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https://www.dumpsfiles.com/files/Cisco/300-610/Cisco.300-610.v2023-12-21.q140	

NEW QUESTION: 1

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 DNA Center
- D. Cisco Network Assurance

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

NEW QUESTION: 2

An engineer is designing a disaster recovery solution. In the event of a node failure, the solution should either direct all of the traffic to another node, or load-balance the traffic across the remaining nodes.

Which solution should be implemented in the design?

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

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

NEW QUESTION: 3

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

Section: Storage Network Design

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

NEW QUESTION: 4

An engineer is designing a disaster recovery solution. In the event of a node failure, the solution should either direct all of the traffic to another node, or load-balance the traffic across the remaining nodes. Which solution should be implemented in the design?

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

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 5

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: 6

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

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

Answer:

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

NEW QUESTION: 7

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: 8

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)

Section: Network Design

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

NEW QUESTION: 9

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

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

Answer: A,C (LEAVE A REPLY)

Section: Storage Network Design

Explanation/Reference: https://www.cisco.com/c/en/us/td/docs/switches/datacenter/mds9000/sw/7_3/configuration/qos/cisco_mds9000_qos_config_guide/configuring_qos.html

NEW QUESTION: 10

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

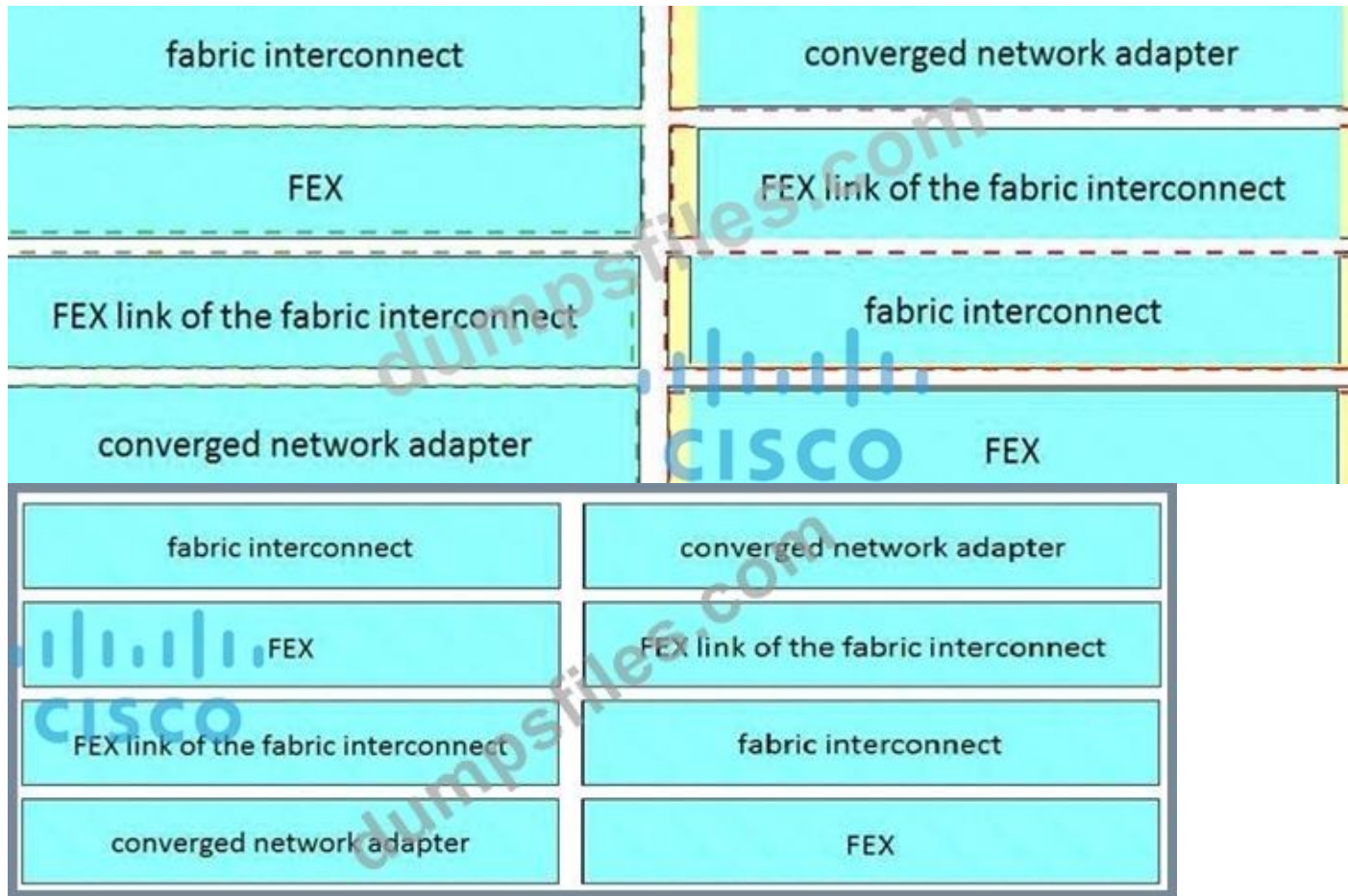
Answer: (SHOW ANSWER)

NEW QUESTION: 11

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:

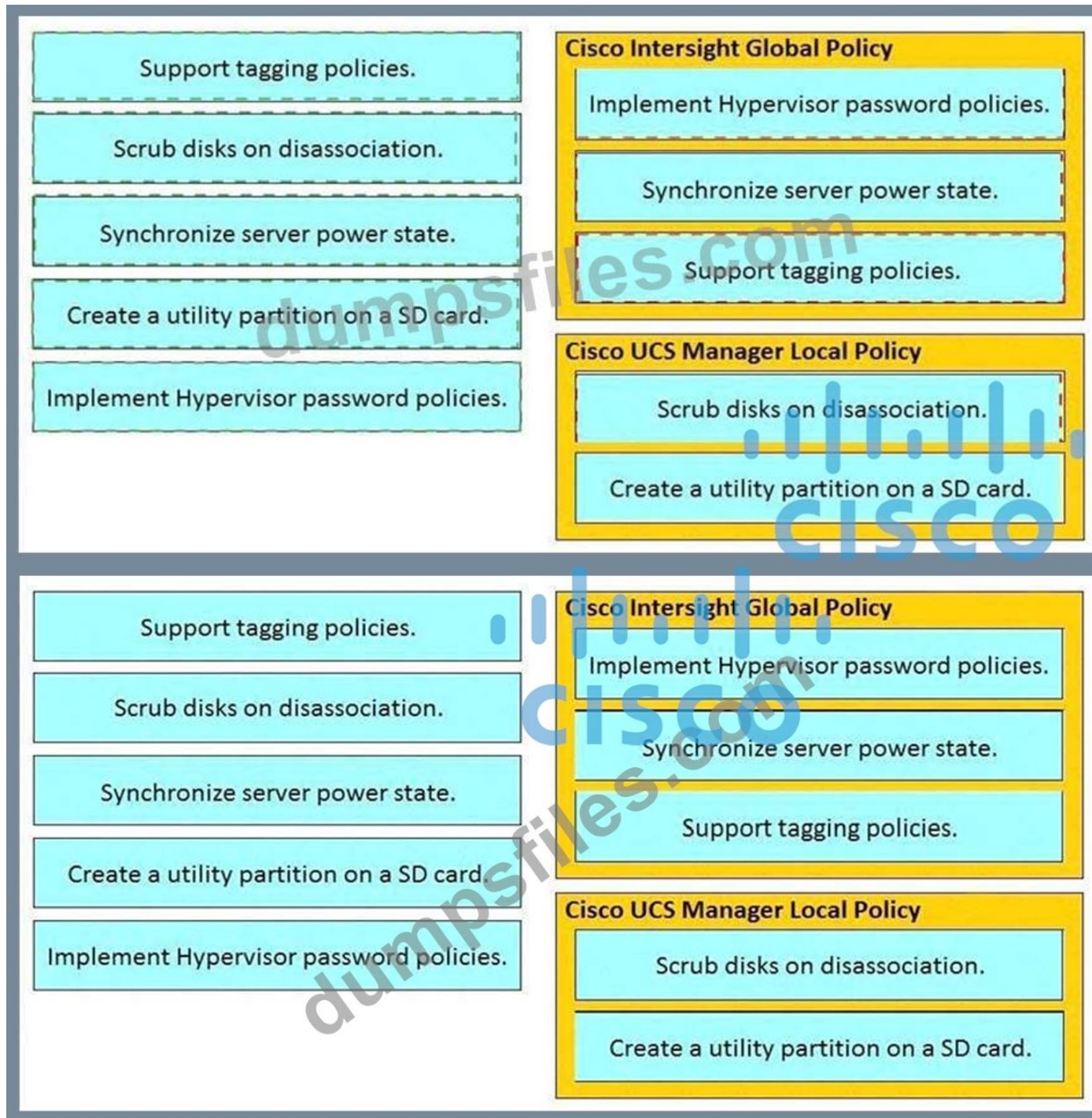


NEW QUESTION: 12

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

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

Answer:



NEW QUESTION: 13

A customer is implementing a business continuity solution for the current data centers. The new location must mitigate the impact of a disaster in any existing data centers by providing an acceptable level of service. The solution must support

- * fully segregated Layer 2 and 3 fault domains
- * low or no human intervention for service restoration
- * medium to high RPO/RTO for a subset of applications
- * asynchronous storage replication for application data

Which disaster recovery solution must the customer select to meet these requirements?

- A.** identical infrastructure facility ready to provide service
- B.** mirrored inactive infrastructure facility with fully stretched resources

- C. partially equipped infrastructure faculty for on-demand activation
- D. cold infrastructure facility with basic infrastructure

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

NEW QUESTION: 14

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

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

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 15

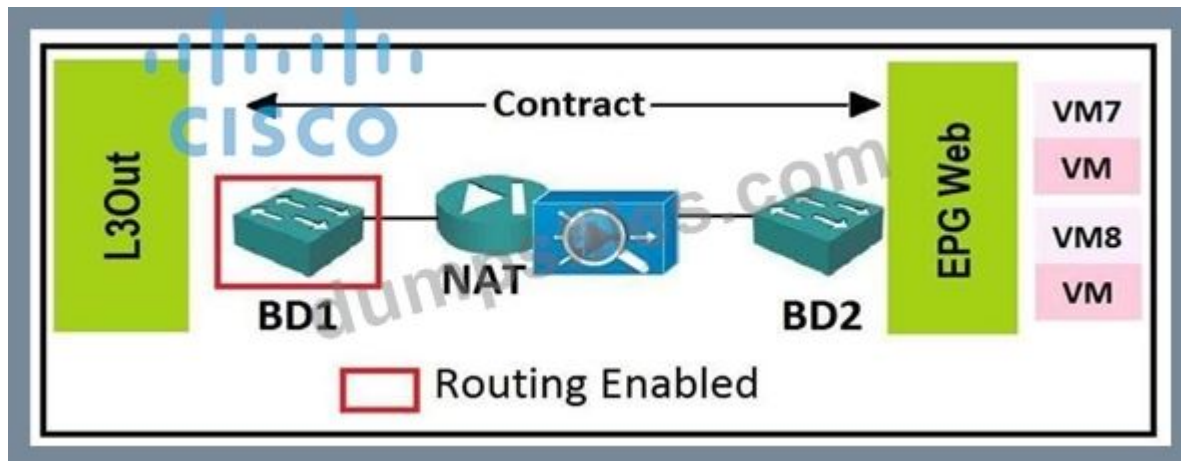
An engineer must design a multitenant solution using Cisco 7709 switches. The solution must support separate routing instances, separate spanning tree domains, and separate firewalls for each tenant. Which solution meets these requirements?

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

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 16

Refer to the exhibit.



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

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

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

Section: Network Design

Explanation/Reference:

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NEW QUESTION: 17

A company must introduce a scalable network automation tool to deploy, configure, and manage thousands of network devices and servers. The company servers already have been security-hardened and must not have any additional software installed on them. The security policy mandates the use of a secure communication protocol that supports authentication and encryption for managing the servers.

Which two automation tools must be used to meet these requirements? (Choose two.)

