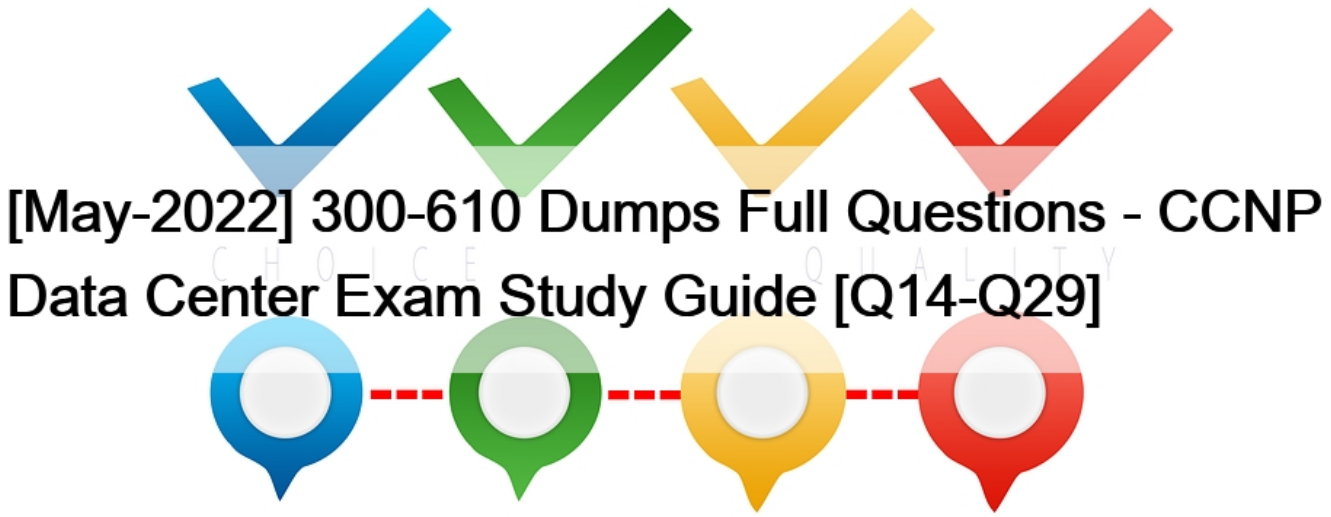
[May-2022 300-610 Dumps Full Questions - CCNP Data Center Exam Study Guide [Q14-Q29

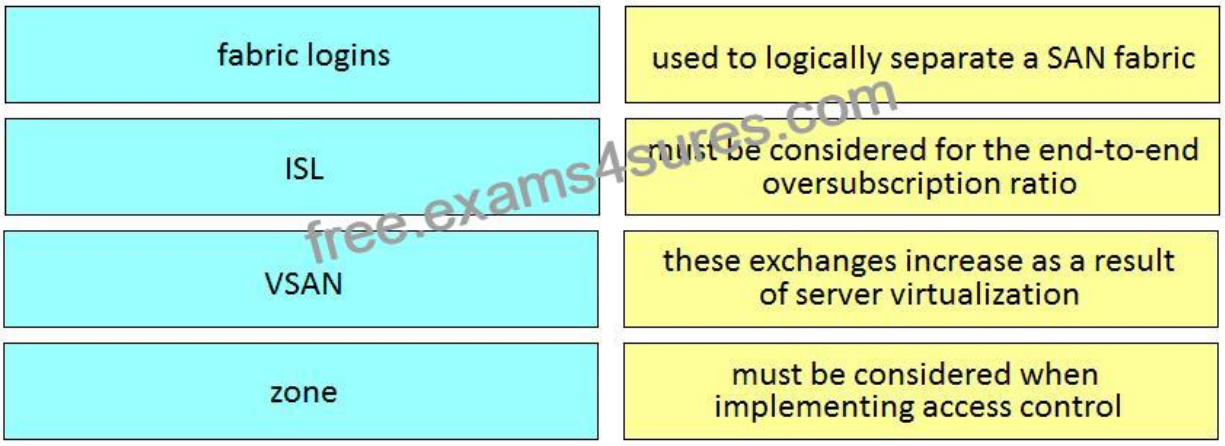


[May-2022] 300-610 Dumps Full Questions - CCNP Data Center Exam Study Guide
Exam Questions and Answers for 300-610 Study Guide

2. Compute Design **Weightage allotted ? 25%**This is the second most considered area one has to master. The candidates will have a fair chance to learn about available options for Ethernet connectivity, storage connectivity, and network device virtualization in a data center. Common types of interfaces, vCon placement policies, Ethernet adaptor policies, and Fibre Channel adapter policies are also covered diligently in this domain. Before it ends, never forget to give a quick overview of key evaluation options required for hyper-converged infrastructure. Finally, the topics like a cluster mode, desktop virtualization, and HX use for the virtual server are discussed.

