

Cisco.300-610.v2022-03-25.q102

Exam Code:	300-610
Exam Name:	Designing Cisco Data Center Infrastructure
Certification Provider:	Cisco
Free Question Number:	102
Version:	v2022-03-25
# of views:	2279
# of Questions views:	1020
https://www.exam-tests.com/300-610-exam/Cisco.300-610.v2022-03-25.q102.html	

NEW QUESTION: 1

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.

If an alternate path is available, routers immediately start converging on it.

The BFD neighboring session with the OSPF peer is terminated.

The local OSPF process tears down the OSPF neighbor relationship.

step 1

Step 2

Step 3

Step 4

Answer:

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.

The BFD neighboring session with the OSPF peer is terminated.

The local OSPF process tears down the OSPF neighbor relationship.

The BFD neighboring session with the OSPF peer is terminated.

BFD notifies the local OSPF process that the BFD neighbor is no longer reachable.

The local OSPF process tears down the OSPF neighbor relationship.

If an alternate path is available, routers immediately start converging on it.

Explanation

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: 2

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

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

Answer: D (LEAVE A REPLY)

Section: Compute Design

NEW QUESTION: 3

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)

Section: Storage Network Design

Explanation/Reference: https://www.cisco.com/c/en/us/td/docs/switches/datacenter/mds9000/sw/8_x/config/interfaces/cisco_mds9000_interfaces_config_guide_8x/congestion_avoidance_isolation.html

NEW QUESTION: 4

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	e is.
converged network adapter	FEX	

NEW QUESTION: 5

Which feature must be configured to connect a classical Ethernet network to a data center network so that the data center network appears to be one large switch.

- A. VPC+
- B. UDLD
- C. EVPN
- D. OSPF

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

Section: Network Design

NEW QUESTION: 6

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

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

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 7

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

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

Answer: A,E (LEAVE A REPLY)

Reference:

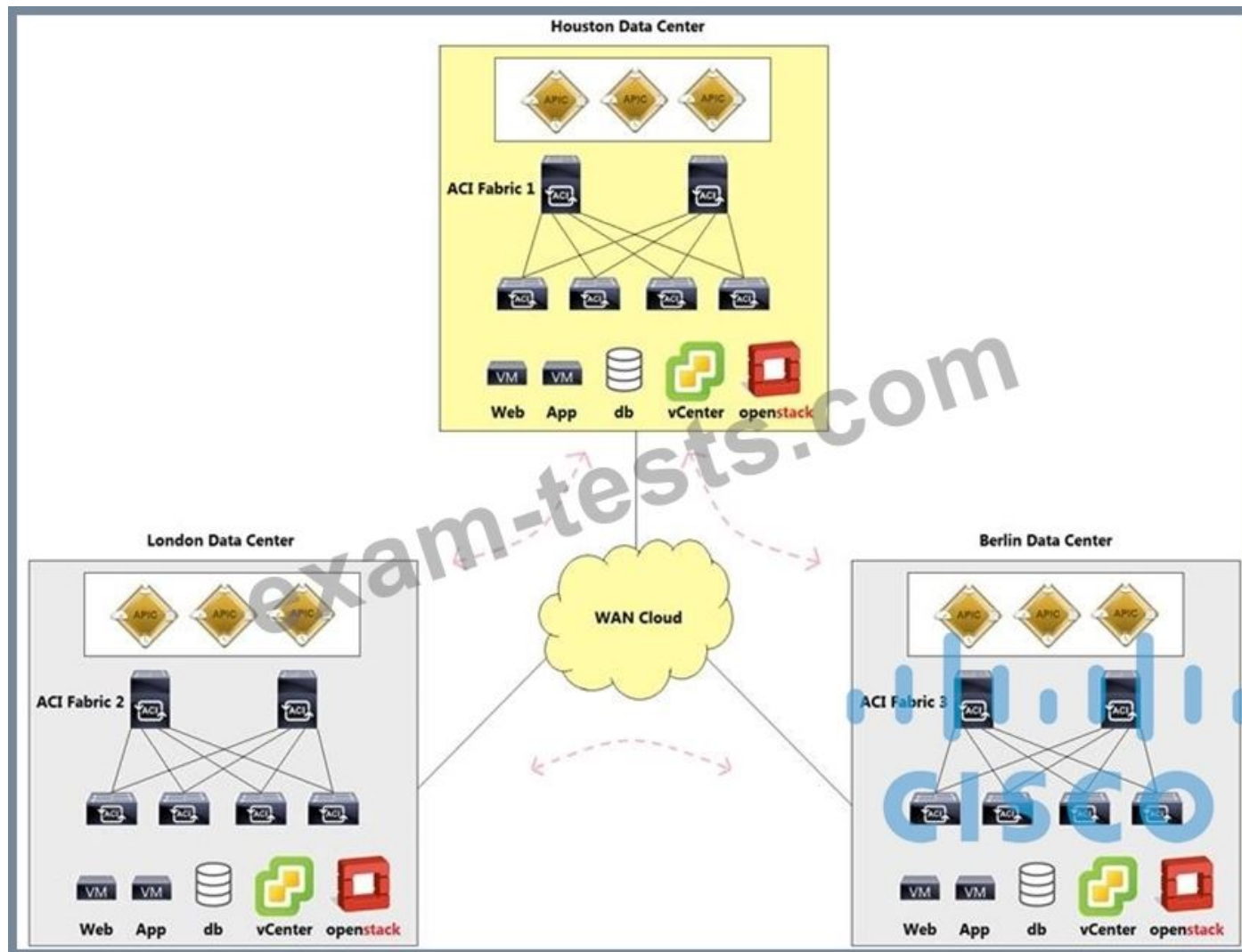
https://www.cisco.com/c/en/us/td/docs/unified_computing/ucs/ucs-central/GUI-User-Guides/Operations/b_UCSC_Ops_Guide/b_UCSC_Ops_Guide_chapter_0111.html#id_16185

User Acknowledgment Behavior Explained

- Global service profiles with global maintenance policy:
 - Shows pending activities alert in Cisco UCS Manager, **cannot** acknowledge in Cisco UCS Manager.
 - Shows pending activities alert in Cisco UCS Central, can acknowledge in Cisco UCS Central.
- Local service profiles with global maintenance policy:
 - Shows pending activities in Cisco UCS Manager, **cannot** acknowledge in Cisco UCS Manager.
 - Shows in Cisco UCS Central pending activities, must acknowledge in Cisco UCS Central.
- Local service profile with local maintenance policy (UCS domain registered with Cisco UCS Central):
 - Shows pending activities in Cisco UCS Manager, can acknowledge in Cisco UCS Manager.
 - Shows in Cisco UCS Central pending activities, can acknowledge in Cisco UCS Central.

NEW QUESTION: 8

Refer to the exhibit.



A cloud 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-Cloud
- B. Multi-Pod over OSPF EVPN
- C. Multi-Pod over MP-BGP EVPN
- D. Multi-Site

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 9

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

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

Which addressing scheme was used in the environment?

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

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

NEW QUESTION: 10

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

Set the number of queues.

Set the RSS hash value.

Assign each vCon to a physical adapter.

Assign adapter order.

vNIC/vHBA Placement Policy

Ethernet Adapter Policy

Answer:

Set the number of queues.

Set the RSS hash value.

Assign each vCon to a physical adapter.

Assign adapter order.

vNIC/vHBA Placement Policy

Assign each vCon to a physical adapter.

Assign adapter order.

Ethernet Adapter Policy

Set the number of queues.

Set the RSS hash value.

NEW QUESTION: 11

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

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

Answer: B,D (LEAVE A REPLY)

NEW QUESTION: 12

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

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

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

NEW QUESTION: 13

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

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

NEW QUESTION: 14

An engineer must interconnect two geographically separated data centers. The service provide offers a Layer 2 metro Ethernet link. The strict security policy requires that the information that is shared between two sites must be sent encrypted. The application deployed between sites requires a line-rate throughput regardless of the packet size and speed. Which solution meets these requirements?

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

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

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

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

NEW QUESTION: 15

An engineer designs a Cisco UCS solution that must provide guaranteed and deterministic bandwidth to a specific server in the environment. The solution must apply to network and storage traffic of C-Series and BSeries servers.

Which solution should be included to meet these requirements?

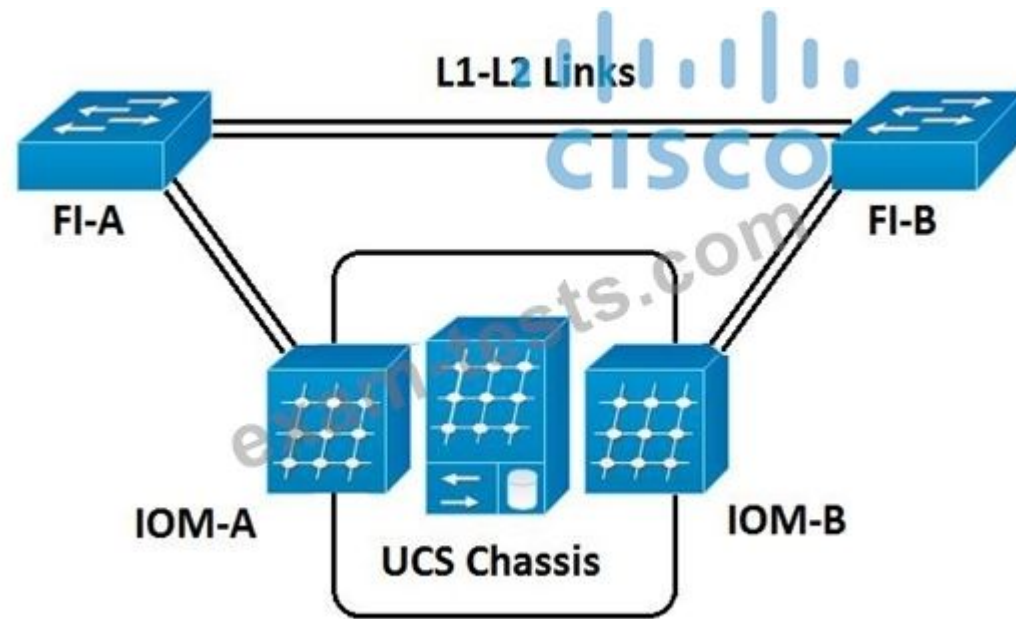
- A. Pin the IOM ports of the service profile to dedicated server ports.
- B. Pin the server ports of the service profile to dedicated uplink ports.