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

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 18

An engineer must build a VXLAN flood-and-learn 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. PIM SSM
- D. Bidirectional PIM

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

Reference:

flexpod_esxi70_vxlan_evpn_design.html

NEW QUESTION: 19

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

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

Answer:

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

NEW QUESTION: 20

A network consultant must design a high availability interconnection of a clustered Cisco UCS Fabric Interconnect toward two upstream Layer 2 switches. The Ethernet interconnection must use all redundant links and have no impact on the STP domain size.

Which connectivity solution must be used?

- A. Cisco UCS Fabric Interconnect in end host mode with a single uplink toward each upstream switch to eliminate any change to the STP domain size
- B. Cisco UCS Fabric Interconnect in end host mode with dual uplinks distributed evenly to the upstream switches
- C. Cisco UCS Fabric Interconnect in switch mode with a single uplink toward each upstream switch to eliminate any change to the STP domain size
- D. Cisco UCS Fabric Interconnect in switch mode with dual uplinks distributed evenly to the upstream switches

Answer: B (LEAVE A REPLY)

NEW QUESTION: 21

Which type of encoding is used on 8-Gbps links as compared to 10-Gbps links?

- A. 8-Gbps links use 64B/66B encoding, and 10-Gbps links use 8B/10B encoding.
- B. 8-Gbps links use 8B/10B encoding, and 10-Gbps links use 64B/66B encoding.
- C. 8-Gbps links and 10-Gbps links use 8B/10B encoding.

D. 8-Gbps links and 10-Gbps links use 64B/66B encoding.

Answer: B (LEAVE A REPLY)

Section: Compute Design

Explanation/Reference: https://www.iol.unh.edu/sites/default/files/knowledgebase/10gec/10GbE_CI49.pdf

NEW QUESTION: 22

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:

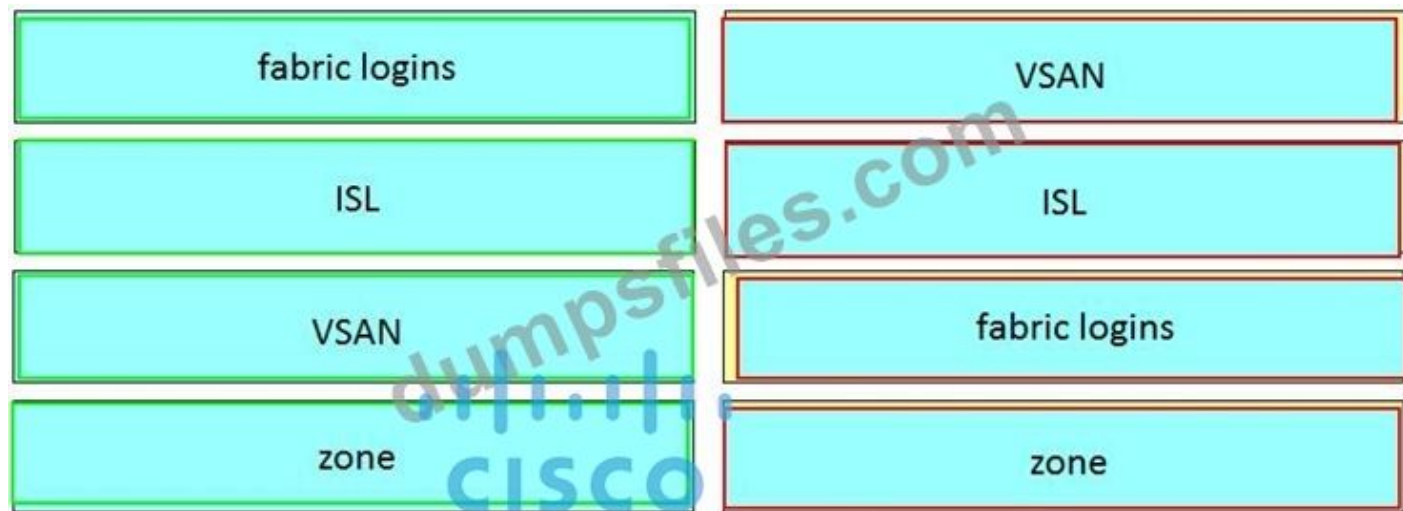
fabric logins	VSAN
ISL	ISL
VSAN	fabric logins
zone	zone

NEW QUESTION: 23

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:



NEW QUESTION: 24

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

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

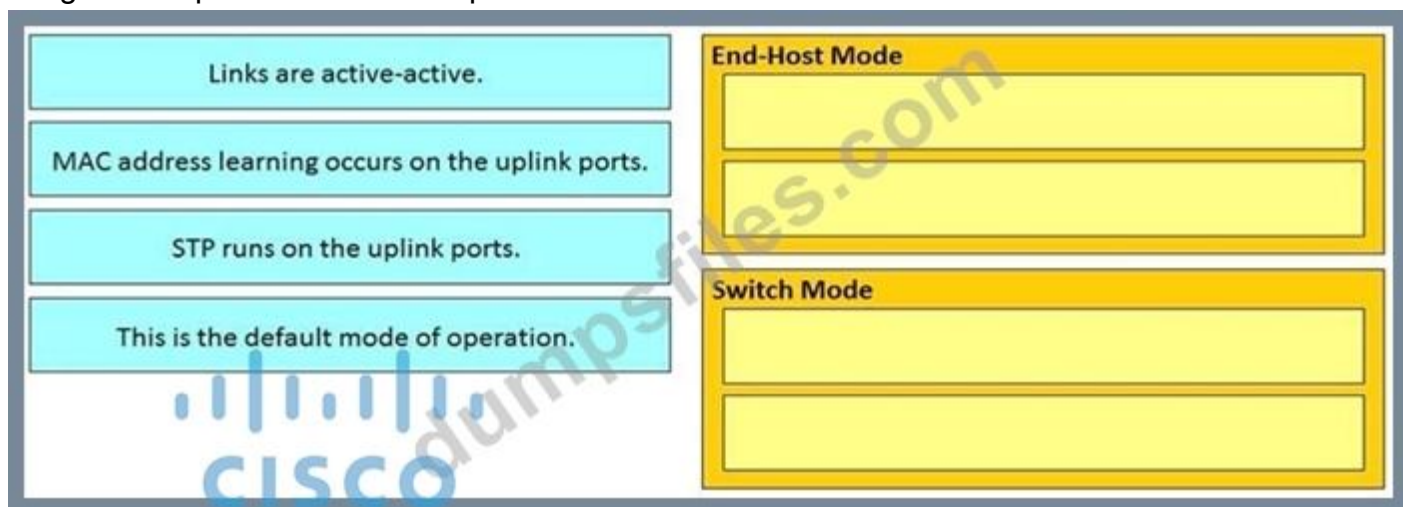
Answer: [\(SHOW ANSWER\)](#)

Section: Compute Design

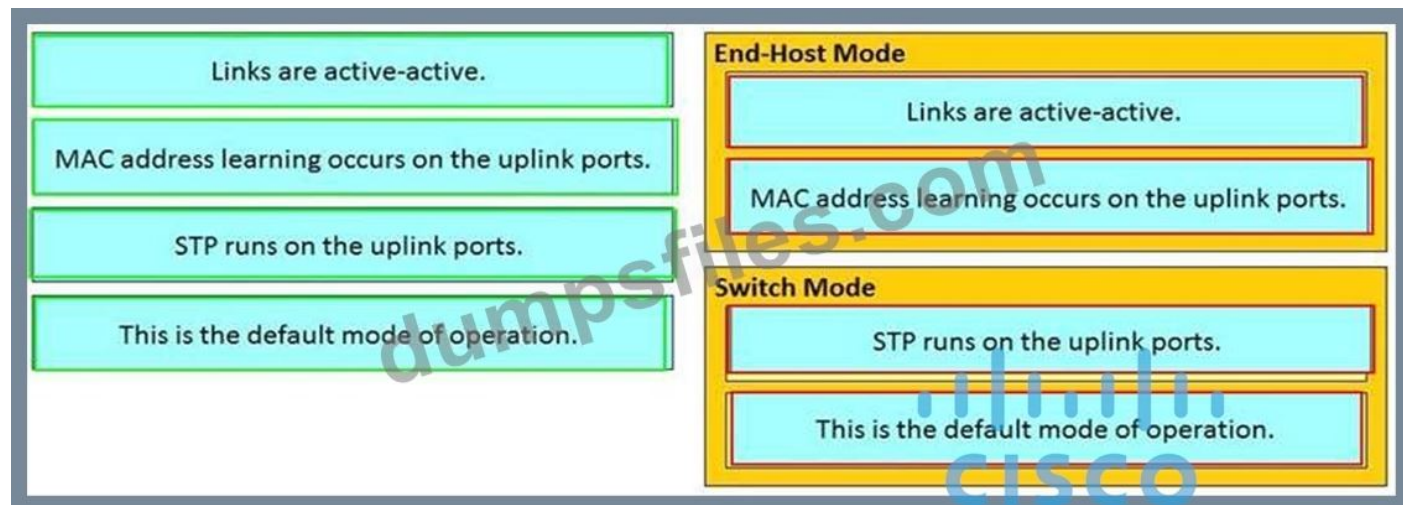
Explanation/Reference: <https://www.cisco.com/c/dam/en/us/products/collateral/servers-unified-computing/ucs-6300-series-fabric-interconnects/cisco-unified-fabric.pdf>

NEW QUESTION: 25

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



Answer:



NEW QUESTION: 26

Which Cisco HyperFlex feature provides virtual machine-level cost scaling for desktop virtualization growth?

- A. HyperFlex Edge support
- B. encryption offload cards
- C. dedicated compute nodes
- D. fabric interconnects

Answer: A (LEAVE A REPLY)

Section: Compute Design

NEW QUESTION: 27

A company is using Cisco UCS and wants a network orchestration solution to meet these requirements :

centrally manage compute and storage platforms

reduce the time it takes to detect an outage

easily exchange data with TAC to reduce resolution times

The company does not have in-house knowledge about scripting. Which solution must the company choose?

- A. Cisco UCS Central
- B. Cisco DCNM
- C. Cisco HyperFlex
- D. Cisco Intersight

Answer: A (LEAVE A REPLY)

NEW QUESTION: 28

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. HX220C
- B. Fabric Interconnect 6300

- C. Gigabit Ethernet Switch
- D. UCSB B200
- E. HX240C

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

NEW QUESTION: 29

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: 30

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 out-of-band network management network
- B. Enable the SSH protocol with a strong username and password using an internet link for management purposes
- C. Create an in-band network management network
- D. Create a secure IPsec tunnel interface using an internet link for device management purposes

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 31

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/.../cisco_mds9000_interfaces_config_guide_8x/congestion_avoidance_isolation.html)

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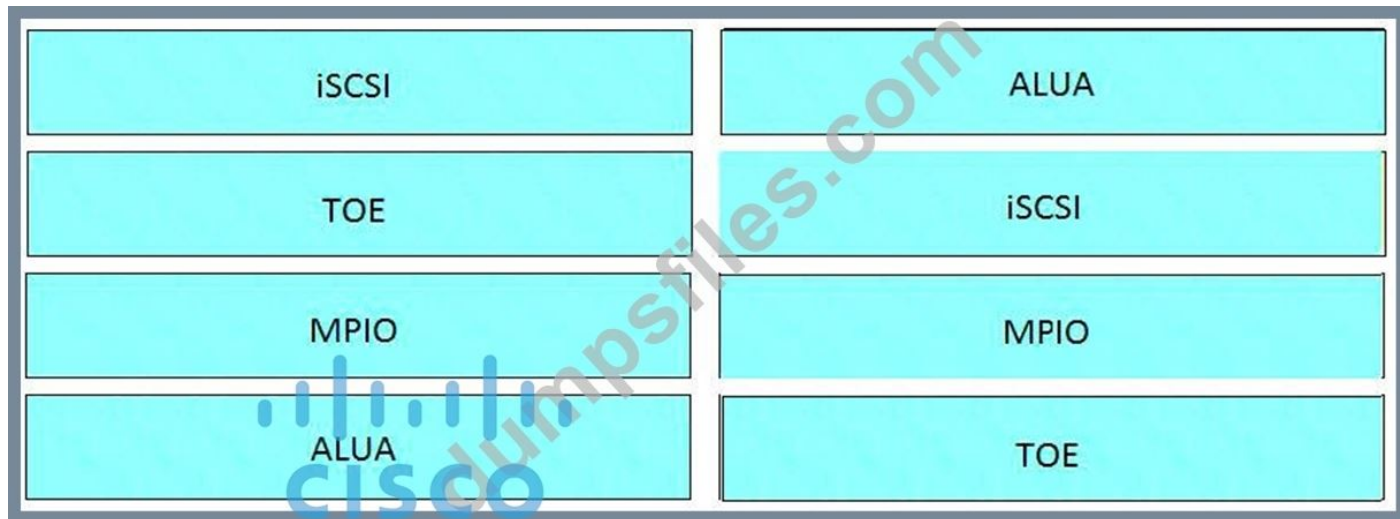
NEW QUESTION: 32

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: 33

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

Answer: C (LEAVE A REPLY)

NEW QUESTION: 34

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 requirements?