NEW QUESTION 14

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



NEW QUESTION 15

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

* eight twinax cables from each I/O module to each fabric interconnect
* four twinax cables from each I/O module to each fabric Interconnect
* Cisco UCS VIC 1225
* Cisco UCS M81KR
* Cisco UCS VIC 1280

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

NEW QUESTION 16

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?

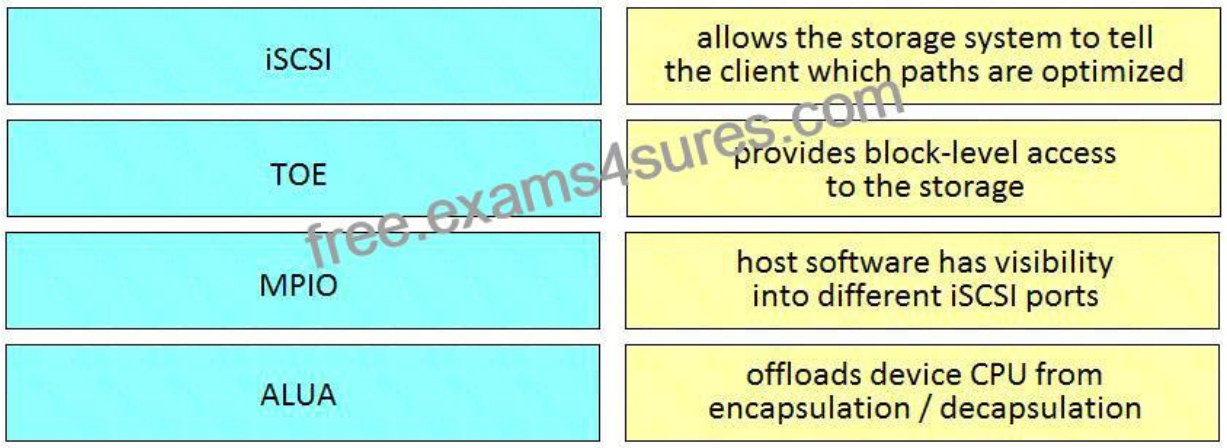
* Ethernet adapter
* vNIC placement
* LAN connectivity
* Dynamic vNIC connection

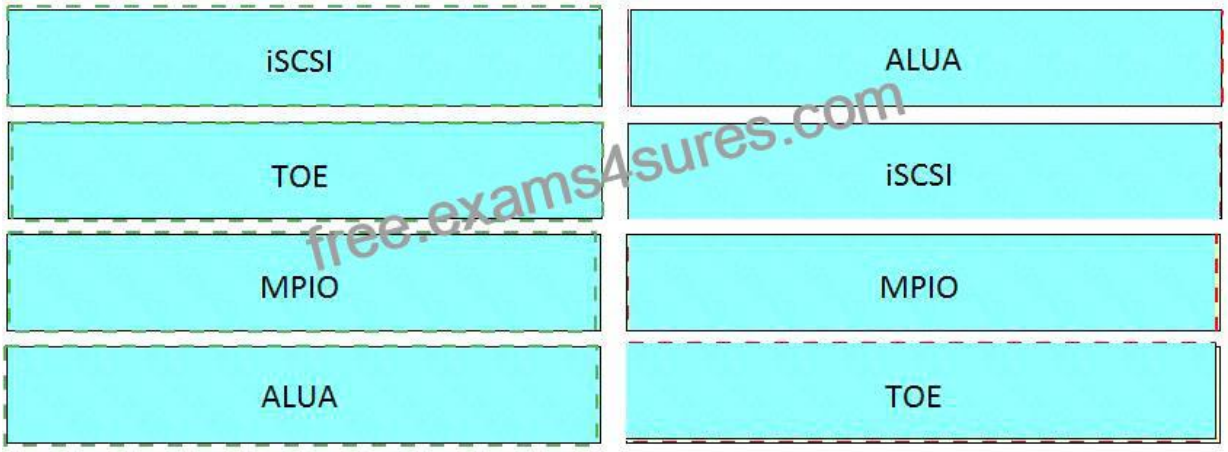
Reference:

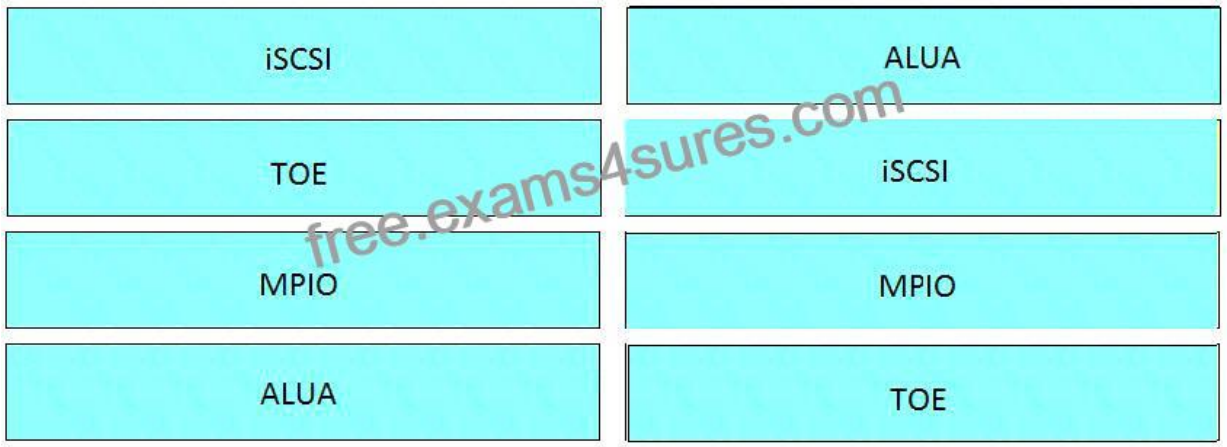
Ethernet adapter policy is the only policy that is having configuration that is related to CPU.

NEW QUESTION 17

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







NEW QUESTION 18

Which two methods mitigate congestion in a SAN network? (Choose two.)
* Configure ER_RDY to allow splitting of each ISL between switches into separate virtual links.
* Use the port-monitor command to detect slow drain devices.
* Configure the port channel to enable individual buffer-to-buffer credits.
* Configure the port monitor to allow categorization of a specific device as slow.
* Configure the flow control for the FC to use R_RDY.

Reference:

cisco_mds9000_interfaces_config_guide_8x/congestion_avoidance_isolation.html

NEW QUESTION 19

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

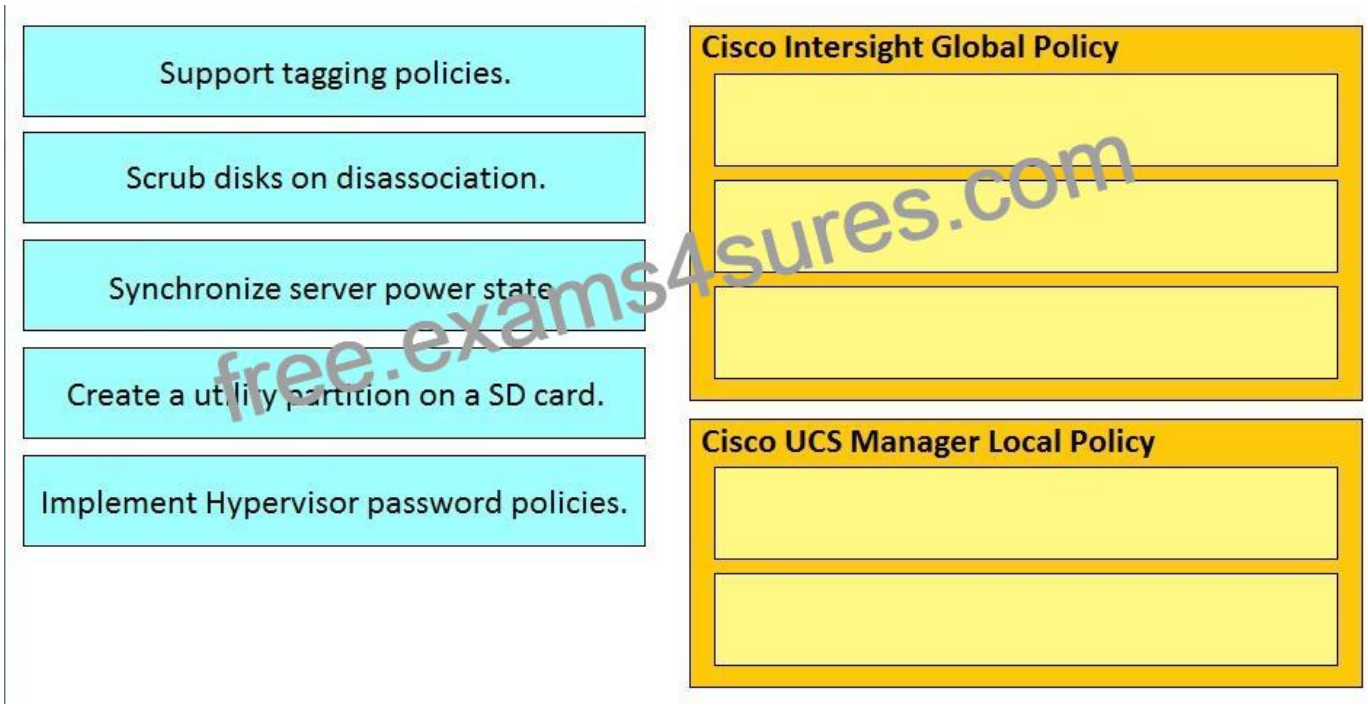
All traffic must pass over the upstream device for switching and domain IDs must be preserved in the fabric.