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

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

NEW QUESTION: 16

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

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

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NEW QUESTION: 17

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: 18

Which address pool is used when a vHBA template is created?

- A. IP
- B. MAC
- C. WWPN

D. UUID
Answer: (SHOW ANSWER)

NEW QUESTION: 19

DRAG DROP

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.
Select and Place:

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

Section: Compute Design

NEW QUESTION: 20

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

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

Answer: A (LEAVE A REPLY)

NEW QUESTION: 21

A network architect designs a high-availability architecture for the Cisco UCS Fabric interconnects that 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 L1 and one connection from port L2 to L2 with Ethernet cables
- C. dual connections from port L1 to L2 and one connection from port L2 to L1 with Ethernet cables dual
- D. dual connections from port L1 to 12 and one connection from port L2 to L1 with twinax cables

Answer: (SHOW ANSWER)

https://www.cisco.com/c/en/us/td/docs/unified_computing/ucs/sw/gui/config/guide/1-0-2/b_GUI_Config_Guide/GUI_Config_Guide_chapter4.pdf

To use the cluster configuration, the two fabric interconnects must be directly connected together using Ethernet cables between the L1 (L1-to-L1) and L2 (L2-to-L2) high availability ports, with no other fabric interconnects in between. This allows the two fabric interconnects to continuously monitor the status of each other and quickly know when one has failed.

NEW QUESTION: 22

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

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

Answer: B (LEAVE A REPLY)

NEW QUESTION: 23

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

physical interfaces

port channels

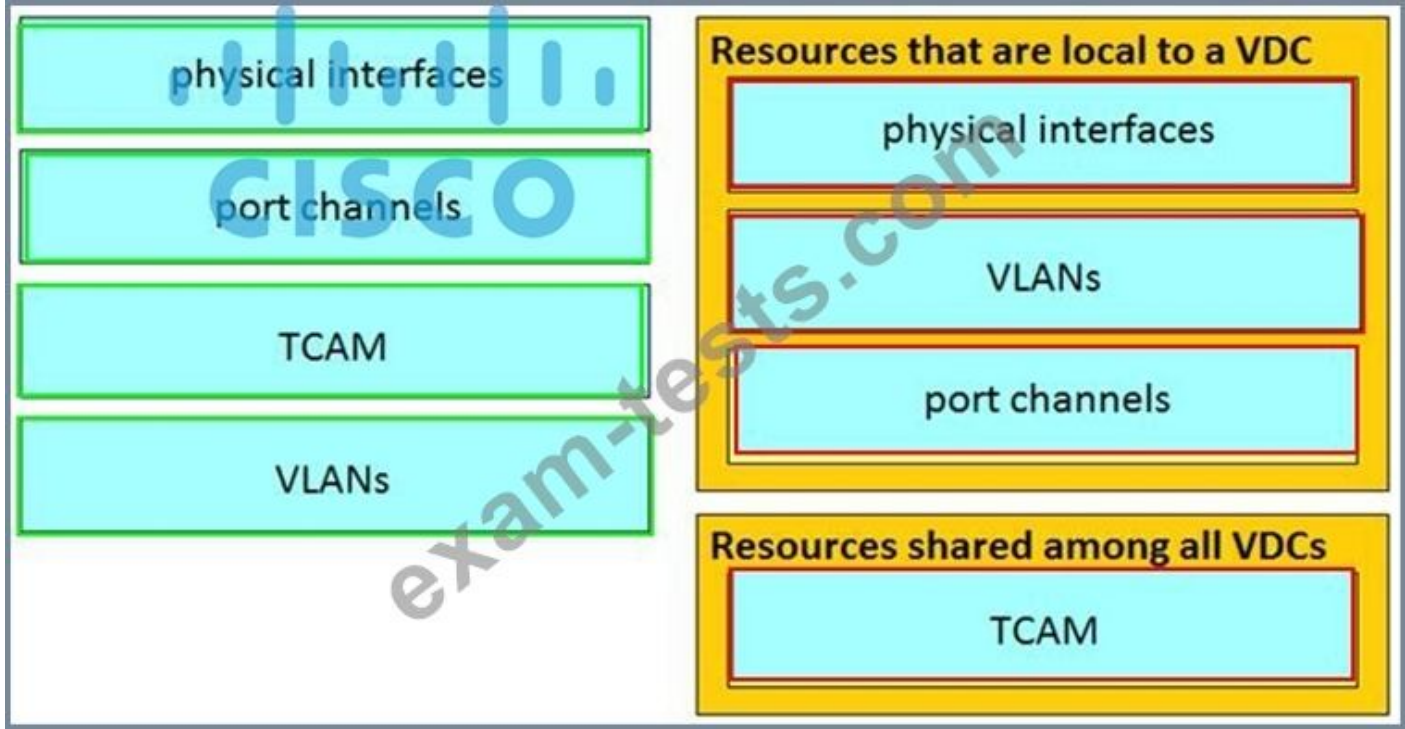
TCAM

VLANs

Resources that are local to a VDC

Resources shared among all VDCs

Answer:



NEW QUESTION: 24

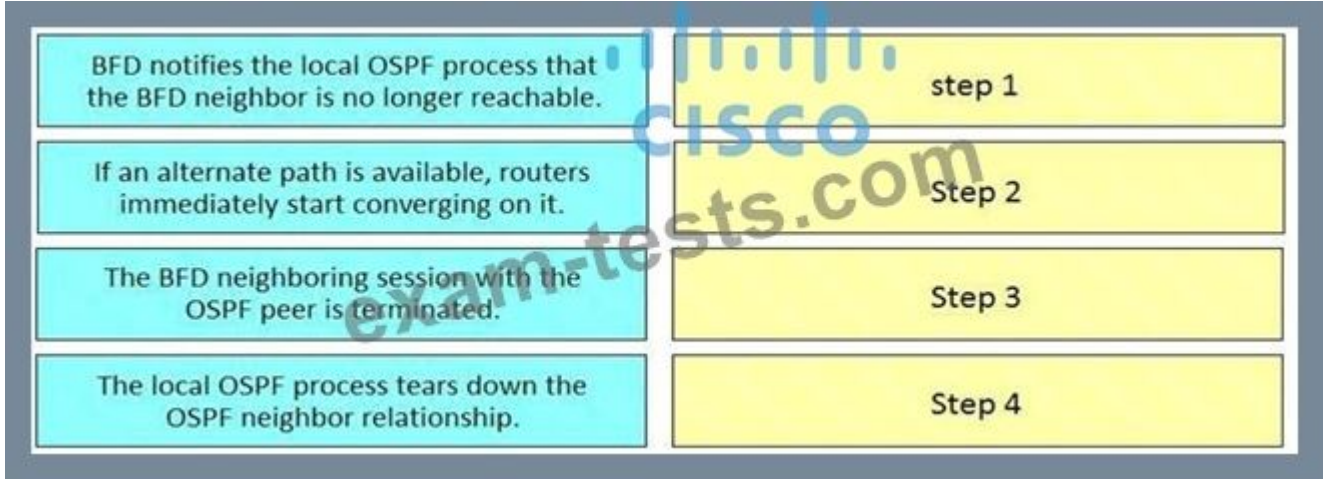
Which technology enables Layer 2 extension between remote data center sites?

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

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

NEW QUESTION: 25

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.



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.
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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: 26

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

Section: Storage Network Design

NEW QUESTION: 27

Which pools are used when a vNIC template is created in Cisco UCS Manager?

- A. IP
- B. MAC
- C. UUID
- D. WWPN

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

NEW QUESTION: 28

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

- A. Cisco Virtual Topology System
- B. Cisco Data Center Network Manager

- C. Cisco Nexus Fabric Manager
- D. Cisco CloudCenter

Answer: ([SHOW ANSWER](#))

Section: Automation Design

Explanation/Reference: https://www.cisco.com/c/en/us/td/docs/switches/datacenter/sw/DCNM_OLH/SAN_Client/fmhelp/fmc.html#34479

