2 across all network segments to support endpoint mobility.
- * Access switches will support up to 20 GB capacity for north-south and east-west traffic.
- * Provide fast convergence during link failures.
- * MAC address advertisement will not depend on the control plane.

Which solution must the engineer include in the design between the access and distribution switches?

- A. vPC

- B. DVSTB
- C. DMVPN
- D. BGP-EVPN

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

NEW QUESTION: 101

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

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

NEW QUESTION: 102

Drag and drop the data center technologies from the left onto the correct descriptions on the right. Not all technologies are used.

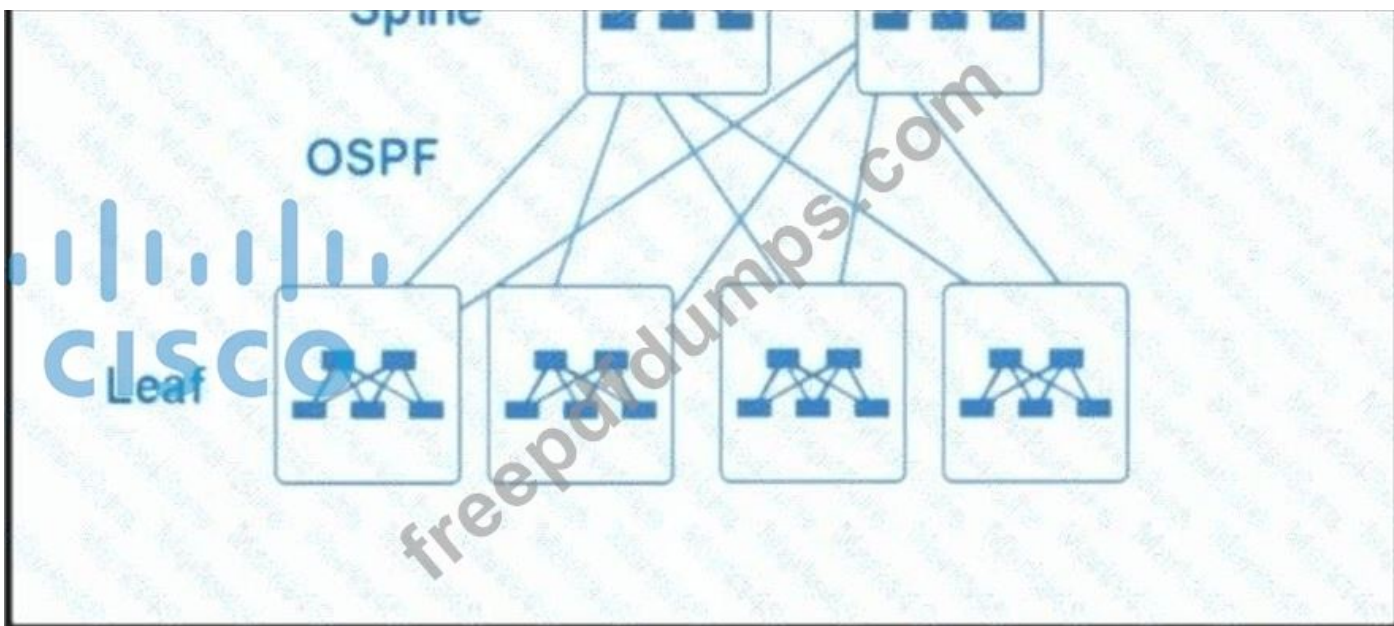
cut-through switching	connects a classical Ethernet vPC domain and a Cisco FabricPath cloud to interoperate
OTV	extends Layer 2 domains across distributed data centers
store-and-forward switching	performs Layer 2 lookup as soon as the destination MAC is received
CISCO VPC	two separate control planes, performs device aggregation
VPC+	

Answer:



NEW QUESTION: 103

Refer to the exhibit.



Fiber links are provisioned directly between the spine and leaf switches in the given LAN topology. A/30 prefix has been configured over each fiber link to provide underlay connectivity for a VXLAN network. The

network-engineering team must update the network configuration to provide the shortest possible convergence time if a fiber link is cut. Which action must the team take to meet the requirement?