- 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

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: 35

A network engineer is designing a Cisco Hyperflex infrastructure. The infrastructure will be connected to an external SAN fiber channel array and must support Microsoft clustering. Which storage connectivity method must be used to meet these requirements?

- A. Fibre Channel over Ethernet

- B. Internet Small Computer Systems Interface
- C. raw device mapping
- D. server message block

Answer: A (LEAVE A REPLY)

Reference:

HyperFlex_HX_DataPlatformSoftware/Network_External_Storage_Management_Guide/b_HyperFlex_Systems_Network_and_External_Storage_Management_Guide_3_0/b_HyperFlex_Systems_Network_and_External_Storage_Management_Guide_3_0_chapter_010.html

NEW QUESTION: 36

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

Answer: C (LEAVE A REPLY)

NEW QUESTION: 37

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

- A. It provides a standards-based southbound interface for transparent integration with systems that operate at the customer-facing services layer.
- B. It operates at the resource-facing services layer and provides overall lifecycle management at the network service level.
- C. It provides a standards-based northbound interface for transparent integration with systems that operate at the customer-facing services layer.
- D. It operates at the customer-facing services layer and provides the management interface for the virtual network devices.
- E. It provides an API-based northbound interface for transparent integration with systems that operate at the resource-facing services layer.

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

NEW QUESTION: 38

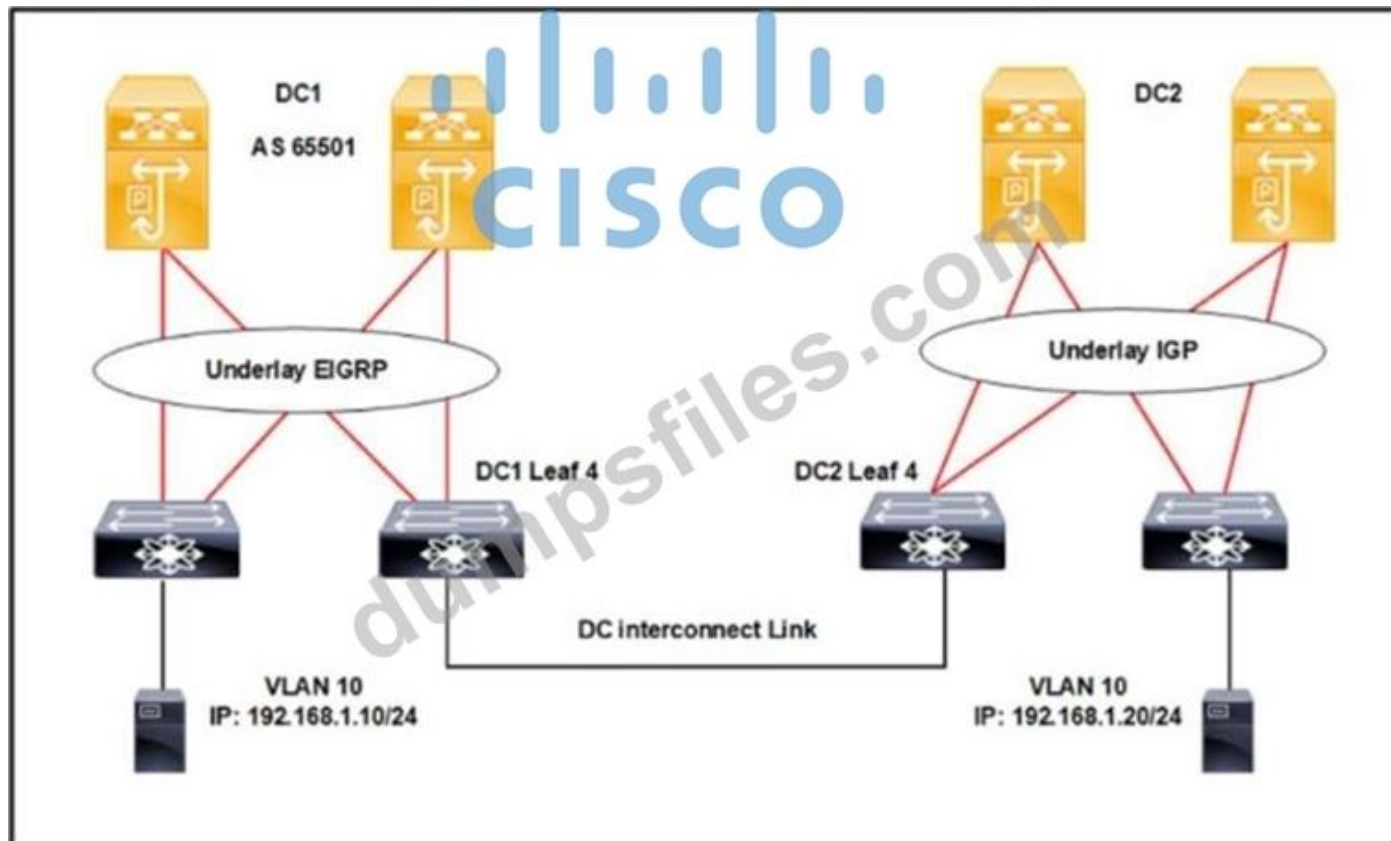
An engineer is designing a Cisco 7000 Series disaster recovery site using the data center interconnect solution to provide gateway redundancy and needs to ensure that devices use gateways in their own data centers. Which design approach should be used to accomplish this goal?

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

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 39

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

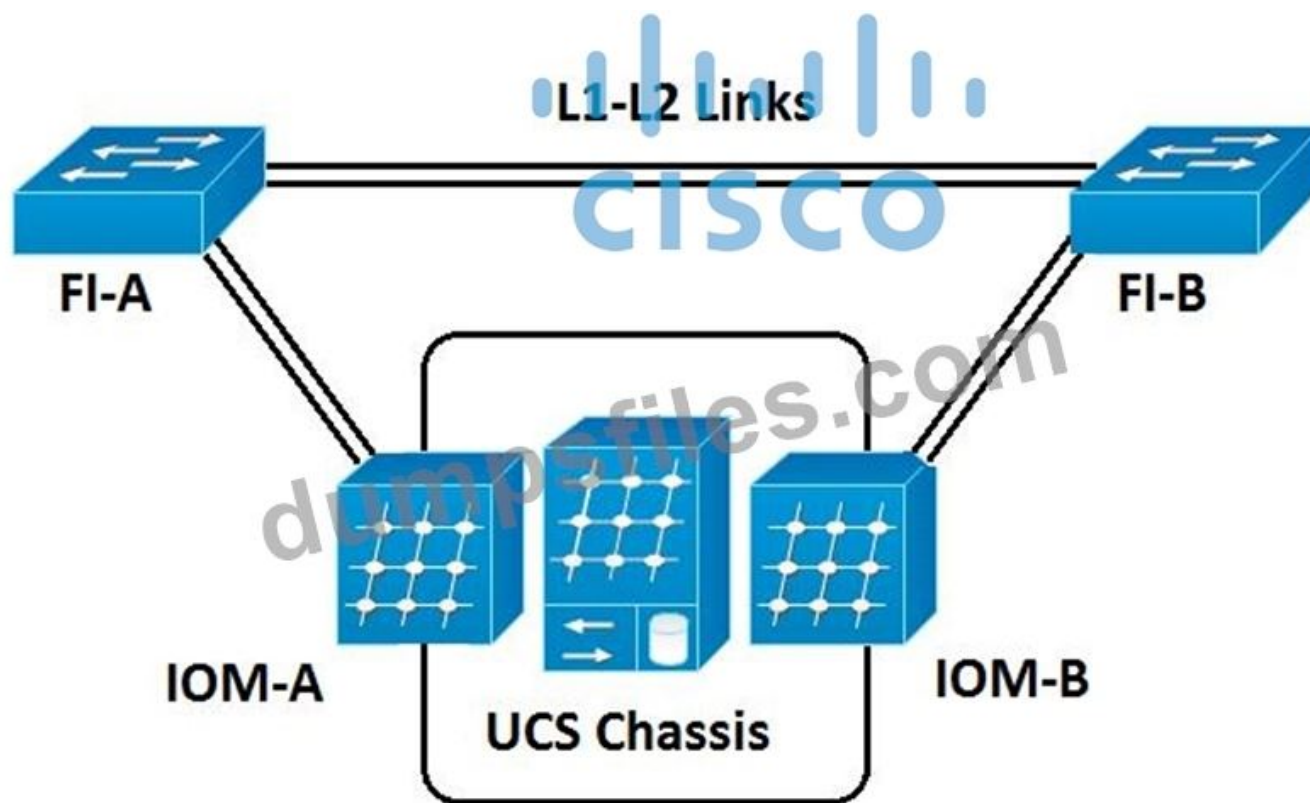
- * endpoint information propagated end-to-end across both data centers
- * misconfiguration replicated from DC1 to DC2

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

- A. * Set BGP AS to 65500
 - * Configure IGRP as an underlay IGP
 - B. * Set BGP AS to 65500
 - * Configure RIP as an underlay IGP
 - C. * Set BGP AS to 65501
 - * Configure RIP as an underlay IGP
 - D. * Set BGP AS to 65501
 - * Configure EIGRP as an underlay IGP
- Answer: B (LEAVE A REPLY)**

NEW QUESTION: 40

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

Answer: (SHOW ANSWER)

NEW QUESTION: 41

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 box.

Cisco UCS Manager Local Policy

Empty policy configuration box.

Answer:

- 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

- Implement Hypervisor password policies.
- Synchronize server power state.
- Support tagging policies.

Cisco UCS Manager Local Policy

- Scrub disks on disassociation.
- Create a utility partition on a SD card.

NEW QUESTION: 42

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/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: 43

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: 44

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)

Section: Storage Network Design

Explanation/Reference: <https://en.wikipedia.org/wiki/iSCSI>

NEW QUESTION: 45

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

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

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 46

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
VPC	two separate control planes, performs device aggregation
VPC+	

Answer:

cut-through switching	VPC+
OTV	OTV
store-and-forward switching	cut-through switching
VPC	VPC
VPC+	

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NEW QUESTION: 47

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

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

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 48

What can be implemented on Cisco Nexus 5600 Series Switches for link redundancy within a Fibre Channel fabric?

- A. E-Trunk
- B. vPC+
- C. SAN port channel
- D. LACP port channel

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 49

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

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 50

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

Answer: (SHOW ANSWER)

Section: Automation Design

NEW QUESTION: 51

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/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: 52

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

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

Answer:

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

NEW QUESTION: 53

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: 54

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)

Section: Storage Network Design

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

NEW QUESTION: 55

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: 56

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

Answer: D (LEAVE A REPLY)

NEW QUESTION: 57

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

iSCSI	ALUA
TOE	iSCSI
MPIO	MPIO
ALUA	TOE

NEW QUESTION: 58

A storage engineer requires a solution that achieves multiple paths between a server and storage array. The design must support complete traffic isolation and support a 50% growth in the next year.

Which FCoE solution meets these requirements?

- A. single VSAN across the fabric
- B. at least two VSANs across the fabric
- C. at least two FC zone sets with multiple zones
- D. single switch with multiple links

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

NEW QUESTION: 59

Refer to the exhibit In this scenario a Cisco engineer is building a loop-free topology where a dedicated layer of the vPC domain adjacent to the aggregation layer which also runs vPC Is used to interconnect the two data centers together. The engineer globally configures a vPC domain identifier on both vPC devices where the domain ID is the same on both peer devices. Which action successfully forms the domain?