NEW QUESTION: 29

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

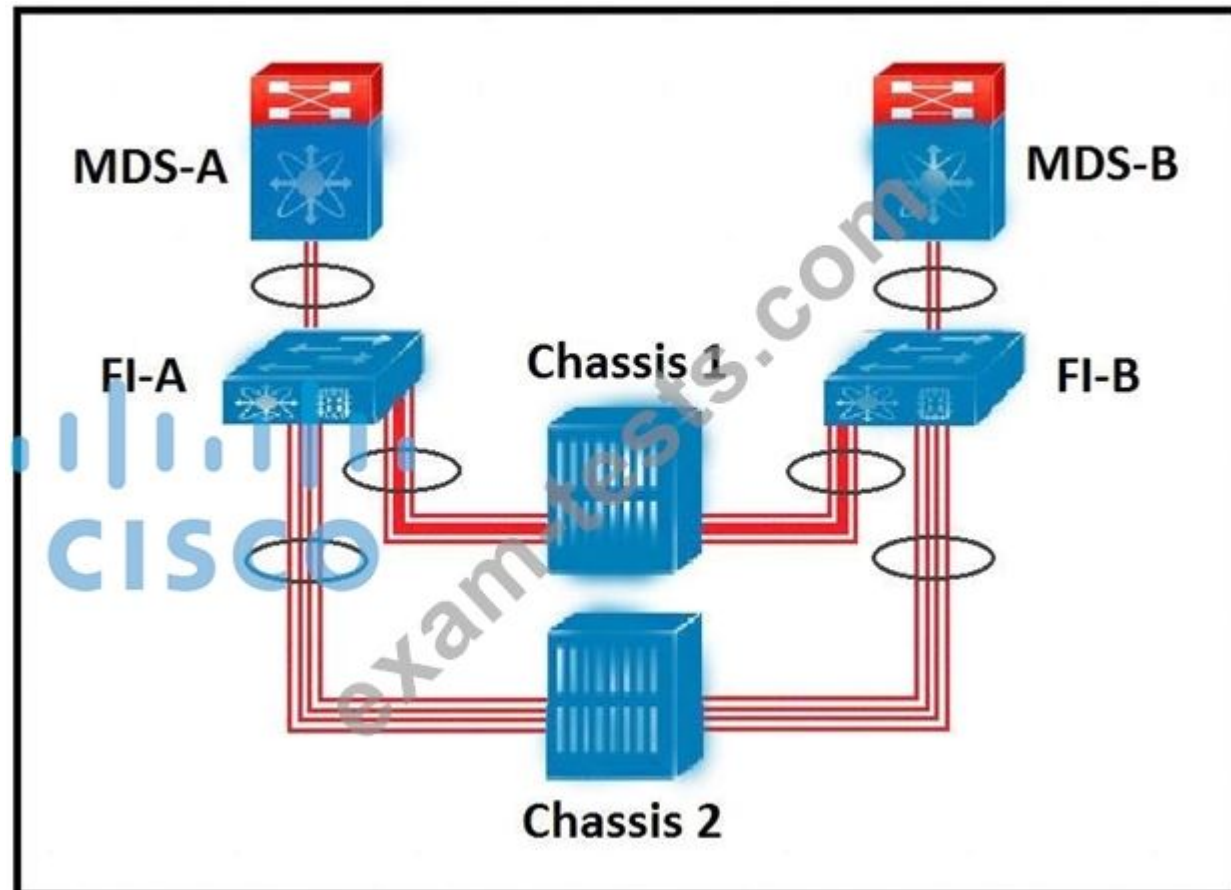
Answer: A ([LEAVE A REPLY](#))

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: 30

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.)

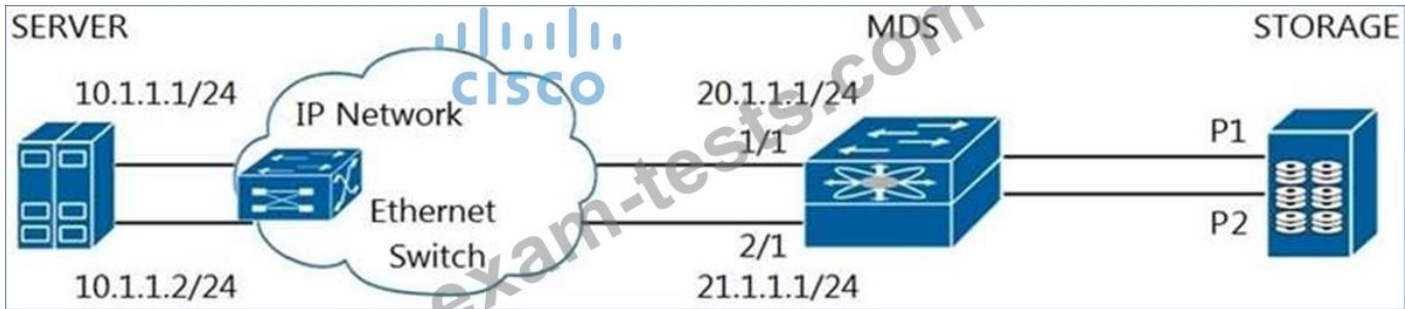
- A. NPIV feature on the Cisco MDS Series
- B. NPV feature on the Cisco MDS Series.
- C. Smart Zoning feature on the Cisco UCS Fabric Interconnects

- D. end-host mode feature on the Cisco UCS Fabric Interconnects
- E. SAN Pin Groups on the Cisco UCS Fabric Interconnects.

Answer: A,B (LEAVE A REPLY)

NEW QUESTION: 31

Refer to the exhibit.



A high-availability setup for iSCSI is designed with the host running iSCSI multipath software. Each IP storage port on the MDS switch exports the same two Fibre Channel target ports with different iSCSI target names.

In this design, how many iSCSI sessions are created from the host so that recovery occurs if any component fails?

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

Answer: D (LEAVE A REPLY)

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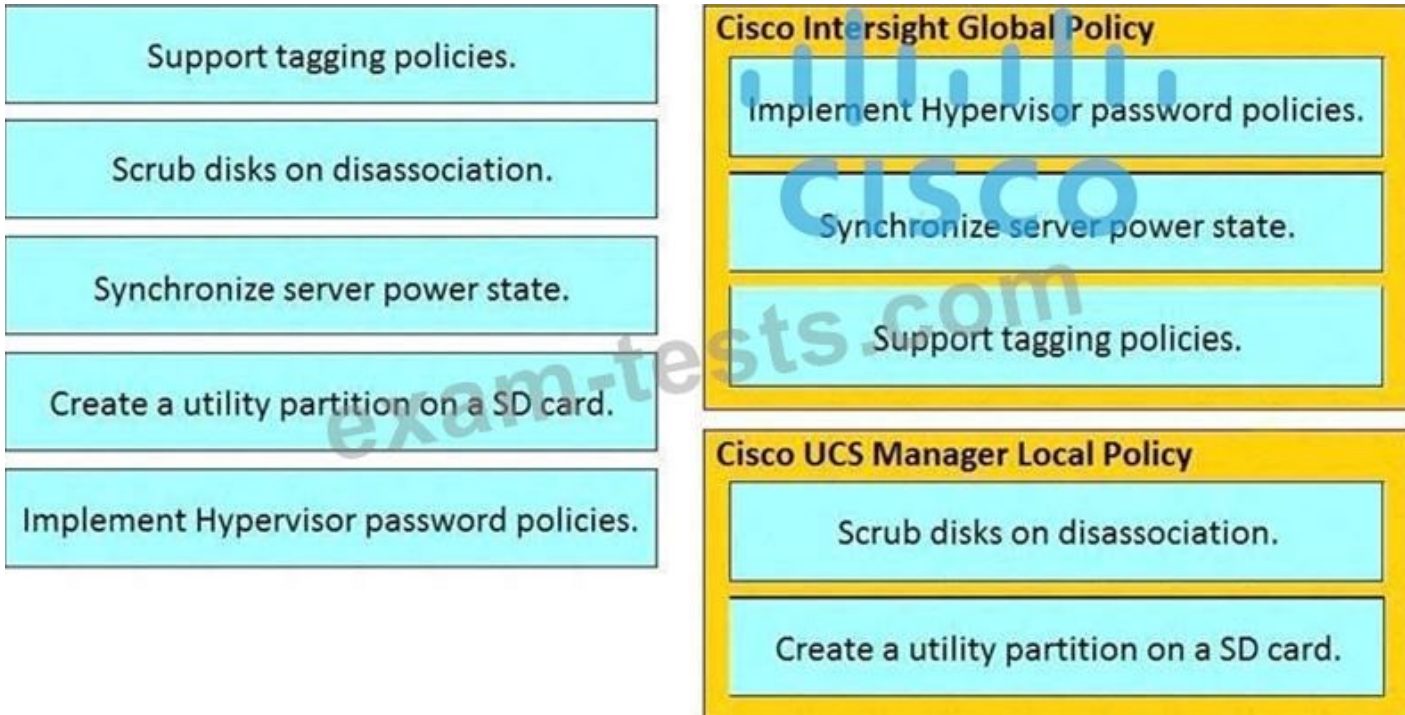
NEW QUESTION: 32

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.	
Implement Hypervisor password policies.	Cisco UCS Manager Local Policy

Answer:

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



NEW QUESTION: 33

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: 34

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

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

Answer: D (LEAVE A REPLY)

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

NEW QUESTION: 35

What is the disadvantage of asynchronous storage replication as compared to synchronous storage replication in a disaster recovery design?

- A. reduction in application performance

- B. distance limitations
- C. specific backup requirements
- D. potential data loss

Answer: D (LEAVE A REPLY)

Section: Storage Network Design

Explanation/Reference:

Reference: <https://www.evidian.com/products/high-availability-software-for-application-clustering/synchronous-replication-vs-asynchronous-replication/>

NEW QUESTION: 36

Refer to the exhibit.