- A. Configure the /30 links as OSPF point-to-point networks
- B. Enable BFD on the /30 links
- C. Enable UDLD on the GO links
- D. Configure ECMP on the /30 links

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 104

An engineer must configure a new maintenance policy that will apply to multiple Cisco UCS domains. The policy must be available for use by service profiles and service profile templates created and managed in either Cisco UCS Manager or Cisco UCS Central. Changes to this policy must be allowed only in Cisco UCS Central. Which policy type must the engineer select to accomplish these goals?

- A. global policy
- B. hybrid policy
- C. central policy
- D. local policy

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

NEW QUESTION: 105

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. Which solution meets these requirements?

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

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 106

An enterprise recently provisioned multiple new servers in their data center using service profile templates on Cisco UCS. Server 2 now requires two additional vNICs. How must the engineer facilitate the change to server 2 without affecting the other servers?

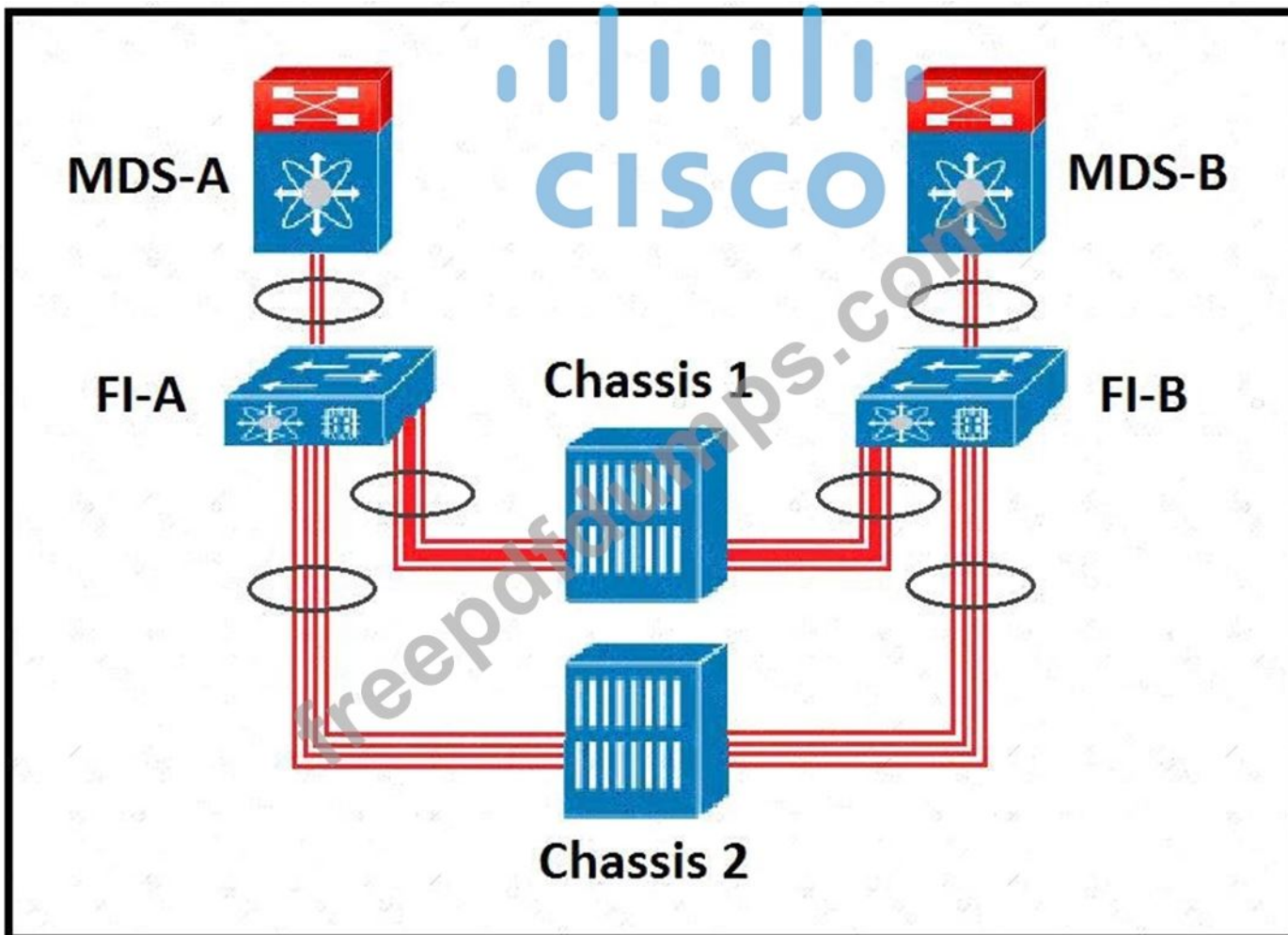
- A. Update the vNIC configuration in the initial template with the additional vNICs.
- B. Update the vNIC configuration in an update template with the additional vNICs.
- C. Create a new updating template with the additional vNICs and assign it to the server 2 service profile.
- D. Individually update the server 2 service profile with the additional vNICs.