- A. Synchronize the MAC addresses for the member ports
- B. Put peer device interfaces into a suspended state.
- C. Enable and reuse an ISL Layer 3 trunk port channel
- D. Configure vPC-peer-keepalive link on both peer devices

Answer: (SHOW ANSWER)

NEW QUESTION: 60

A company has several data centers with hundreds of Cisco UCS blade chassis. A network consultant plans to active 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 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: B,D ([LEAVE A REPLY](#))

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.

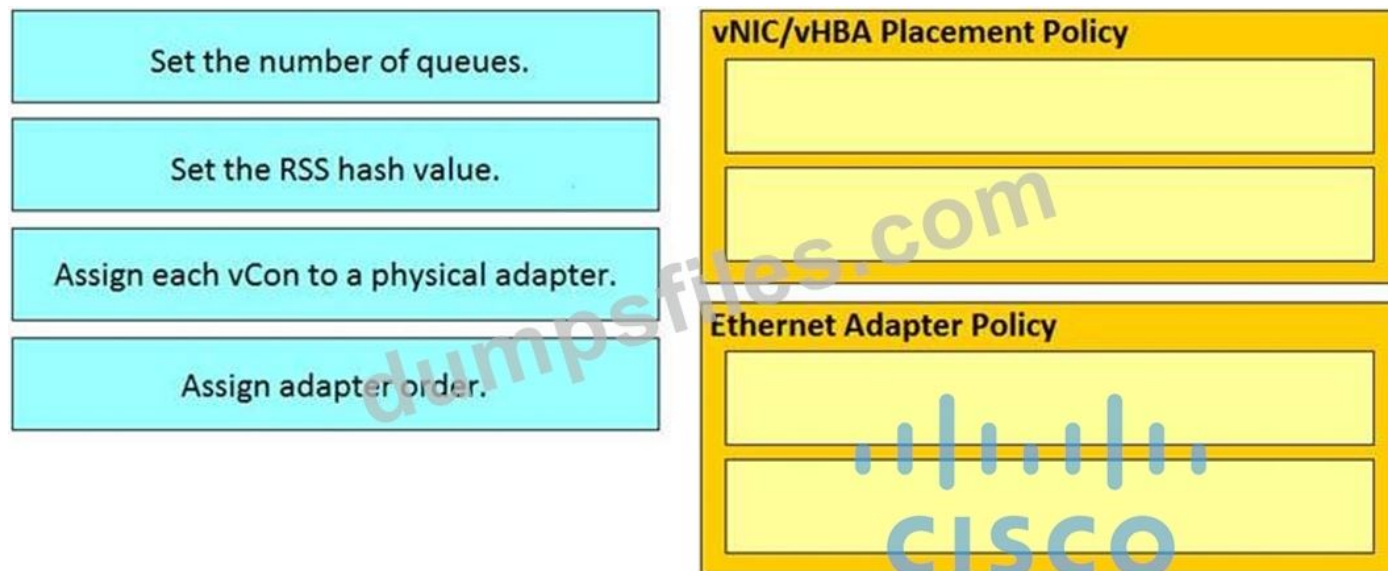
Procedure

- 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.

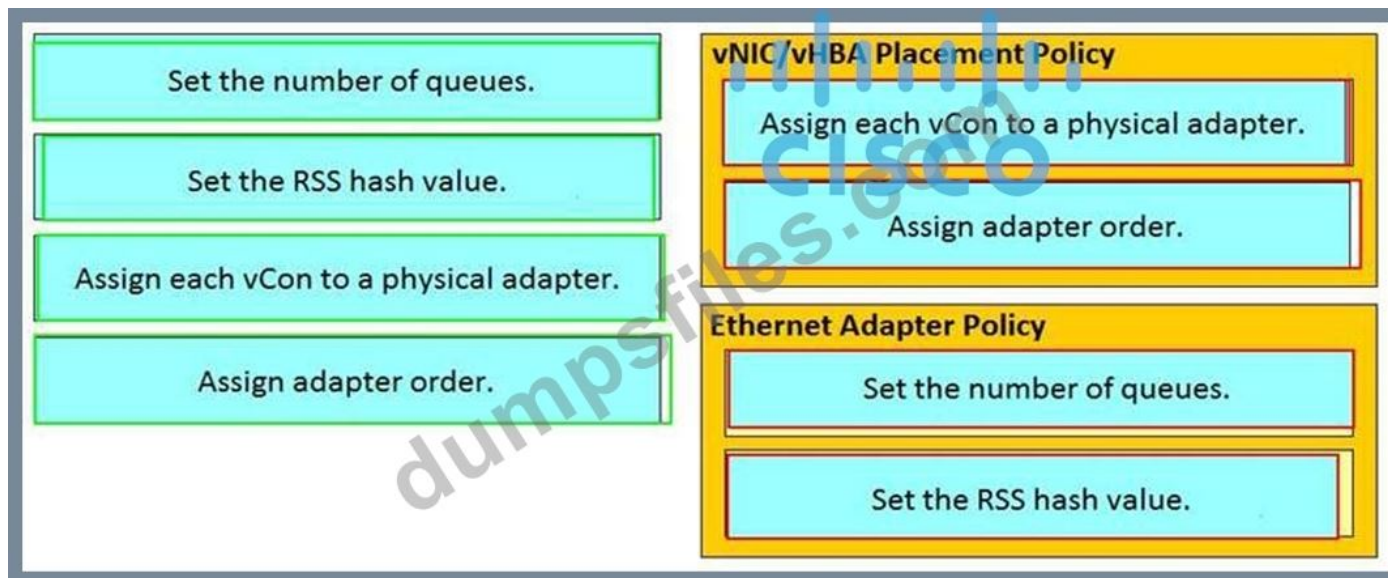
The next step is to apply the new policy to the ESX vNICs. If you are using updating vNIC templates then all you need to do is go to each vNIC template for your ESX vNICs select the new policy from the Network Control Policy drop down. If you are not using vNIC templates but you are using an updating 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.

NEW QUESTION: 61

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



Answer:



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NEW QUESTION: 62

A network architect designs a high-availability architecture for the Cisco UCS Fabric Interconnects that are installed in a data center. The architecture must support clustering and redundancy. Which architecture meets these requirements?

- A. dual connections from port L1 to L1 and one connection from port L1 to L1 with twinax cables
- B. dual connections from port L1 to L2 and one connection from port L2 to L1 with twinax cables
- C. dual connections from port L1 to L2 and one connection from port L2 to L1 with Ethernet cables
- D. dual connections from port L1 to L1 and one connection from port L2 to L2 with Ethernet cables

Answer: ([SHOW ANSWER](#))

Reference:

NEW QUESTION: 63

What is an advantage of Cisco HyperFlex Edge as compared to Cisco HyperFlex Standard Clusters?

- A. Cisco Intersight automatically creates an invisible cloud witness.
- B. Cisco UCS 5108 Blade Server chassis provides SEEPROM connectivity to solve split-brain scenarios.
- C. Cisco UCS Manager provides service profile portability across nodes.
- D. Cisco HyperFlex Edge provides native container support through the KVM hypervisor.

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

Section: Compute Design

Explanation/Reference: <https://www.cisco.com/c/dam/en/us/products/collateral/hyperconverged-infrastructure/hyperflex-hx-series/whitepaper-c11-741999.pdf>

NEW QUESTION: 64

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 server to pass through the I/O Module in the Cisco UCS chassis to a specified uplink Fibre Channel port?

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

Answer: (SHOW ANSWER)

NEW QUESTION: 65

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: 66

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

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

NEW QUESTION: 67

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:

- 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

- Implement Hypervisor password policies.
- Synchronize server power state.
- Support tagging policies.

Cisco UCS Manager Local Policy

- Scrub disks on disassociation.
- Create a utility partition on a SD card.



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

NEW QUESTION: 68

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: 69

An engineer is experiencing performance issues on a Cisco UCS blade server. The B-Series blade server contains four CPUs, most of which are idle. The engineer notices that the CPU is suffering from too many requests sent by the NIC. Additionally, the number of queues appears to be insufficient and only a single CPU is processing the network traffic.

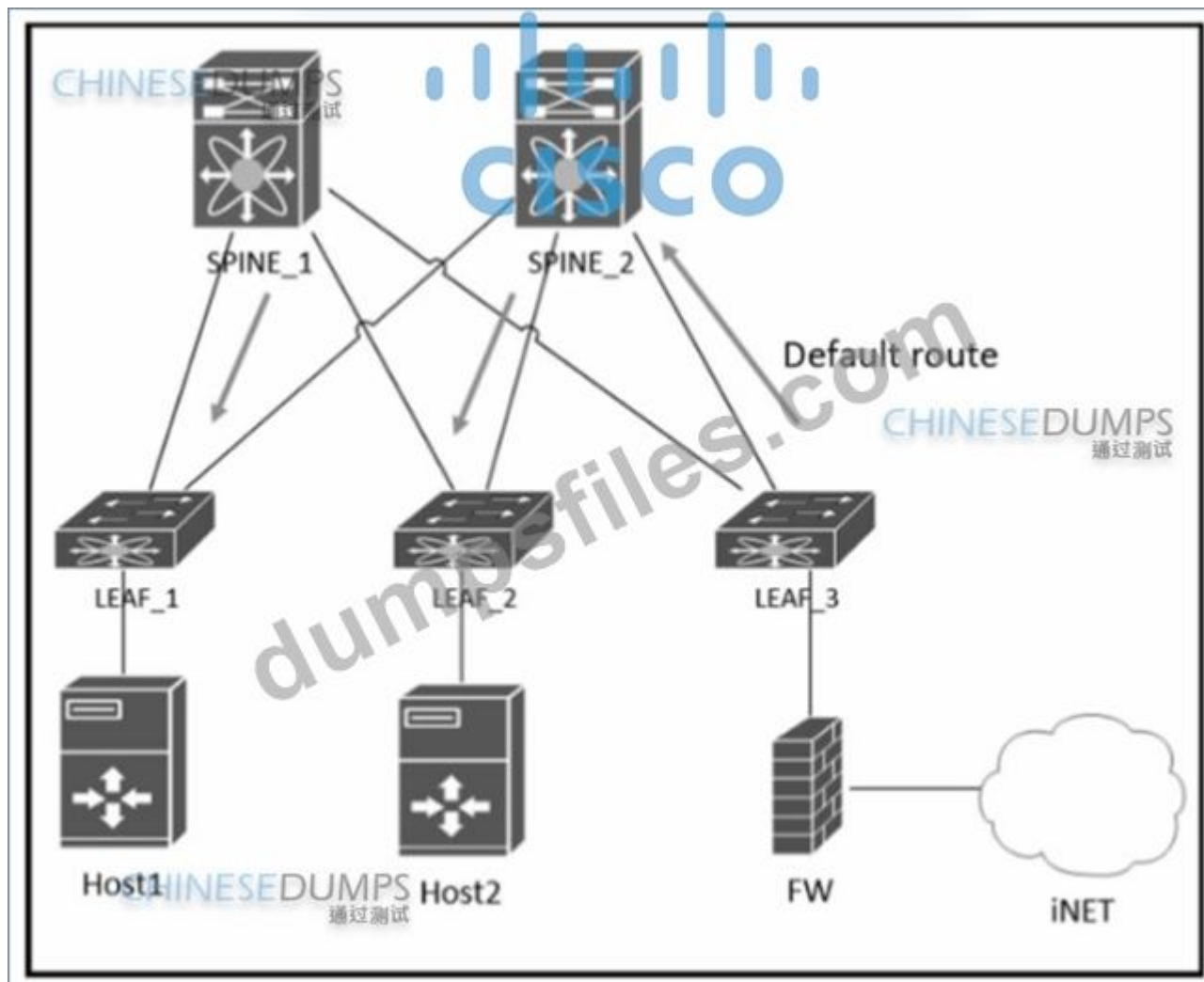
Which policy must be used to alleviate these issues?

- A. dynamic vNIC connection
- B. vNIC placement
- C. LAN connectivity
- D. Ethernet adapter

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

NEW QUESTION: 70

Refer to the exhibit.