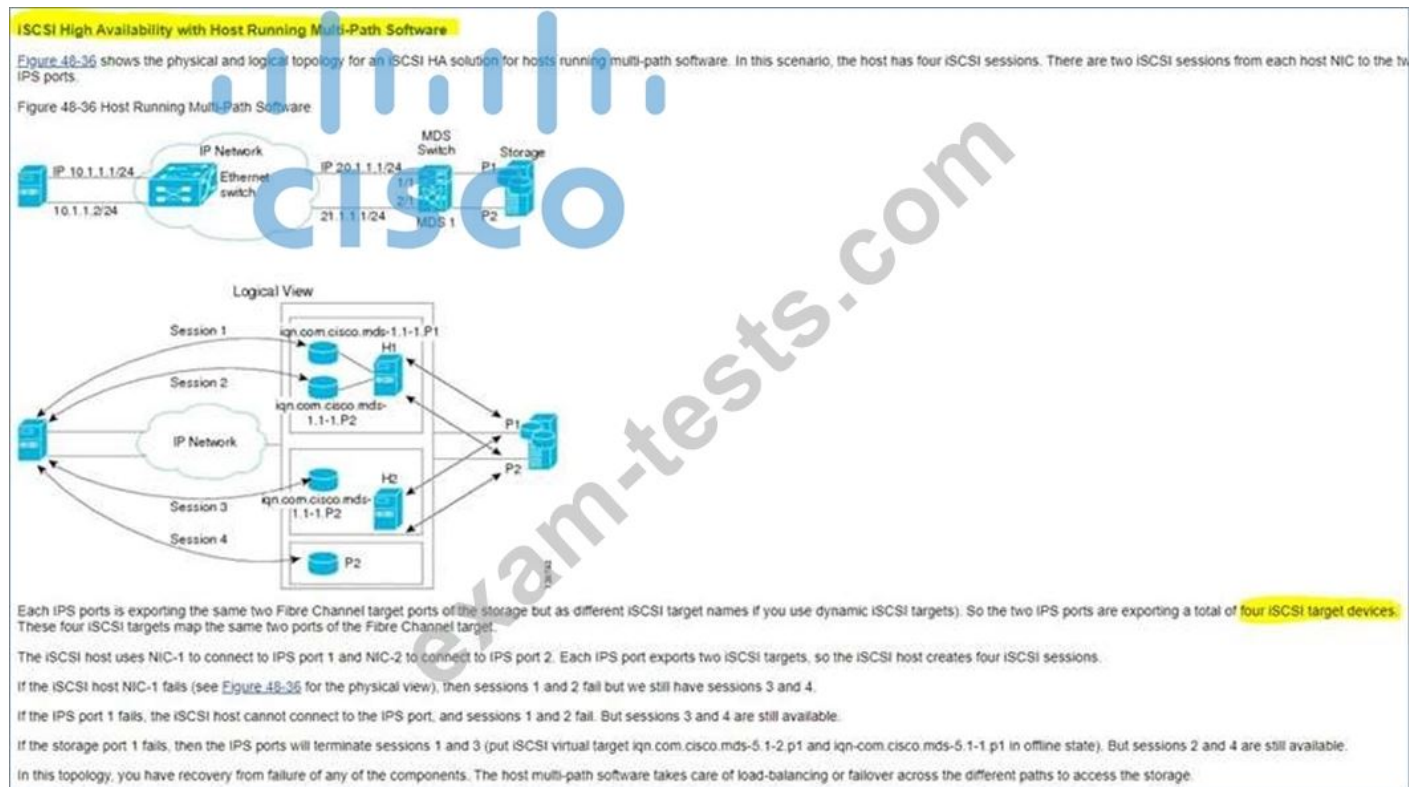


A high-availability setup for iSCSI is designed with the host running iSCSI software. Each storage port on the MDS exports the same two Fibre Channel target ports with different iSCSI target names. In this design, how many iSCSI sessions are created from the host so that recovery occurs if any component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

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

Answer: C (LEAVE A REPLY)

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



NEW QUESTION: 37

A company owns a large-scale compute infrastructure that consists of over 1000 servers and virtual machines. The operational complexity continues to grow with additional policies and servers added to the environment. An infrastructure engineer is looking for an automation tool to reduce the operational complexity of configuring complex infrastructure. Because of the strict security requirements, the tool must be agentless, use the secure shell for transport, and be extendable using existing Python modules. Which tool meets these requirements?

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

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

NEW QUESTION: 38

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

- A. strict priority queuing
- B. Resource Reservation Protocol
- C. weighted round robin
- D. differentiated services

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

NEW QUESTION: 39

Refer to the exhibit.

Create vHBA Template

Name :

Description :

Fabric ID : ☒ A ☐ B

Redundancy

Redundancy Type : ☒ No Redundancy ☐ Primary Template ☐ Secondary Template

Select VSAN : default

Template Type : ☒ Initial Template ☐ Updating Template

Max Data Field Size : 2048

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

QoS Policy : <not set> ▼

Pin Group : <not set> ▼

Stats Threshold Policy : default ▼



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

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

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

NEW QUESTION: 40

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

Answer: (SHOW ANSWER)

Source is from Cisco Press Hyperconverged Infrastructure Data Centers: Demystifying HCI.

HyperFlex Integration with External Storage

One of the differentiators of HX is the use of UCS to easily integrate with external storage. HX integrates with existing storage infrastructures via the UCS connectivity to SANs and network-attached storage (NAS). Outside fibre channel storage connects to the fabric interconnect via fibre channel interfaces. Similarly, iSCSI storage connects via Ethernet. Storage devices also connect to the UCS VIC. Interfaces on the VICs are configured, via software, as either FCoE or Ethernet depending on the storage requirement. This enables the customer to work with both SANs and hyperconverged infrastructure and easily migrate traffic. Examples of some applications where HX integrates with legacy infrastructure include

- ■ Boot and run VMs that are stored on the legacy SAN.
- ■ Use the SAN for storage backup.
- ■ Migrate VMs and storage to the newer hyperconverged infrastructure.
- ■ Use raw device mapping (RDM) from the fibre channel array for Microsoft clustering.

By connecting HX to external storage arrays, administrators can connect fibre channel LUNs from an IBM VersaStack or connect to Network File System (NFS) volumes on a NetApp FlexPod. RDM, for example, allows a VM on HX to use the full LUN on a storage array that is used for Microsoft clustering services, thus allowing multiple Microsoft servers to share storage.

NEW QUESTION: 41

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

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

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

NEW QUESTION: 42

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: (SHOW ANSWER)

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: 43

DRAG DROP

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

Select and Place:

Set the number of queues.

Set the RSS hash value.

Assign each vCon to a physical adapter.

Assign adapter order.

vNIC/vHBA Placement Policy

Ethernet Adapter Policy

Answer:

Set the number of queues.

Set the RSS hash value.

Assign each vCon to a physical adapter.

Assign adapter order.

vNIC/vHBA Placement Policy

Assign each vCon to a physical adapter.

Assign adapter order.

Ethernet Adapter Policy

Set the number of queues.

Set the RSS hash value.

Section: Compute Design

Explanation/Reference: https://www.cisco.com/c/en/us/td/docs/unified_computing/ucs/sw/gui/config/guide/2-2/b_UCSM_GUI_Configuration_Guide_2_2/configuring_network_related_policies.html#task_7F03A03C719A4A44B8ACFAD73AAD73C

NEW QUESTION: 44

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

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

Answer: (SHOW ANSWER)

Section: Storage Network Design

Explanation/Reference: <https://www.cisco.com/c/en/us/products/collateral/storage-networking/mds-9700-series-multilayer-directors/white-paper-c11-729697.html>

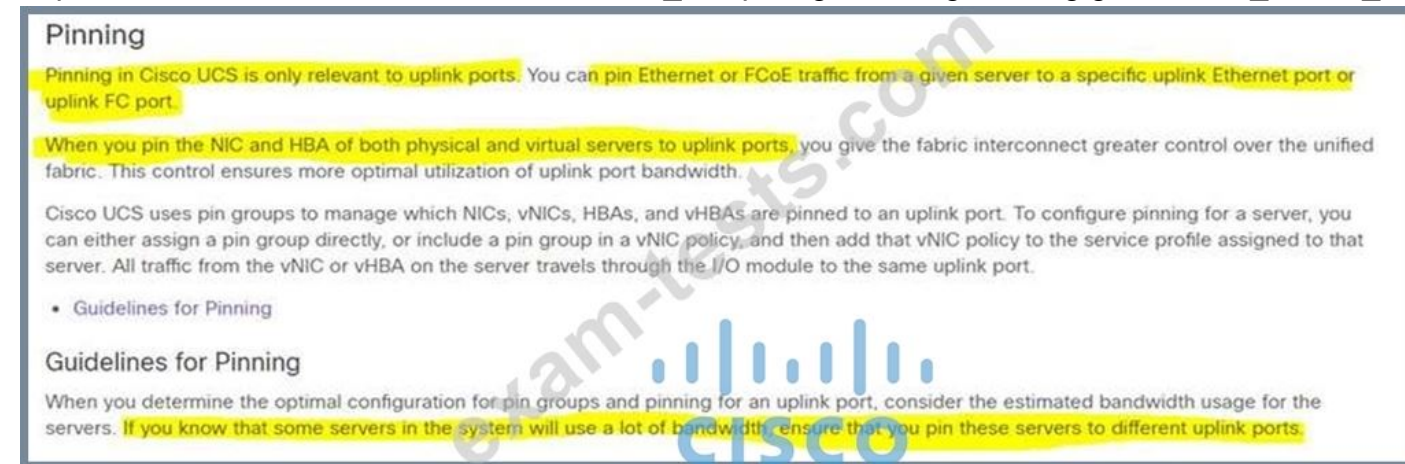
NEW QUESTION: 45

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

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

Answer: B (LEAVE A REPLY)

https://www.cisco.com/c/en/us/td/docs/unified_computing/ucs/sw/gui/config/guide/2-2/b_UCSM_GUI_Configuration_Guide_2_2/b_UCSM_GUI_Configuration_Guide_2_2_chapter_010.html#concept_7DE33CE2E37A47C6992C012D51CA37D4



NEW QUESTION: 46

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

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

Answer: (SHOW ANSWER)

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NEW QUESTION: 47

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

{prefix}.2019-01.com.acme123:00.ffd0cb21.bcb392817521

Which addressing scheme was used in the environment?

- A. Extended Unique Identifier
- B. Fibre Channel ID
- C. Network Address Authority

D. iSCSI Qualified Name

Answer: (SHOW ANSWER)

NEW QUESTION: 48

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: 49

An engineer configured the OSPF protocol in the vPC topology. During the catastrophic failure of one of the vPC the 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 of the vPC member switch reboot. After the failure, the engineer rebooted both switches, but the secondary switch powered on before the primary one. It caused all the vPCs to be shut down due to consistency-check violations.

Which two features must be used to prevent these situations from happening in the future? (Choose two.)