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

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NEW QUESTION: 107

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

Answer: C,D (LEAVE A REPLY)

NEW QUESTION: 108

A customer is evaluating a new disaster-recovery solution for their SAN, which is used for noncritical CRM purposes. The SAN is frequently backed up locally at the customer's existing single location, and several hours of data loss can be sustained. The customer wants to retain complete control of the failover process to a separate physical location. Which type of DR is most suitable for the customer?

- A. warm standby
- B. active/active
- C. active/passive
- D. cold standby

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

NEW QUESTION: 109

A Cisco engineer is discussing a data center design scenario that consists of 24 Cisco UCS B200M6 Wade servers, 2 Cisco UCS 6454 Fabric Interconnects, and 3 Cisco UCS 5108 server chassis. In the proposed configuration, the server links, which are vNICs on the blades, are associated with a single uplink port. Server-to-server Layer 2 traffic is locally switched, server-to-network traffic goes out on its pinned uplink port, and each server MAC address must be learned before traffic can be forwarded to it. Which feature stipulates that traffic is forwarded to a server only if it is received on a pinned uplink port for this server?

- A. native VLAN tagging on both sides
- B. RPF check
- C. MAC address table visualization
- D. host F Port channeling

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

NEW QUESTION: 110

An engineer must connect a Cisco UCS Fabric Interconnect to a storage array using a Fibre Channel protocol.

The SAN must be directly connected to the UCS fabric interconnects using ports 1/1 and 1/2. Which fabric interconnect configuration must be used?

- A. Fcore Channel switching mode, and ports as Fibre Channel storage port
- B. Fibre Channel switching mode, and ports as Fibre Channel uplink port
- C. Fibre Channel end-host mode, and ports as Fibre Channel uplink port
- D. Fibre Channel end-host mode, and ports as Fibre Channel storage port

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 111

What are two functions of a Network Services Orchestrator in an NFV environment? (Choose two.)

- A. It operates at the resource-facing services layer and provides overall lifecycle management at the network service level.
- B. It provides an API-based northbound interface for transparent integration with systems that operate at the resource-facing services layer.

- C. It provides a standards-based southbound interface for transparent integration with systems that operate at the customer-facing services layer.
- D. It provides a standards-based northbound interface for transparent integration with systems that operate at the customer-facing services layer.
- E. It operates at the customer-facing services layer and provides the management interface for the virtual network devices.

Answer: A,B (LEAVE A REPLY)

Reference: https://www.cisco.com/c/en/us/td/docs/net_mgmt/msx/3_4/solution_overview/Cisco_VMS_Sol_Overview.pdf

NEW QUESTION: 112

The management of the Cisco Nexus switches is provided over an isolated out-of-band network. The VDC feature is configured on the Cisco Nexus core switches. How is out-of-band management access provided for each VDC?

- A. Each VDC has a unique out-of-band IP address from different IP subnets among VDCs.
- B. Each VDC has a dedicated out-of-band Ethernet management port.
- C. Each VDC has a unique out-of-band IP address from the same IP subnet.
- D. All the VDC have the same out-of-band IP address.

Answer: (SHOW ANSWER)

NEW QUESTION: 113

Which type of Cisco Intersight workflow input controls the availability of other specific workflow inputs during the execution of a workflow?

- A. Parameter Set rule
- B. String Object Selector
- C. conditional operation
- D. Progressive Disclosure rule

Answer: (SHOW ANSWER)

NEW QUESTION: 114

An engineer must design a Cisco HyperFlex solution to support a virtualized environment in a single data center location. The design must consider these customer requirements:

- * a large-scale cluster with eight or more nodes
- * distributed high-performance file system for virtualized servers
- * high fault tolerance to multiple node failures

Which action meets these objectives?