A default route must be advertised into the VXLAN fabric for internet access. The engineer must use a static route because the edge firewall does not support any dynamic routing protocol. Which two features must the engineer use to allow learning and withdrawing of the default route without any manual intervention? (Choose two)

- A. HMM tracking
- B. Network Address Translation
- C. IP forwarding
- D. policy-based routing
- E. anycast gateway

Answer: D,E (LEAVE A REPLY)

NEW QUESTION: 71

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
VPC	two separate control planes, performs device aggregation
VPC+	

Answer:

cut-through switching	VPC+
OTV	OTV
store-and-forward switching	cut-through switching
VPC	VPC
VPC+	
cut-through switching	VPC+
OTV	OTV
store-and-forward switching	cut-through switching
VPC	VPC
VPC+	

NEW QUESTION: 72

A customer must install a new Hyperflex Stretched cluster in two sites. Low latency and predictable high performance are the top priorities for this setup due to the extensive usage of data-intensive applications across the cluster. Which HyperFlex storage solution is recommended to meet these requirements?

- A. Hybrid
- B. All-Flash
- C. All-SAN
- D. All-HDD

Answer: ([SHOW ANSWER](#))

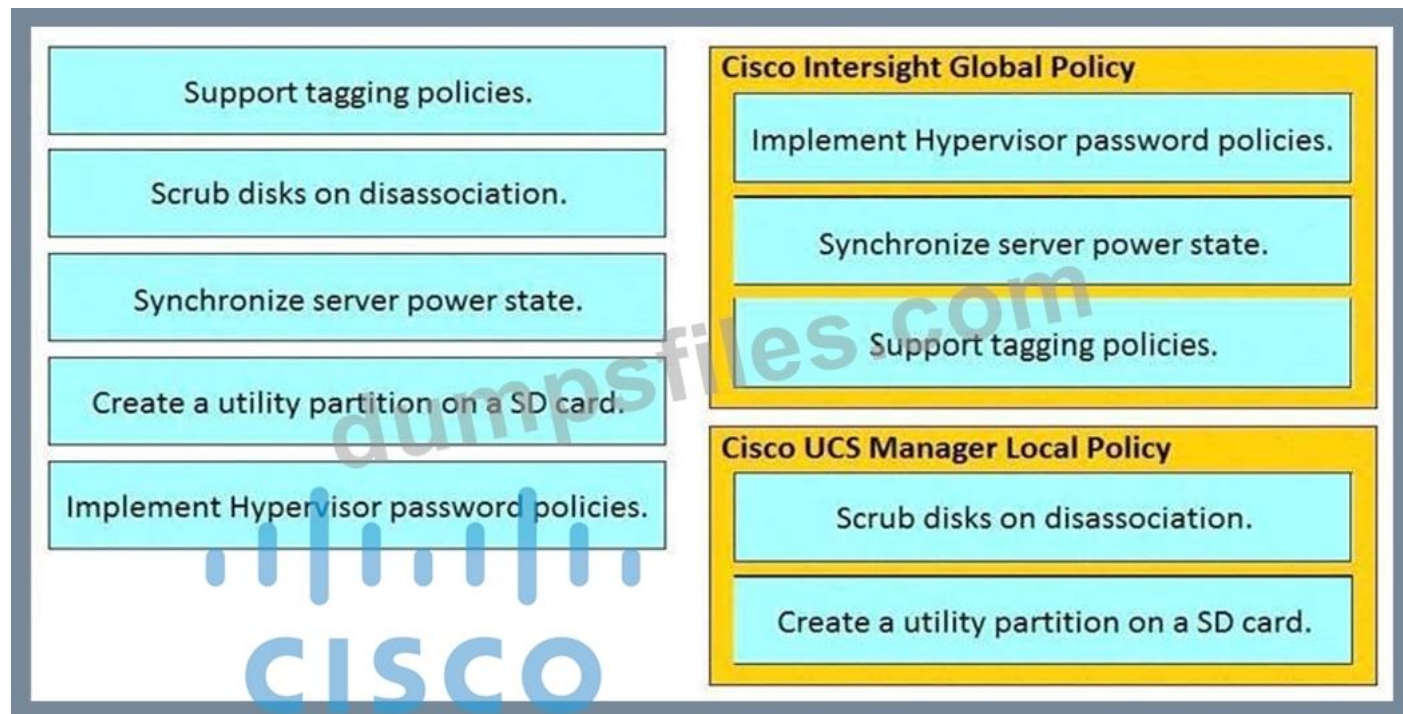
NEW QUESTION: 73

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

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

Answer:

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



NEW QUESTION: 74

Which orchestration tool provides a graphical interface to manage LAN and SAN fabrics?

- A. Cisco Virtual Topology System
- B. Cisco Nexus Fabric Manager
- C. Cisco Data Center Network Manager
- D. Cisco CloudCenter

Answer: C (LEAVE A REPLY)

NEW QUESTION: 75

An engineer enables the HSRP feature on a Cisco Nexus 7000 Series Switch. It must be ensured that the switch manages packets that are sent to the local vPC MAC address, remote vPC MAC address, and HSRP virtual MAC address.

Which command accomplishes this goal?

- A. peer-switch
- B. map-server
- C. hsrp preempt
- D. peer-gateway

Answer: C (LEAVE A REPLY)

NEW QUESTION: 76

Refer to the exhibit. A Cisco engineer is configuring a customer scenario with 2 x MDS 9000 switches 24 x UCS B200M6 blade servers. UCS 64S4 Fabric Interconnect in end-host mode and 3 x UCS 5108 server chassis with 2408 Fabric Extenders The engineer installs 6 x SQL Server 2019 on all blades and then notices that there are read and write latencies What is the best way to balance the utilization across the shared ports?

- A. Enable "Only dedicate rate mode
- B. Change the assigned speed to 8 Gbps Auto.
- C. Set 4 Gbps performance buffers

D. Disable restrictions on oversubscription ratios

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

Reference:

When restrictions on oversubscription ratios are disabled, the bandwidth allocation among the shared ports is proportionate to the configured speed. (If the configured speed is auto, then bandwidth is allocated assuming a speed of 4 Gbps.) For example, if you have three shared ports configured at 1, 2, and 4 Gbps, then the allocated bandwidth ratio is 1:2:4. In Cisco SAN-OS Release 3.0 and later (or when restrictions on oversubscription ratios are enabled), port bandwidths are allocated in equal proportions, regardless of port speed, so, the bandwidth allocation for the same three ports mentioned in the example would be 1:1:1.

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NEW QUESTION: 77

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

Links are active-active.

MAC address learning occurs on the uplink ports.

STP runs on the uplink ports.

This is the default mode of operation.

End-Host Mode

Switch Mode

Answer:

Links are active-active.

MAC address learning occurs on the uplink ports.

STP runs on the uplink ports.

This is the default mode of operation.

End-Host Mode

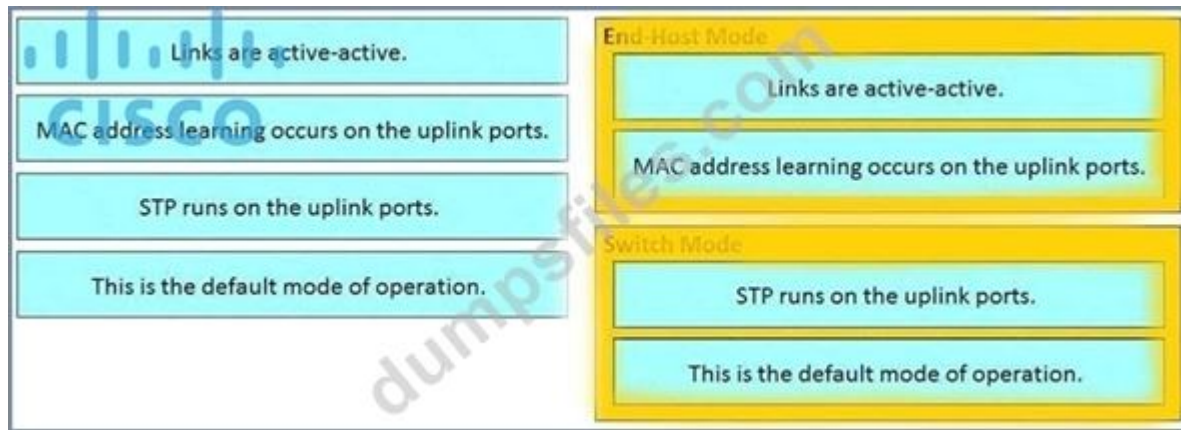
Links are active-active.

MAC address learning occurs on the uplink ports.

Switch Mode

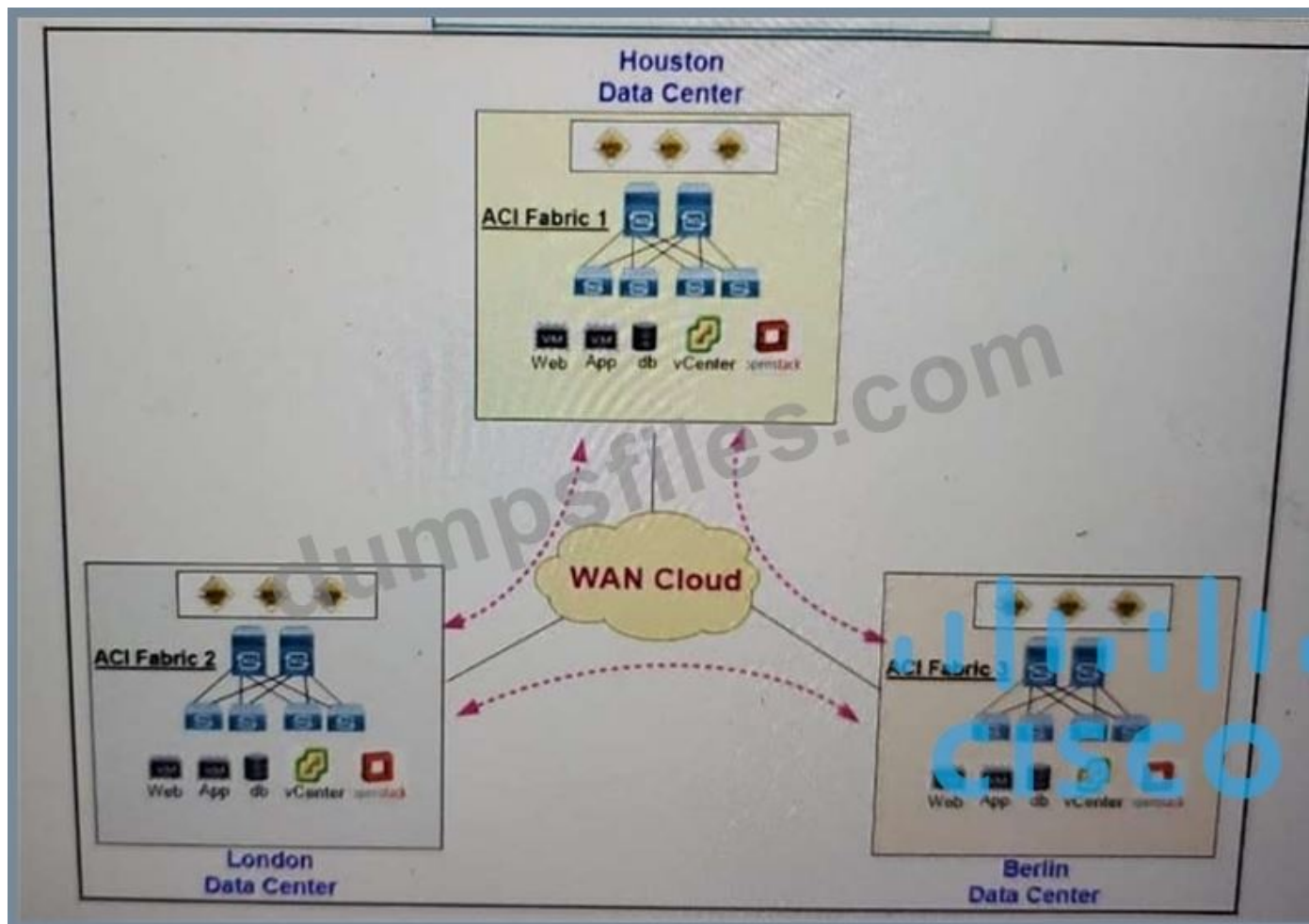
STP runs on the uplink ports.

This is the default mode of operation.



NEW QUESTION: 78

Refer to the exhibit.