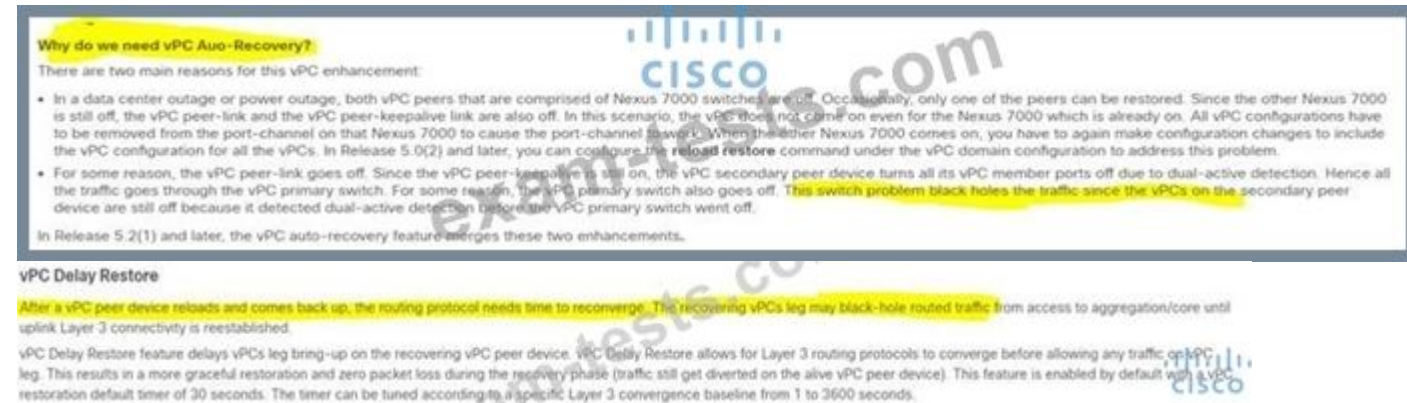
- A. auto-recovery
- B. system priority
- C. delay restore
- D. ip arp synchronize
- E. peer-gateway

Answer: ([SHOW ANSWER](#))

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

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

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



NEW QUESTION: 50

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

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

Answer: ([SHOW ANSWER](#))

Section: Storage Network Design

Explanation

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

NEW QUESTION: 51

A client in a commercial building installs a Cisco blade server in the multitenant Cisco UCS blade infrastructure.

To cut operating costs, the client's data center is shared with other organizations. The client asks an engineer to prevent third parties from accessing their equipment and from accessing BIOS-related information when booting a server.

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

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

E. ASPM support

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

NEW QUESTION: 52

A network architect designs a high-availability architecture for the Cisco UCS Fabric interconnects that 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 L1 and one connection from port L2 to L2 with Ethernet cables
- C. dual connections from port L1 to L2 and one connection from port L2 to L1 with Ethernet cables dual
- D. dual connections from port L1 to L2 and one connection from port L2 to L1 with twinax cables

Answer: ([SHOW ANSWER](#))

Reference:

To use the cluster configuration, the two fabric interconnects must be directly connected together using Ethernet cables between the L1 (L1-to-L1) and L2 (L2-to-L2) high availability ports, with no other fabric interconnects in between. This allows the two fabric interconnects to continuously monitor the status of each other and quickly know when one has failed.

NEW QUESTION: 53

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

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

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

NEW QUESTION: 54

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. server
- B. appliance
- C. uplink
- D. network

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

NEW QUESTION: 55

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

Set the number of queues.

Set the RSS hash value.

Assign each vCon to a physical adapter.

Assign adapter order.

vNIC/vHBA Placement Policy

Ethernet Adapter Policy

Answer:

Set the number of queues.

Set the RSS hash value.

Assign each vCon to a physical adapter.

Assign adapter order.

vNIC/vHBA Placement Policy

Assign each vCon to a physical adapter.

Assign adapter order.

Ethernet Adapter Policy

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Assign adapter order.

vNIC/vHBA Placement Policy

Assign each vCon to a physical adapter.

Assign adapter order.

Ethernet Adapter Policy

Set the number of queues.

Set the RSS hash value.

NEW QUESTION: 56

A confidentiality and integrity and it must be open standard. The solution must encrypt Ethernet frames regardless of the upper layer protocol used. Which technology must be used to support these requirements?

- A. GRE
- B. MACsec

C. IPsec

D. OTV

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

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

NEW QUESTION: 57

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: 58

Which two features are provided by deploying an OOB management network in a Cisco Nexus data center?

(Choose two.)

A. Layer 2 path for a vPC peer link

B. Layer 3 path for monitoring purposes

C. Layer 2 path for server traffic

D. Layer 3 path for vPC keepalive packets

E. Layer 3 path for server traffic

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

NEW QUESTION: 59

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

A. VRRP

B. GLBP

C. FHRP

D. HSRP

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

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

NEW QUESTION: 60

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: 61

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

Set the number of queues.

Set the RSS hash value.

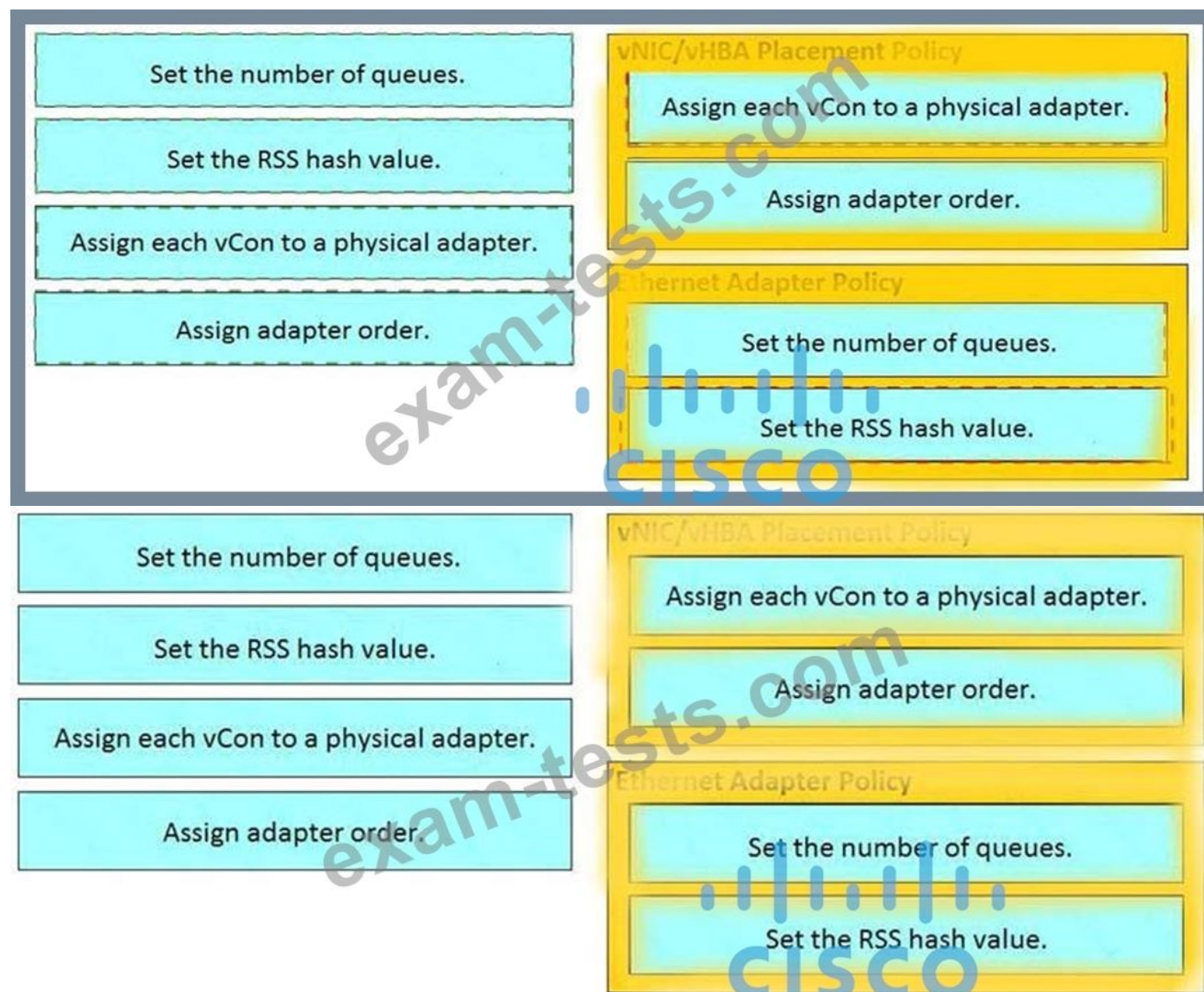
Assign each vCon to a physical adapter.

Assign adapter order.

vNIC/vHBA Placement Policy

Ethernet Adapter Policy

Answer:



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NEW QUESTION: 62

What is the disadvantage of asynchronous storage replication as compared to synchronous storage replication in a disaster recovery design?