- A. Configure data destaging and deduplication
- B. Enable logical availability zones.
- C. Implement a replication factor of four.
- D. Create multiple datastores for storage of VM.

Answer: B (LEAVE A REPLY)

NEW QUESTION: 115

A customer needs to deploy a three-tier network architecture that will consist of web, and other business-critical applications. The solution will include Cisco UCS 6324 Fabric interconnects managing B and C Series servers. The Fabric interconnects will be connected to the Cisco Nexus 7706 series switch for network access.

A storage array will be directly connected to the UCS deployment. Which type must be used to meet these requirements?

A. UCS Interconnect in Ethernet end-host mode

UCS Interconnect in Fibre Channel switching mode

Fabric Interconnects uplinked to the Nexus device using an LACP port-channel in active mode

B. UCS Interconnect in Ethernet switching mode

UCS interconnect to Fibre Channel switching mode

Fabric Interconnect uplinked to the Nexus device using an LACP port-channel in passive mode

C. UCS Interconnect in Ethernet end-host mode

UCS Interconnect in Fibre Channel end-host mode

Fabric Interconnect uplinked to the Nexus device using an LACP port-channel in passive mode

D. UCS Interconnect in Ethernet switching mode

UCS interconnect in Fibre Channel end-host mode

Fabric Interconnects uplinked to the Nexus device using an LACP port-channel in active mode

Answer: ([SHOW ANSWER](#))

FC must be in switching mode for Direct Attached Storage.

NEW QUESTION: 116

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. iSCSI Qualified Name

B. Fibre Channel ID

C. Network Address Authority

D. Extended Unique identifier

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

NEW QUESTION: 117

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
TOE	iSCSI
MPIO	MPIO
ALUA	TOE

NEW QUESTION: 118

Which programming model is vendor-agnostic and combines operational and configuration data in the same container?

- A. native YANG
- B. open YANG
- C. IETF
- D. OpenConfig

Answer: D (LEAVE A REPLY)

NEW QUESTION: 119

A Cisco engineer is preparing a service profile template for a design, which consists of 20 x UCS B200M6 blade servers 2 x UCS 6454 Fabric Interconnect in End Host Mode, and 3 x UCS 5108 server chassis with 2408 Fabric Extenders The blade servers are equipped with VIC 1480 adapters The engineer does not configure a vNIC/vHBA placement policy in the service profile and the vNICs and vHBAs are assigned to the vCon in a particular order What is the mapping scheme in which Cisco UCS assigns the vCons based on the type of server and the selected virtual slot?

- A. network mesh

- B. linear ordered
- C. round robin
- D. cross match

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 120

Drag and drop the feature descriptions from the left onto the correct UCS Fabric Interconnect modes on the right.

Links are active-active.	End-Host Mode <div style="border: 1px solid black; height: 20px; width: 100%;"></div> <div style="border: 1px solid black; height: 20px; width: 100%;"></div>
MAC address learning occurs on the uplink ports.	
STP runs on the uplink ports.	
This is the default mode of operation.	
	Switch Mode <div style="border: 1px solid black; height: 20px; width: 100%;"></div> <div style="border: 1px solid black; height: 20px; width: 100%;"></div>

Answer:

Links are active-active.	End-Host Mode <div style="border: 2px dashed gray; background-color: #e0ffff; padding: 5px;">Links are active-active.</div> <div style="border: 2px dashed gray; background-color: #e0ffff; padding: 5px;">MAC address learning occurs on the uplink ports.</div>
MAC address learning occurs on the uplink ports.	
STP runs on the uplink ports.	
This is the default mode of operation.	
	Switch Mode <div style="border: 2px dashed gray; background-color: #e0ffff; padding: 5px;">STP runs on the uplink ports.</div> <div style="border: 2px dashed gray; background-color: #e0ffff; padding: 5px;">This is the default mode of operation.</div>

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Reference: https://www.cisco.com/c/en/us/solutions/collateral/data-center-virtualization/unified-computing/whitepaper_c11-701962.html

NEW QUESTION: 121

Refer to the exhibit A Cisco engineer is configuring Cisco Nexus 7000 Series Switches. To simplify initial configuration verification and vPC+/HSRP troubleshooting, the engineer configures the primary vPC+ peer device with the FHRP active router highest priority. The primary FHRP device responds to ARP requests, even though the secondary vPC+ device also forwards the data traffic. Which configuration enables the Layer

3 connectivity from each vPC* peer device?