A cloud provider service provider deployed three geographically separated Cisco ACI data centers. One of the customers needs to host a clustered application that is spread across the three data centers. The cluster nodes that host the application need a layer 2 topology to communicate with each other. Which Cisco ACI topology design meets these requirements?

- A. Multi-site
- B. Multi-pod over MP-BGP EVPN
- C. Multi-cloud
- D. Multi-pod over OSPF EVPN

Answer: A (LEAVE A REPLY)

Each data center has its own APIC cluster. This is multi-site setup.

NEW QUESTION: 79

An engineer must implement a WWPN pool for the vHBA template inside the Cisco UCS Manager. The template is used to connect a Cisco UCS B-Series blade to an external storage array. Which addressing sequence accomplishes this goal?

- A. from 00:0A:E6:3E:00:00 to 00:0A:E6:3E:00:FF
- B. from iqn.2020-c41i4p21y5a165.lab.ucsf-00 to iqn.2020-ceiD1pj5y135-8.lab.ucsf-FF
- C. from 192.168.1.1 to 192.168.1.254
- D. from 20:00:00:00:00:00:00:00 to 20:FF:FF:FF:FF:FF:FF:FF

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

NEW QUESTION: 80

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

physical interfaces

port channels

TCAM

VLANs

Resources that are local to a VDC

Resources shared among all VDCs

Answer:

physical interfaces

port channels

TCAM

VLANs

Resources that are local to a VDC

Resources shared among all VDCs

NEW QUESTION: 81

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: 82

Which two configurations are available by using a service profile template in Cisco UCS Manager? (Choose two.)

- A. number of vHBAs
- B. ARP entries
- C. UUID assignment
- D. VXLAN membership
- E. target server

Answer: A,C (LEAVE A REPLY)

Section: Automation Design

Explanation/Reference: https://www.cisco.com/c/en/us/td/docs/unified_computing/ucs/sw/cli/config/guide/2-2/b_UCSM_CLI_Configuration_Guide_2_2/b_UCSM_CLI_Configuration_Guide_2_2_chapter_0100000.html

NEW QUESTION: 83

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

Answer: C (LEAVE A REPLY)

NEW QUESTION: 84

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](#))

Section: Compute Design

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

NEW QUESTION: 85

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: 1px solid black; padding: 2px;">Links are active-active.</div> <div style="border: 1px solid black; padding: 2px;">MAC address learning occurs on the uplink ports.</div>
MAC address learning occurs on the uplink ports.	
STP runs on the uplink ports.	Switch Mode <div style="border: 1px solid black; padding: 2px;">STP runs on the uplink ports.</div> <div style="border: 1px solid black; padding: 2px;">This is the default mode of operation.</div>
This is the default mode of operation.	

NEW QUESTION: 86

Which approach splits a pair of clustered fabric interconnects into two standalone devices?

- A. Run the disable fips-mode command on each fabric interconnect.
- B. Run the connect local-management command on each fabric interconnect.
- C. Unplug the Layer 1 and Layer 2 interfaces between the devices.
- D. Erase the configuration of both fabric interconnects.

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 87

An engineer must connect a Cisco UCS B-Series based system to an existing large storage area network fabric. The deployment must support hardware-based load balancing, prevent Fibre Channel domain ID exhaustion, and enable all blade servers to be in the same VSAN. Which set of actions meets the requirements?

- Place all interfaces that face the fabric interconnects in the same VSAN.
• Disable zoning for the VSAN.
- Connect the fabric interconnect to the E Ports on the SAN switch.
• Create a SAN port channel.
- Enable Fibre Channel end-host mode on the fabric interconnect and NPIV mode on the SAN switch.
• Create an F Port channel that faces the fabric interconnect.
- Configure Ethernet end-host automatic load balancing on the fabric interconnect.
• Set NL port mode on the SAN switch.

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

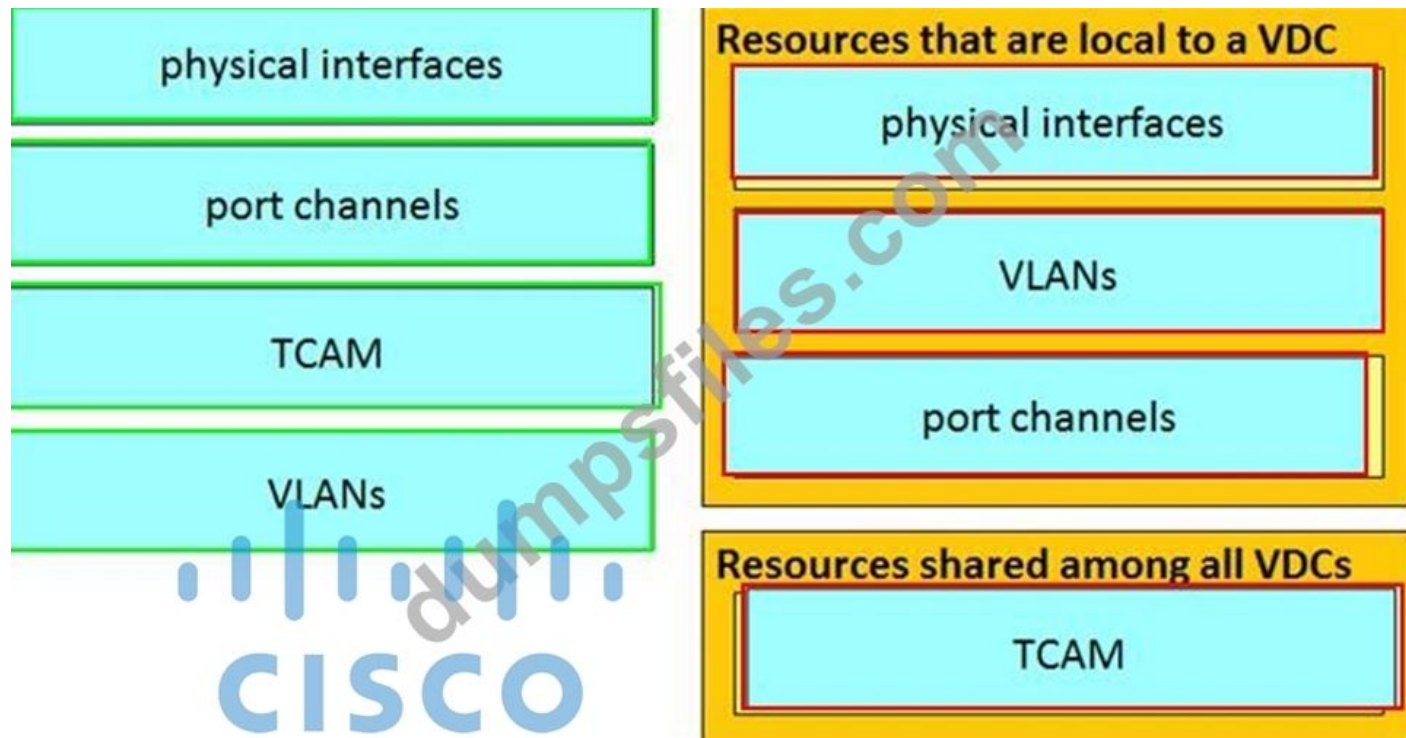
Answer: [\(SHOW ANSWER\)](#)

NEW QUESTION: 88

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

physical interfaces	Resources that are local to a VDC
port channels	
TCAM	Resources shared among all VDCs
VLANs	

Answer:



NEW QUESTION: 89

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

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

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 90

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

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

NEW QUESTION: 91

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

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

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

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NEW QUESTION: 92

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)

Reference:

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

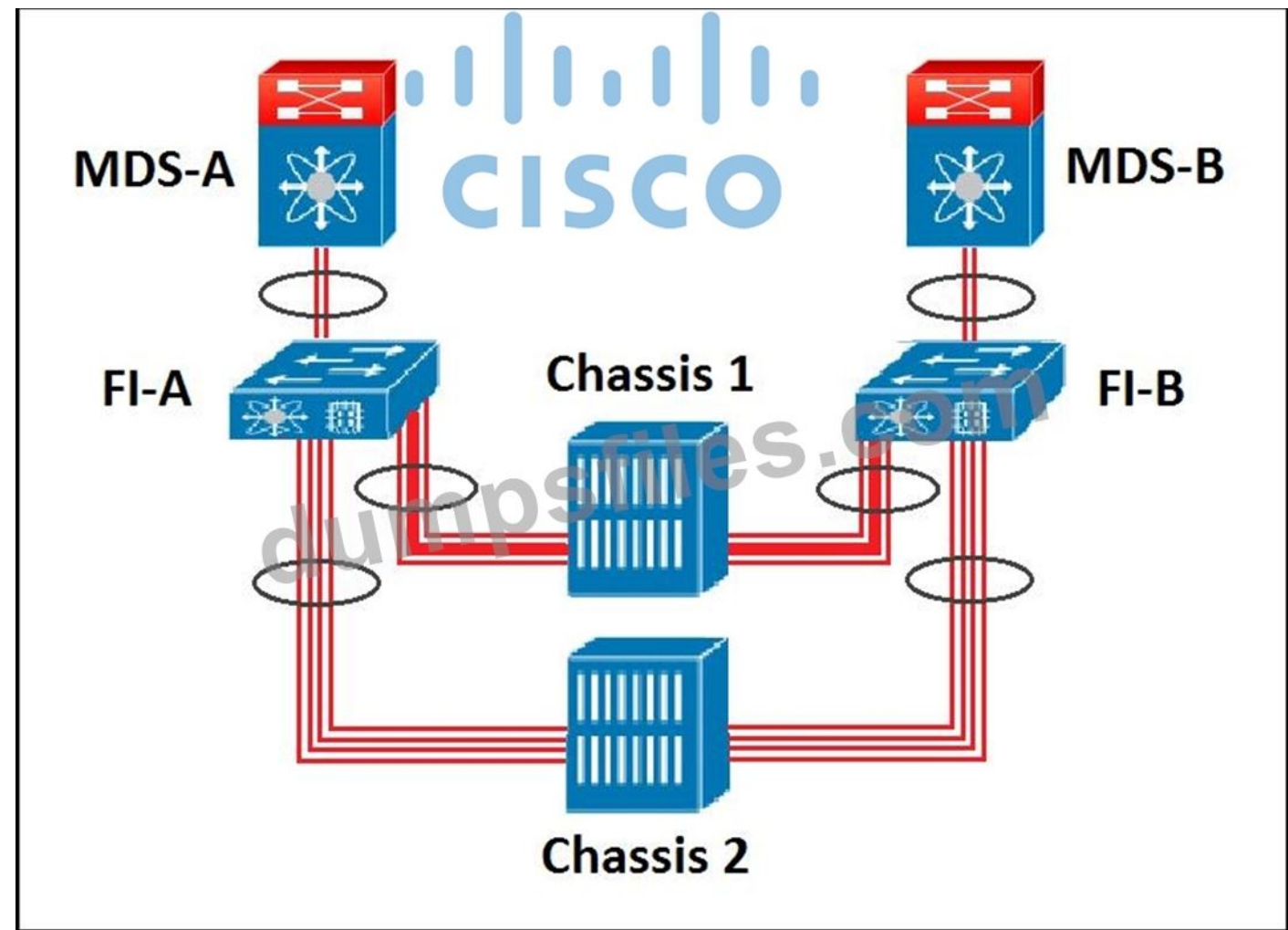
SAN Pin Groups

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: 93

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

Answer: B,C (LEAVE A REPLY)

NEW QUESTION: 94

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. 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. Deploy the stretch duster sites to be within the distance of 300 miles apart

Answer: D (LEAVE A REPLY)

NEW QUESTION: 95

A failure occurs on the network between two BFD and OSPF neighbors. Drag and drop the protocol actions from the left into the correct order on the right.

BFD notifies the local OSPF process that the BFD neighbor is no longer reachable.	Step 1
If an alternate path is available, routers immediately start converging on it.	Step 2
The BFD neighboring session with the OSPF peer is terminated.	Step 3
The local OSPF process tears down the OSPF neighbor relationship.	Step 4

Answer:

BFD notifies the local OSPF process that the BFD neighbor is no longer reachable.	The BFD neighboring session with the OSPF peer is terminated.
If an alternate path is available, routers immediately start converging on it.	BFD notifies the local OSPF process that the BFD neighbor is no longer reachable.
The BFD neighboring session with the OSPF peer is terminated.	The local OSPF process tears down the OSPF neighbor relationship.
The local OSPF process tears down the OSPF neighbor relationship.	If an alternate path is available, routers immediately start converging on it.