- A. reduction in application performance
- B. distance limitations
- C. potential data loss
- D. specific backup requirements

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

NEW QUESTION: 63

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: 64

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

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

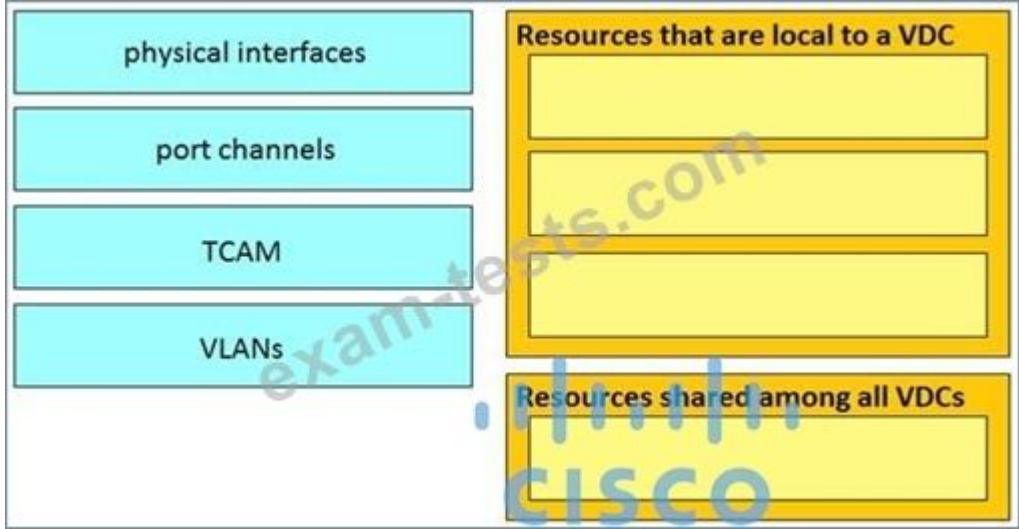
Answer: (SHOW ANSWER)

NEW QUESTION: 65

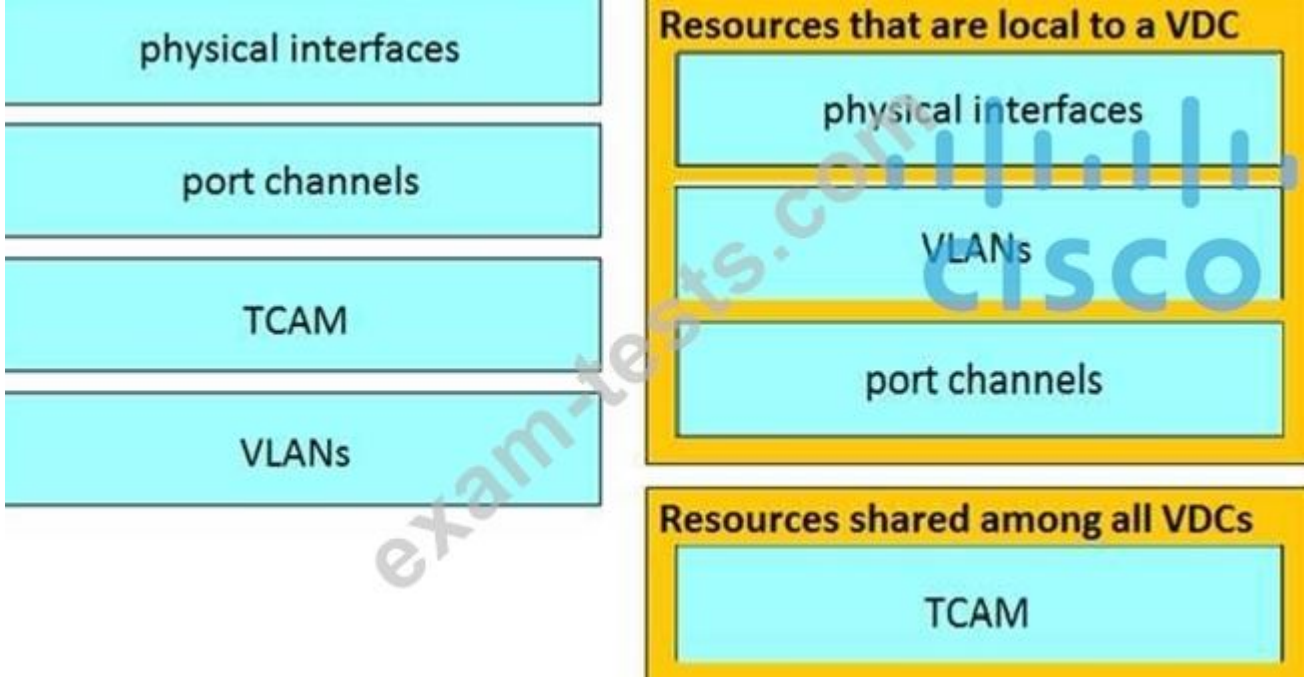
DRAG DROP

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

Select and Place:



Answer:



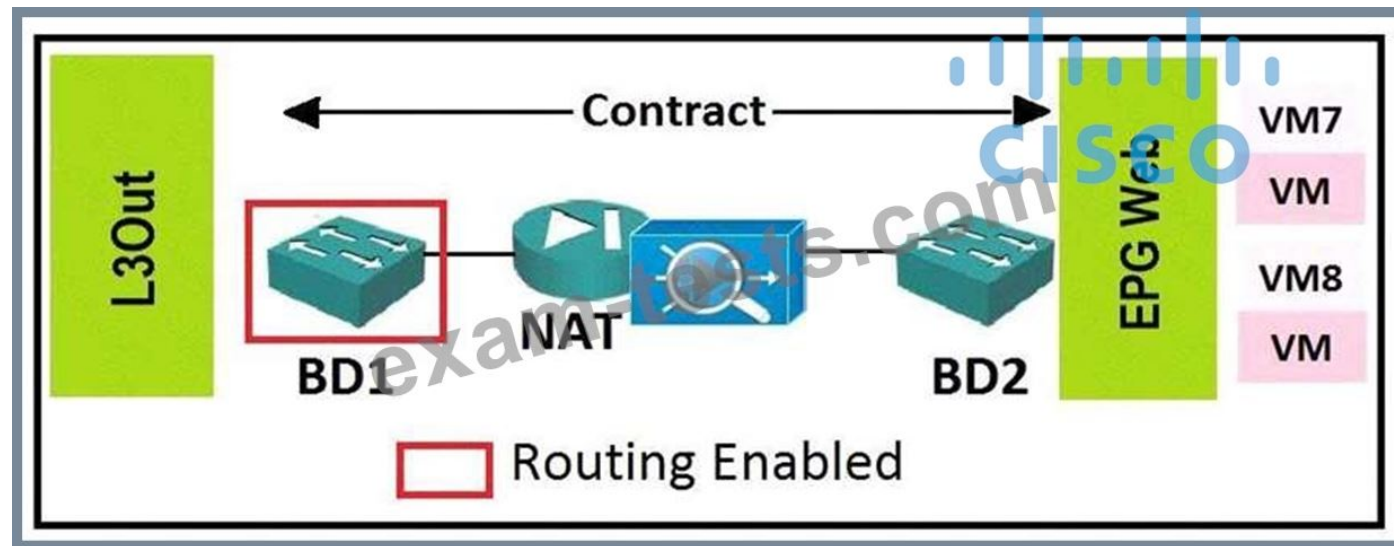
Section: Network Design

Explanation

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

NEW QUESTION: 66

Refer to the exhibit.



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

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

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

NEW QUESTION: 67

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

NEW QUESTION: 68

Which address pool is used when a vHBA template is created?

- A. MAC
- B. WWPN
- C. IP
- D. UUID

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

Section: Automation Design

Explanation

Explanation/Reference: https://www.cisco.com/c/en/us/td/docs/unified_computing/ucs/sw/gui/config/guide/2-1/b_UCSM_GUI_Configuration_Guide_2_1/b_UCSM_GUI_Configuration_Guide_2_1_chapter_011010.html

NEW QUESTION: 69

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: 70

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. 2158 bytes

C. 2000 bytes

D. 9000 bytes

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

NEW QUESTION: 71

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

Set the number of queues.

Set the RSS hash value.

Assign each vCon to a physical adapter.

Assign adapter order.

vNIC/vHBA Placement Policy

Ethernet Adapter Policy

Answer:

Set the number of queues.

Set the RSS hash value.

Assign each vCon to a physical adapter.

Assign adapter order.

vNIC/vHBA Placement Policy

Assign each vCon to a physical adapter.

Assign adapter order.

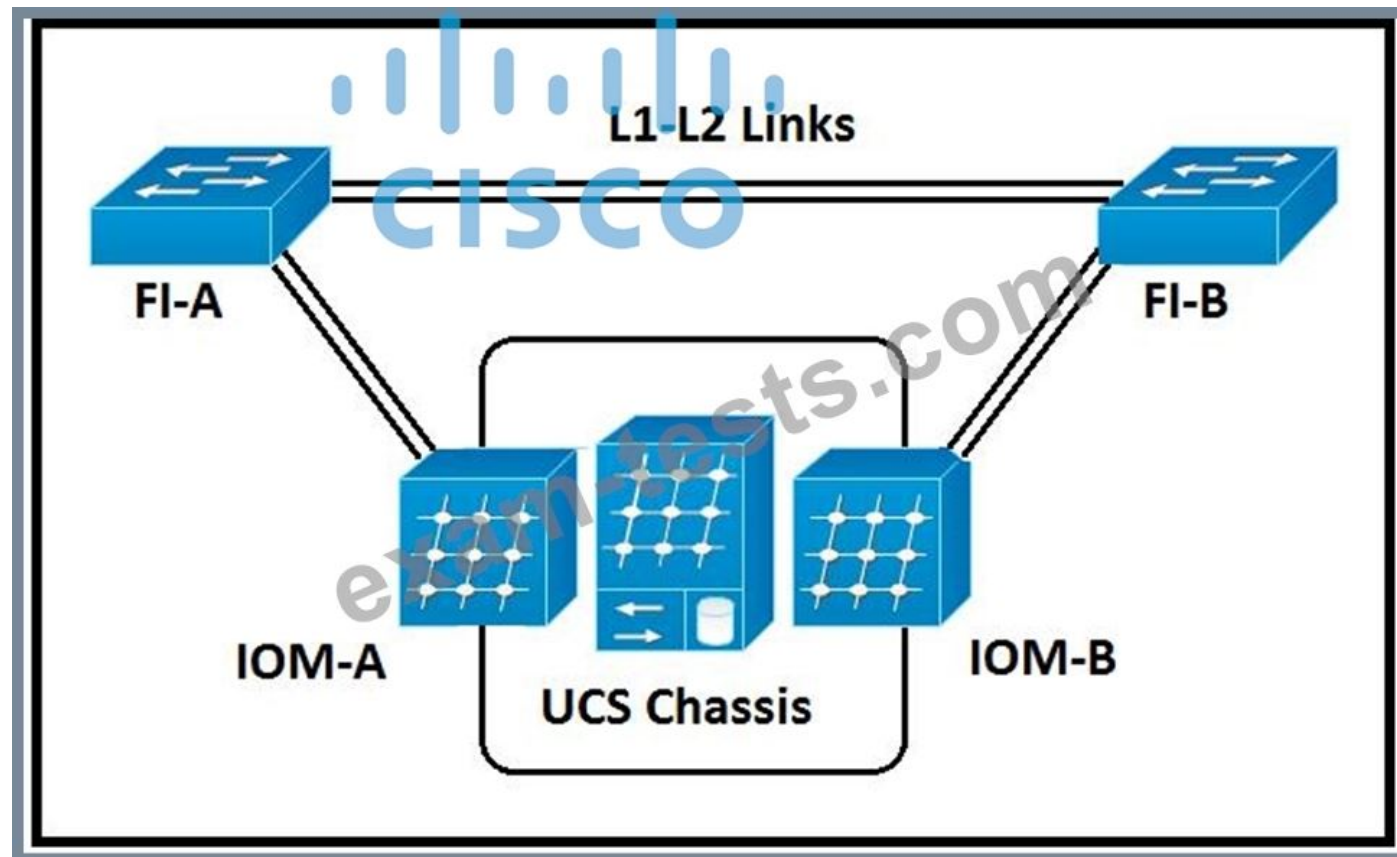
Ethernet Adapter Policy

Set the number of queues.