- A. Configure a VLAN network interlace for the same VLAN from both devices.
- B. Set a restore timer that delays the vPC+ restart.
- C. Ensure that the enhanced Layer 2 license has been installed.
- D. Manually configure virtual MAC addresses for any FHRP protocol.

Answer: C (LEAVE A REPLY)

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NEW QUESTION: 122

An ACI deployment must:

Which VRF configuration must be used?

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

Answer: D (LEAVE A REPLY)

NEW QUESTION: 123

A network architect needs secure access to the organization's perimeter routers and firewalls. The administrator must access network devices from a remote location that is reachable from the WAN cloud Which action meets these requirements?

- A. Create an in-band network management network
- B. Create a secure IPsec tunnel interface using an internet link for device management purposes
- C. Create an out-of-band network management network

D. Enable the SSH protocol with a strong username and password using an internet link for management purposes

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 124

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. ISIS
- B. OSPF
- C. VXLANEVPN
- D. vPC
- E. OTV

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

NEW QUESTION: 125

To help automate the vHBA configuration process, a network engineer is configuring vHBA template pairs on UCS. The engineer is creating primary and secondary templates to define how vHBAs on a server connect to the SAN. Which fact about the template pair should the engineer consider for its potential impact on service?

- A. The WWPN pool configuration will not be shared between the two templates.
- B. The description configuration will be shared between the two templates.
- C. The QoS policy configuration will not be shared between the two templates.
- D. The fabric ID configuration will be shared between the two templates.

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 126

An engineer deploys a Cisco UCS environment with the storage array directly attached to the Fabric Interconnects. The operations team mandates that the solution must not require the configuration of Fibre Channel zoning. Which configuration set meets these requirements?

- A. Storage facing port type: FCoE storage port
Fabric interconnect FC mode: End-host
- B. Storage facing port type: Uplink port
Fabric interconnect FC mode: End-host
- C. Storage facing port type: Appliance port
Fabric interconnect FC mode: Switching
- D. Storage facing port type: Storage port
Fabric interconnect FC mode: Switching

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

NEW QUESTION: 127

An engineer must secure the payload traversing across the DCI. The solution must support confidentiality and integrity and it must be open standard. The solution must encrypt Ethernet frames regardless of the upper layer protocol used. Which technology must be used to support these requirements?

- A. GRE
- B. MACsec
- C. IPsec
- D. OTV

Answer: B (LEAVE A REPLY)

The key to solution is "Ethernet frames". Frames are layer 2. IPsec encrypts at layer 3.

NEW QUESTION: 128

A Cisco engineer is analyzing a customer environment where dozens of VMs are running on a physical server and UCS chassis are cascaded. The setup uses two ISLs in a port channel to the SAN switch (per fabric). The oversubscription from VM to physical SAN port is often 20 (VMs/host) x 72 (9 UCS chassis cascaded = 72 hosts): 2 (ISLs from fabric interconnect to SAN switch port on the NPV core (NPIV enabled switch)). This results to 20 x 72 x 2 per single ISL = 720 VMs per ISL.

20 (VMs per host) x 8 (hosts per chassis) x 9 (chassis per port channel to SAN switch) / 2 (ISLs per port channel) = 20 x 8 x 9 / 2 = 720 VMs per SAN F-port. What is the best way to resolve possible IOPS bottleneck?

- A. Remove data encryption on the SSD
- B. Enable Windows 1Gb server full duplex
- C. Deploy a content delivery network
- D. Configure 802.1Qbb priority flow control

Answer: D (LEAVE A REPLY)

NEW QUESTION: 129

A network design must include a solution to run CLI commands remotely on Cisco Nexus 9000 Series Switches. The customer's security policy requires secure login credentials and an encrypted underlying transport. The command output will be processed using tools that support XML or JSON encoding. Which two components should be included in the design? (Choose two.)

- A. HTTP
- B. HTTPS
- C. Bash shell
- D. SSH
- E. NX-API

Answer: B,D (LEAVE A REPLY)

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