NEW QUESTION: 96

An engineer is operating data center environment that hosts data-intensive financial applications. The applications are mostly processing HTTP/HTTPS data with large data segments, which results in a CPU contention due to the significant network processing.

Which set of the Ethernet adapter policies must be selected to resolve the issue?

- A.
 - Receive Checksum Offload field set to Disabled
 - TCP Segmentation Offload field set to Disabled
 - Transmit Queues field: 32
 - Ring Size field: 256
- B.
 - Receive Checksum Offload field set to Enabled
 - TCP Segmentation Offload field set to Disabled
 - Transmit Queues field: 64
 - Ring Size field: 128
- C.
 - Receive Checksum Offload field set to Enabled
 - TCP Segmentation Offload field set to Enabled
 - Transmit Queues field: 128
 - Ring Size field: 64
- D.
 - Receive Checksum Offload field set to Disabled
 - TCP Segmentation Offload field set to Enabled
 - Transmit Queues field: 256
 - Ring Size field: 128

A. Option A

B. Option D

C. Option C

D. Option B

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

NEW QUESTION: 97

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:

- 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

Implement Hypervisor password policies.

Synchronize server power state.

Support tagging policies.

Cisco UCS Manager Local Policy

Scrub disks on disassociation.

Create a utility partition on a SD card.

NEW QUESTION: 98

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:

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: 99

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

NEW QUESTION: 100

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:



NEW QUESTION: 101

Which two vSphere features must be included in the design of a Cisco HyperFlex systems stretched cluster?

(Choose two.)

- A. HA
- B. VSS
- C. FT
- D. VDP
- E. DRS

Answer: (SHOW ANSWER)

Section: Compute Design

Explanation/Reference: https://www.cisco.com/c/en/us/td/docs/hyperconverged_systems/HyperFlex_HX_DataPlatformSoftware/HyperFlex_Stretched_Cluster/3_5/b_HyperFlex_Systems_Stretched_Cluster_Guide_3_5.pdf

NEW QUESTION: 102

A network architect must design a large-scale Cisco SAN topology. The customer has a limited budget, so a design that provides use of resources is required. To support this requirement, the architect to share array ports, ISL, and line card bandwidth. The customer has also presented these additional considerations:

The customers plans to expand the network by 10% over the next two years.

The customer's policy requires physically separated infrastructure to support high availability.

Which solution should be used to meet these requirements?

- A. Collapsed-core
- B. Mesh
- C. Core-edge
- D. Edge-core-edge

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

Please review this question.

NEW QUESTION: 103

A failure occurs on the network between two BFD and OSPF neighbors. Drag and drop the protocol actions from the left into the correct order on the right.

BFD notifies the local OSPF process that the BFD neighbor is no longer reachable.	step 1
If an alternate path is available, routers immediately start converging on it.	Step 2
The BFD neighboring session with the OSPF peer is terminated.	Step 3
The local OSPF process tears down the OSPF neighbor relationship.	Step 4

Answer:

BFD notifies the local OSPF process that the BFD neighbor is no longer reachable.	BFD notifies the local OSPF process that the BFD neighbor is no longer reachable.	
If an alternate path is available, routers immediately start converging on it.	If an alternate path is available, routers immediately start converging on it.	
The BFD neighboring session with the OSPF peer is terminated.	The BFD neighboring session with the OSPF peer is terminated.	
The local OSPF process tears down the OSPF neighbor relationship.	The local OSPF process tears down the OSPF neighbor relationship.	

NEW QUESTION: 104

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

Answer: A (LEAVE A REPLY)

NEW QUESTION: 105

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

Answer: C,D (LEAVE A REPLY)

NEW QUESTION: 106

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: (SHOW ANSWER)

Section: Storage Network Design

Explanation/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: 107

Which two naming formats identify target or initiator iSCSI nodes? (Choose two.)

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

Answer: (SHOW ANSWER)

<https://docs.vmware.com/en/VMware-vSphere/5.5/com.vmware.vsphere.storage.doc/GUID-686D92B6-A2B2-4944-8718-F1B74F6A2C53.html>

NEW QUESTION: 108

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

Answer: A,C (LEAVE A REPLY)

NEW QUESTION: 109

Refer to the exhibit A Cisco engineer is configuring a next-generation Cisco HyperFlex HX data platform with 2 x Cisco UCS 6248UP fabric interconnects. 8 x Cisco HX-Series HX240c-M4SX servers, plus 8 x Cisco UCS B200-M4 blade servers Cisco UCS 5108 blade chassis, and Cisco UCS 2204XP fabric extenders The solution is configured with HX Release 4.5(2a) using VMware ESXi 7.0 U2 After the engineer migrates all customer VMs to the new solution platform, the engineer decides to create HX Native snapshots for all the VMs The engineer performs the operation and notices that some of the VMs are not creating snapshots. What is the most probable reason that the HX Native snapshots are not created?

- A. The source disk is thick provisioned
- B. Virtual machines are in suspended state
- C. The servers have duplicate names
- D. The node has insufficient datastore space

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

NEW QUESTION: 110

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

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

NEW QUESTION: 111

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

Answer: (SHOW ANSWER)

NEW QUESTION: 112

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: (SHOW ANSWER)

NEW QUESTION: 113

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. Routes are based on the domain ID.
- D. FSPF runs on a per-chassis basis.

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

NEW QUESTION: 114

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: A (LEAVE A REPLY)

FC must be in switching mode for Direct Attached Storage.

NEW QUESTION: 115

An engineer is experiencing performance issues on a Cisco UCS blade server. The B-series blade server contains four CPUs, most of which are idle. The engineer notices that the CPU is suffering from too many requests sent by the NIC. Additionally, the number of queues appears to be insufficient and only a single CPU is processing the network traffic. Which policy must be used to alleviate these issues?

A. Ethernet adapter

B. vNIC placement

C. LAN connectivity

D. Dynamic vNIC connection

Answer: A (LEAVE A REPLY)

Reference:

Ethernet adapter policy is the only policy that is having configuration that is related to CPU.

NEW QUESTION: 116

Which two vSphere features must be included in the design of a Cisco HyperFlex systems stretched cluster? (Choose two.)

A. HA

B. DRS

C. FT

D. VSS

E. VDP

Answer: A,B (LEAVE A REPLY)

NEW QUESTION: 117

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](#))

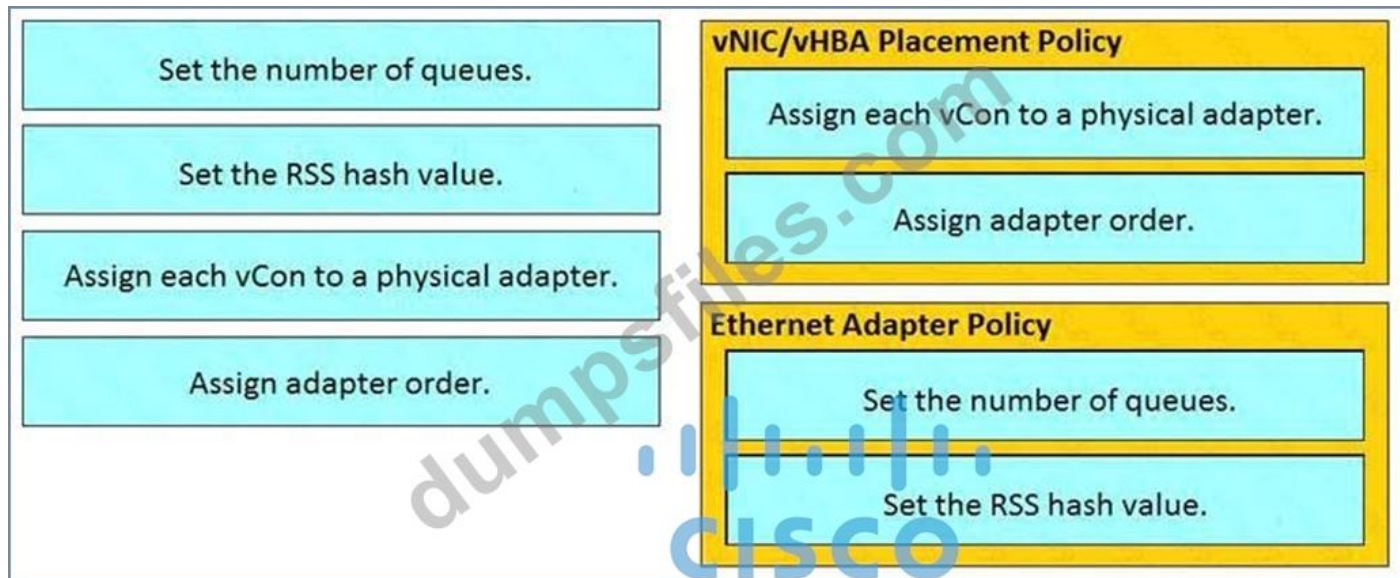
NEW QUESTION: 118

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

Set the number of queues.	vNIC/vHBA Placement Policy <div style="border: 1px solid black; height: 20px; width: 100%;"></div> <div style="border: 1px solid black; height: 20px; width: 100%;"></div>
Set the RSS hash value.	
Assign each vCon to a physical adapter.	Ethernet Adapter Policy <div style="border: 1px solid black; height: 20px; width: 100%;"></div> <div style="border: 1px solid black; height: 20px; width: 100%;"></div>
Assign adapter order.	

Answer:

Set the number of queues.	vNIC/vHBA Placement Policy <div style="border: 1px dashed black; padding: 5px;">Assign each vCon to a physical adapter.</div> <div style="border: 1px dashed black; padding: 5px;">Assign adapter order.</div>
Set the RSS hash value.	
Assign each vCon to a physical adapter.	Ethernet Adapter Policy <div style="border: 1px dashed black; padding: 5px;">Set the number of queues.</div> <div style="border: 1px dashed black; padding: 5px;">Set the RSS hash value.</div>
Assign adapter order.	



NEW QUESTION: 119

A company must integrate an iSCSI storage solution into its existing production environment. The new iSCSI network must be accessible from a limited set of network segments. The client devices follow a strict network security policy to access critical data from the storage array. Which design steps must be used to meet these requirements?