Set the RSS hash value.

NEW QUESTION: 72

Refer to the exhibit.



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

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

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 73

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

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 74

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

- A. hostname
- B. type
- C. port number

- D. identifying tag
- E. preshared key

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 75

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

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

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

NEW QUESTION: 76

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

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

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

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NEW QUESTION: 77

Which address pool is used when a vHBA template is created?

- A. MAC
- B. WWPN
- C. IP
- D. UUID

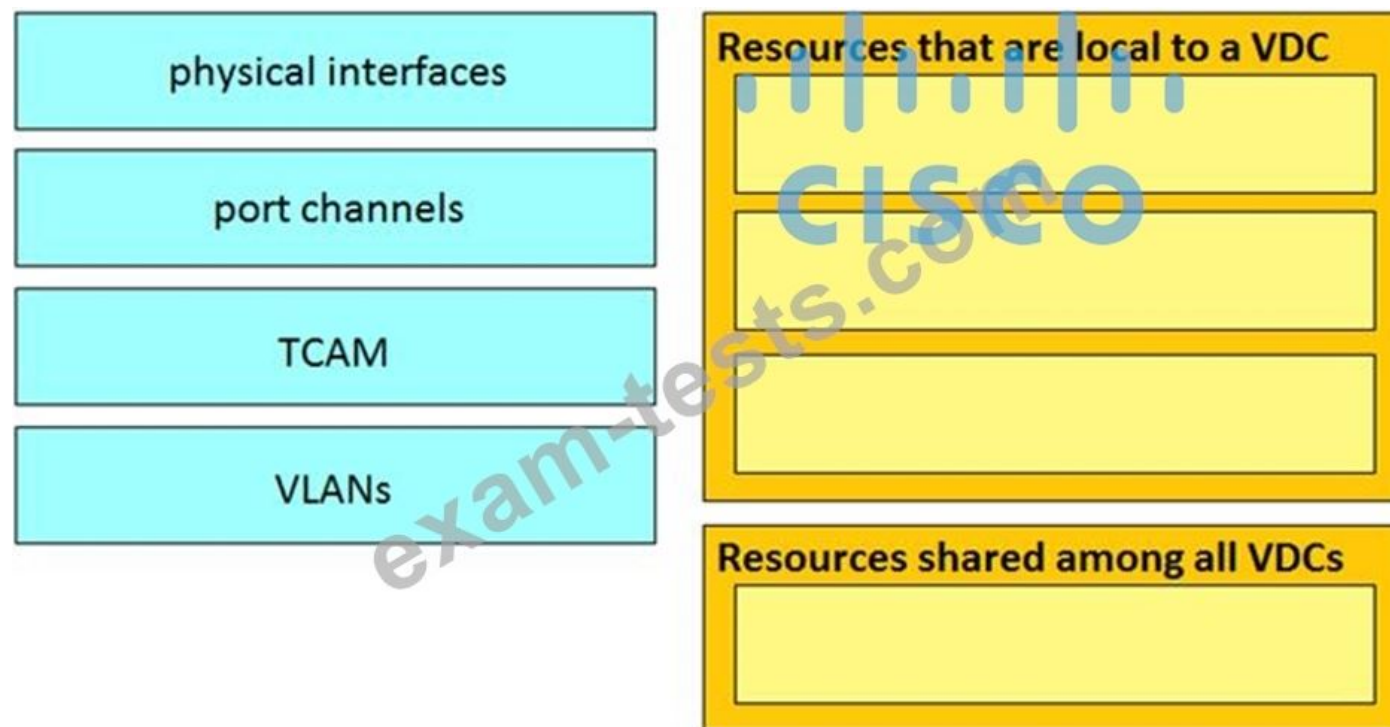
Answer: B ([LEAVE A REPLY](#))

Section: Automation Design

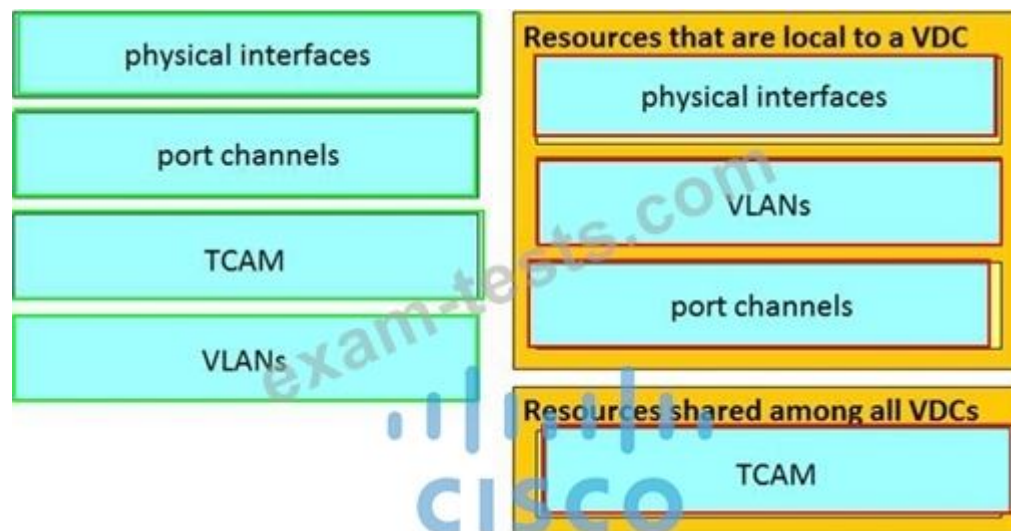
Explanation/Reference: https://www.cisco.com/c/en/us/td/docs/unified_computing/ucs/sw/gui/config/guide/2-1/b_UCSM_GUI_Configuration_Guide_2_1/b_UCSM_GUI_Configuration_Guide_2_1_chapter_011010.html

NEW QUESTION: 78

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



Answer:



NEW QUESTION: 79

A network engineer is implementing Cisco UCS Manager with Cisco UCS Central integration. The company's strict security policies require that the logical profile of virtual network adapters and logical addressing assigned to Cisco UCS servers be managed by the Cisco UCS Manager. The users must also be prevented from being able to acknowledge pending activities in the Cisco UCS Manager.

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

- A. public network control
- B. global maintenance
- C. local power
- D. local service
- E. restricted chassis

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

NEW QUESTION: 80

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: 81

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. cold standby
- D. warm standby

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

NEW QUESTION: 82

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

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

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

Reference:

Pinning

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

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

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

- Guidelines for Pinning

Guidelines for Pinning

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

NEW QUESTION: 83

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

physical interfaces

port channels

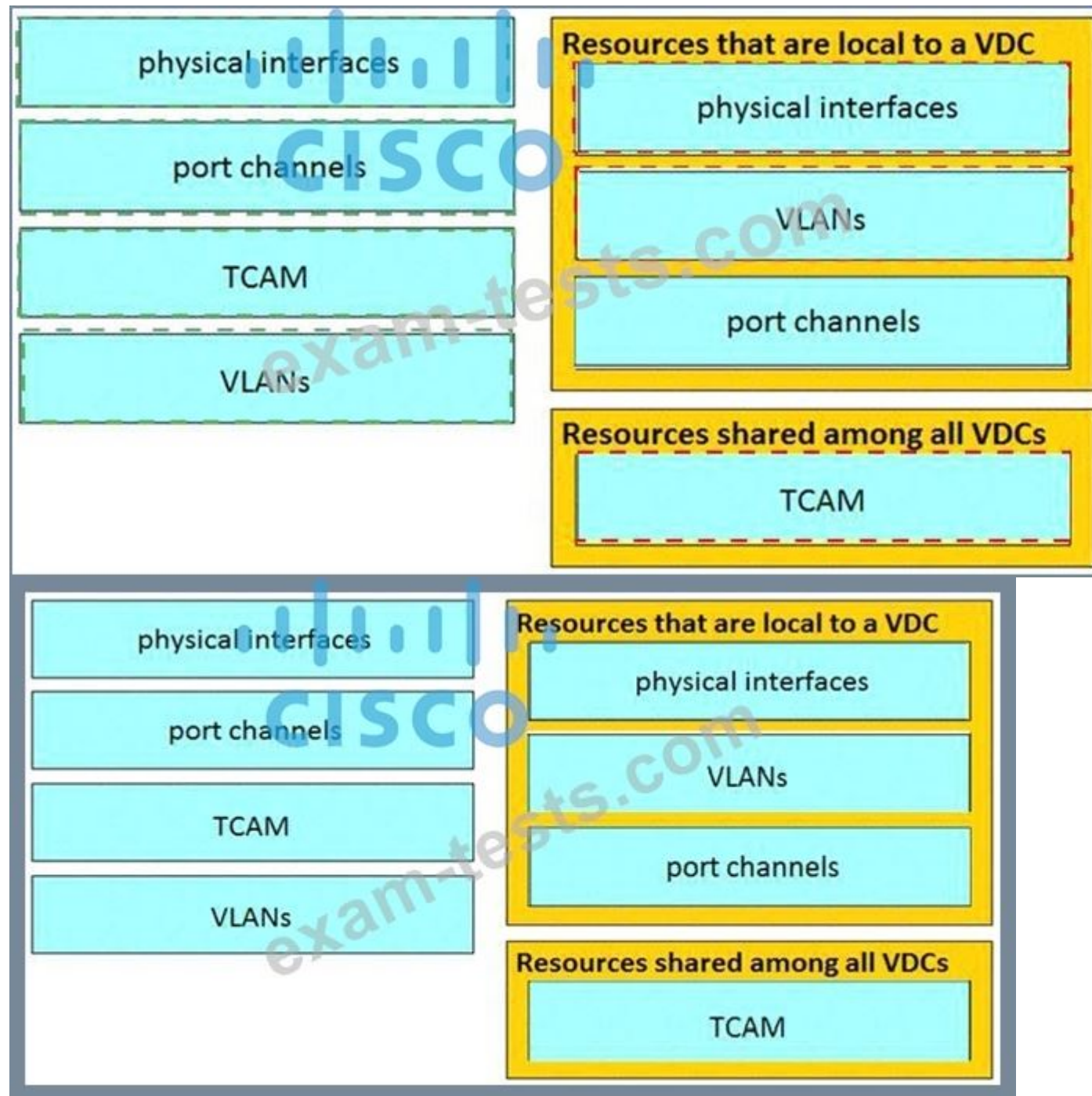
TCAM

VLANs

Resources that are local to a VDC

Resources shared among all VDCs

Answer:



NEW QUESTION: 84

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

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

Answer: A,B (LEAVE A REPLY)

Section: Automation Design

Explanation/Reference: https://www.cisco.com/c/dam/en/us/products/collateral/servers-unified-computing/ucs-c-series-rack-servers/whitepaper_c11-740103.pdf

NEW QUESTION: 85

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

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

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

NEW QUESTION: 86

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: 87

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: 88

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

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

NEW QUESTION: 89

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

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

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

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

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: 90

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

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

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

NEW QUESTION: 91

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

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

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

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NEW QUESTION: 92

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.

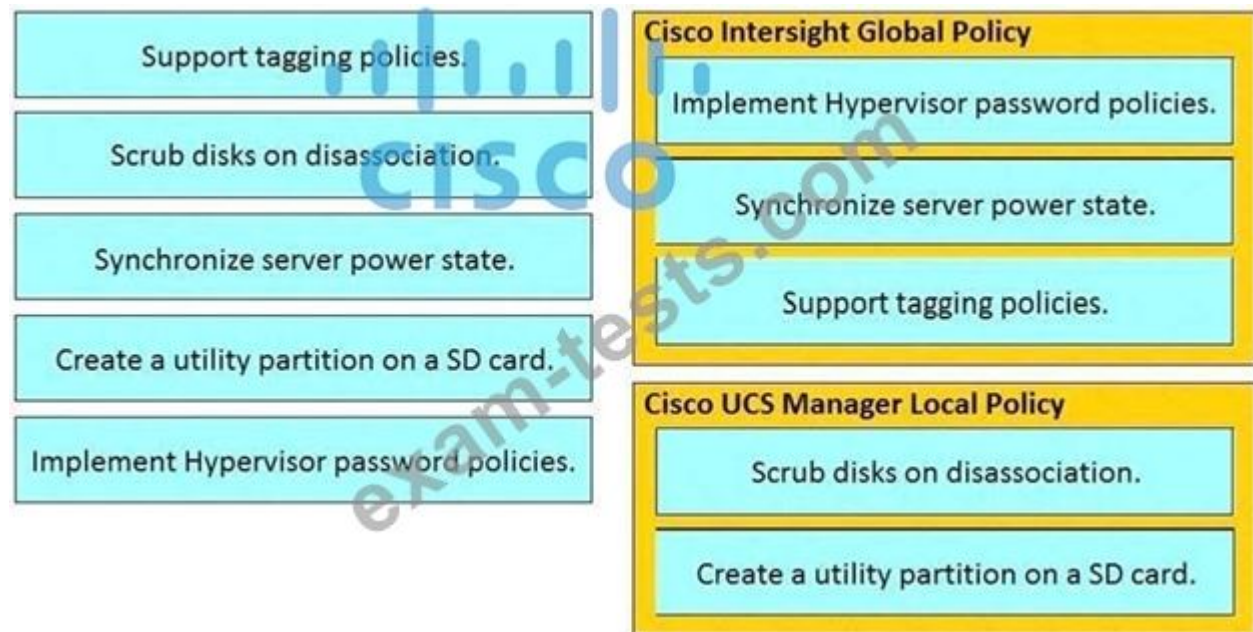
Synchronize server power state.

Support tagging policies.

Cisco UCS Manager Local Policy

Scrub disks on disassociation.

Create a utility partition on a SD card.



NEW QUESTION: 93

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

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 94

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. Erase the configuration of both fabric interconnects.
- D. Unplug the Layer 1 and Layer 2 interfaces between the devices.

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

Section: Compute Design

NEW QUESTION: 95

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: 96

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

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

NEW QUESTION: 97

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

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

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

NEW QUESTION: 98

A network design must include a solution to run CLI commands remotely on Cisco Nexus 9000 Series Switches. The customer's security policy requires secure login credentials and an encrypted underlying transport. The command output will be processed rising tools that support XML or JSON encoding.

Which two components should be included in the design? (Choose two.)

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

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

Reference:

Programmability_Configuration_Guide_chapter_0101.html

NEW QUESTION: 99

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

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

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

NEW QUESTION: 100

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

Answer: D (LEAVE A REPLY)

NEW QUESTION: 101

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

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

Answer: A,B (LEAVE A REPLY)

Section: Automation Design

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

NEW QUESTION: 102

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.

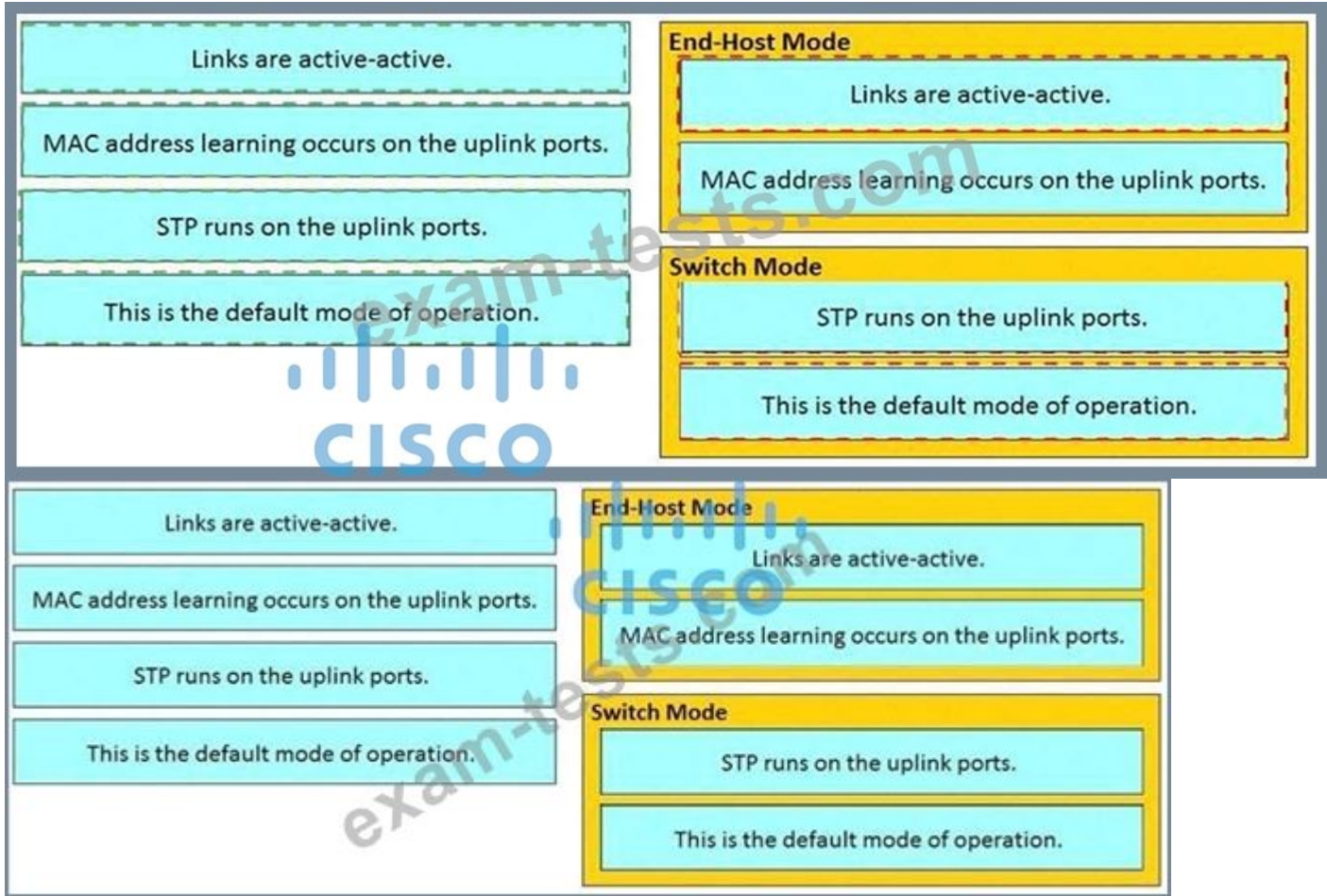
STP runs on the uplink ports.

This is the default mode of operation.

End-Host Mode

Switch Mode

Answer:



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