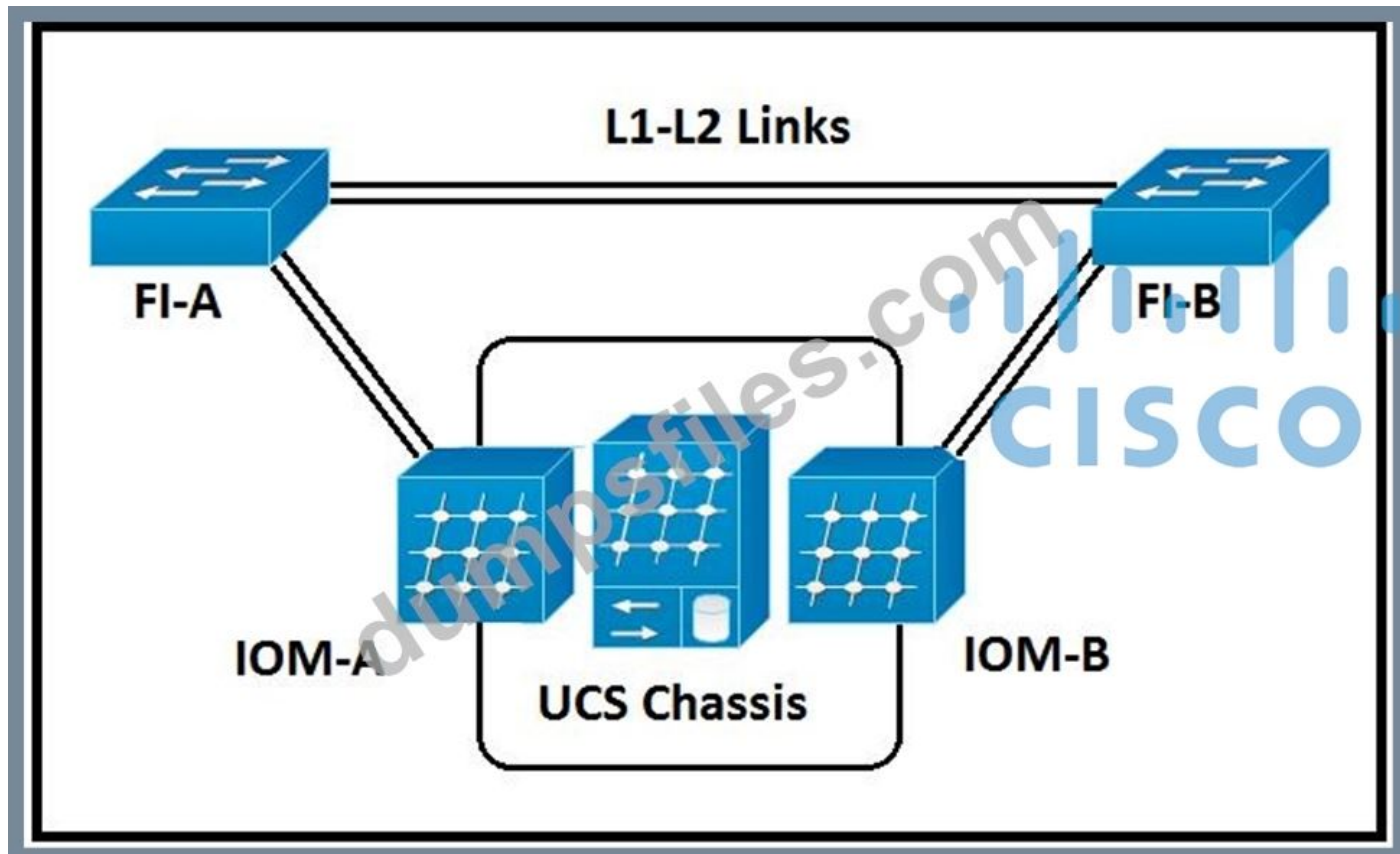
- Place the iSCSI storage appliance on the core switch to isolate it in a private VLAN.
- Configure a token-based authentication between the storage array and the clients.
- Connect the iSCSI storage appliance on the core switch using a dedicated port.
- Apply the session mutual authentication (CHAP) method between the targets and initiators.
- Deploy the iSCSI storage appliance on the core switch in a separate VRF.
- Apply the session mutual authentication (CHAP) method between the targets and initiators.
- Connect the iSCSI storage appliance on the core switch in vPC mode.
- Configure a token-based authentication between the storage array and the clients.

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

Answer: C (LEAVE A REPLY)

NEW QUESTION: 120

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

Answer: (SHOW ANSWER)

NEW QUESTION: 121

An engineer must connect an existing Cisco UCS Fabric Interconnect to an IP-based storage array. The connection must be a port 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: B (LEAVE A REPLY)

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NEW QUESTION: 122

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
ISL	ISL
VSAN	fabric logins
zone	zone
fabric logins	VSAN
ISL	ISL
VSAN	fabric logins
zone	zone

NEW QUESTION: 123

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. vFC
- B. VDC

- C. vPC
- D. VRF

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

NEW QUESTION: 124

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

- A. preshared key
- B. port number
- C. identifying tag
- D. hostname
- E. type

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 125

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 gateway routers.

Which solution should be used to meet these requirements?

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

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 126

Which two naming formats identify target or initiator iSCSI nodes? (Choose two.)

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

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

Section: Storage Network Design

Explanation/Reference: https://www.cisco.com/en/US/docs/storage/san_switches/mds9000/sw/rel_3_x/configuration/guides/cli_3_3_1/ciscsi.html

NEW QUESTION: 127

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. Implement host-facing FCoE ports as spanning-tree port type edge.

- C. Configure the FCoE VLAN in the VSAN database before including it in the trunk port.
- D. Configure the FCoE VLAN traffic on a separate interface from any other VLANs that traverse the network.

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

NEW QUESTION: 128

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. Cisco Tetration
- C. Python scripts
- D. NX-API

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

NEW QUESTION: 129

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

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

NEW QUESTION: 130

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
Set the RSS hash value.	
Assign each vCon to a physical adapter.	Ethernet Adapter Policy
Assign adapter order.	

NEW QUESTION: 131

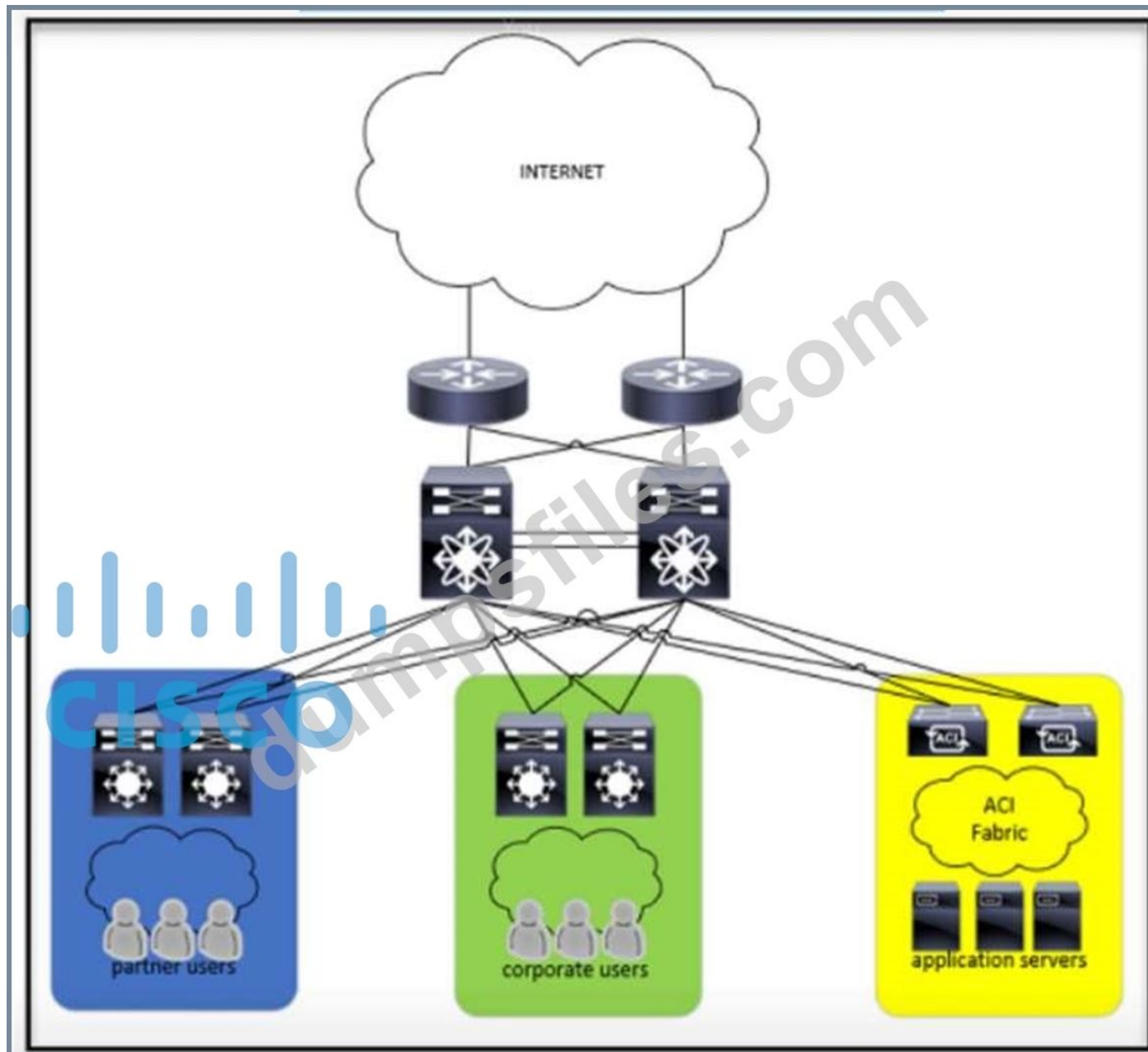
An engineer manages a multi-organization Cisco UCS fabric and requires a solution to streamline the daily operational tasks of creating service profile templates. The operations team is unfamiliar with programming languages and must have a solution that is written in an easy-to-read and declarative manner. 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. CFEngine
- B. Chef
- C. Ansible
- D. Puppet

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

NEW QUESTION: 132

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

Answer: A (LEAVE A REPLY)

NEW QUESTION: 133

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

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

Answer:

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

NEW QUESTION: 134

What is a design consideration when implementing FSPF?

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

Answer: A (LEAVE A REPLY)

Section: Network Design

Explanation/Reference: https://www.cisco.com/c/en/us/td/docs/switches/datacenter/mds9000/sw/5_0/configuration/guides/fabric/nxos/cli_fabric/fspf.html

NEW QUESTION: 135

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. VRF
- B. vFC

- C. vPC
- D. VDC

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

NEW QUESTION: 136

An engineer is experiencing performance issues on a cisco UCS blade server. The B-series blade server contains four CPUs, most of which are idle. The engineer notices that the CPU is suffering from too many requests sent by the NIC. Additionally, the number of queues appears to be insufficient and only a single CPU is processing the network traffic. Which policy must be used to alleviate these issues?

- A. Ethernet adapter
- B. vNIC placement
- C. LAN connectivity
- D. Dynamic vNIC connection

Answer: (SHOW ANSWER)

https://www.cisco.com/en/US/docs/unified_computing/ucs/sw/gui/config/guide/141/UCSM_GUI_Configuration_Guide_141_chapter19.html

Ethernet adapter policy is the only policy that is having configuration that is related to CPU.

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NEW QUESTION: 137

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

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

NEW QUESTION: 138

A Cisco UCS chassis with several blade servers, a pair of IOMs, and a pair of Cisco UCS Fabric Interconnects are installed in a data center.

Which two high-availability architectures are recommended between the IOMs and fabric interconnects? (Choose two.)

- A. Any combination of one to eight links are supported to be used between each IOM and fabric interconnect.
- B. IOM is connected to the fabric interconnect that is acting as fabric A. and IOM B is connected to the fabric interconnect that is acting as fabric B.
- C. One, two, four and eight links are supported to be used between each IOM and fabric interconnect.
- D. The IOMs are connected with multiple straight and cross-connect links toward a pair of nonclustered fabric interconnects.
- E. Straight and cross-connect links should be used between the IOMs and fabric interconnects to offer higher availability.

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

NEW QUESTION: 139

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: (SHOW ANSWER)

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.

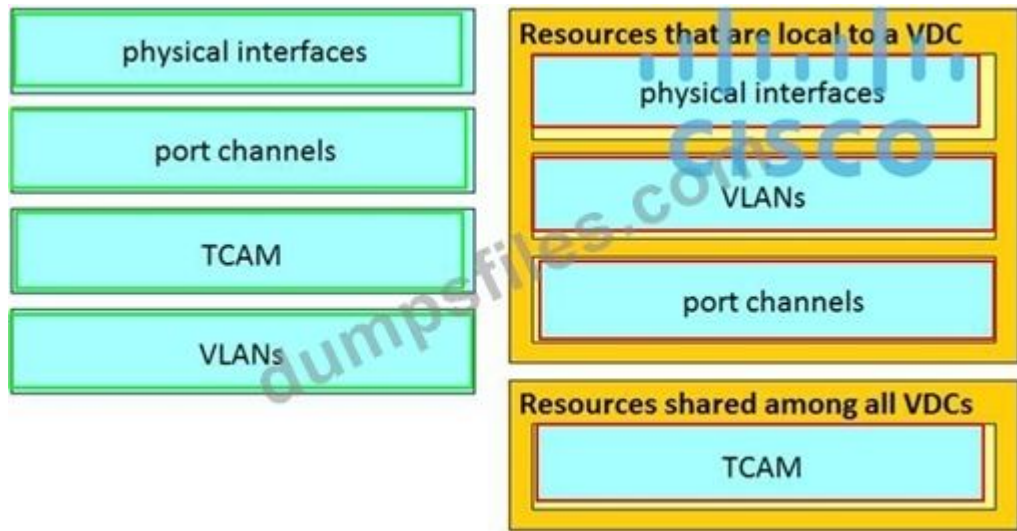


NEW QUESTION: 140

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



Answer:



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