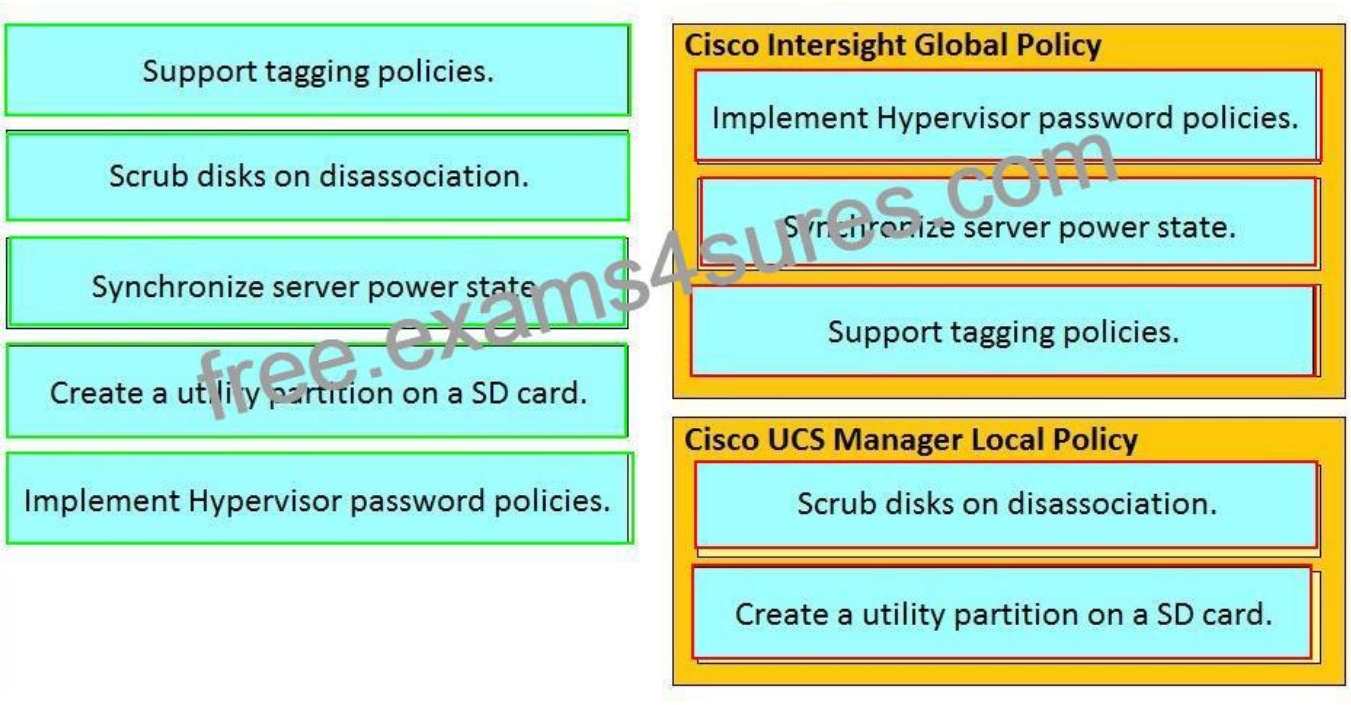
Each server should be pinned to one designated upstream interface and for the traffic to pass through the pinned port.

Which Fabric Interconnect SAN operational mode meets these requirements?
* end host
* switch
* NPIV
* Fibre Channel

NEW QUESTION 20

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





NEW QUESTION 21

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

* Phython
* Bash
* YAML
* Perl

Python is object-oriented and imperative language.

YAML is declarative.

NEW QUESTION 22

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.)

* UCS B200
* Gigabit Ethernet Switch
* Fabric Interconnect 6300

* HX240c
* HX220c

NEW QUESTION 23

An engineer must design a VXLAN EVPN network. The solution should optimize broadcast, unknown unicast, and multicast (BUM) and short BUM replication, and use PIM anycast RP.

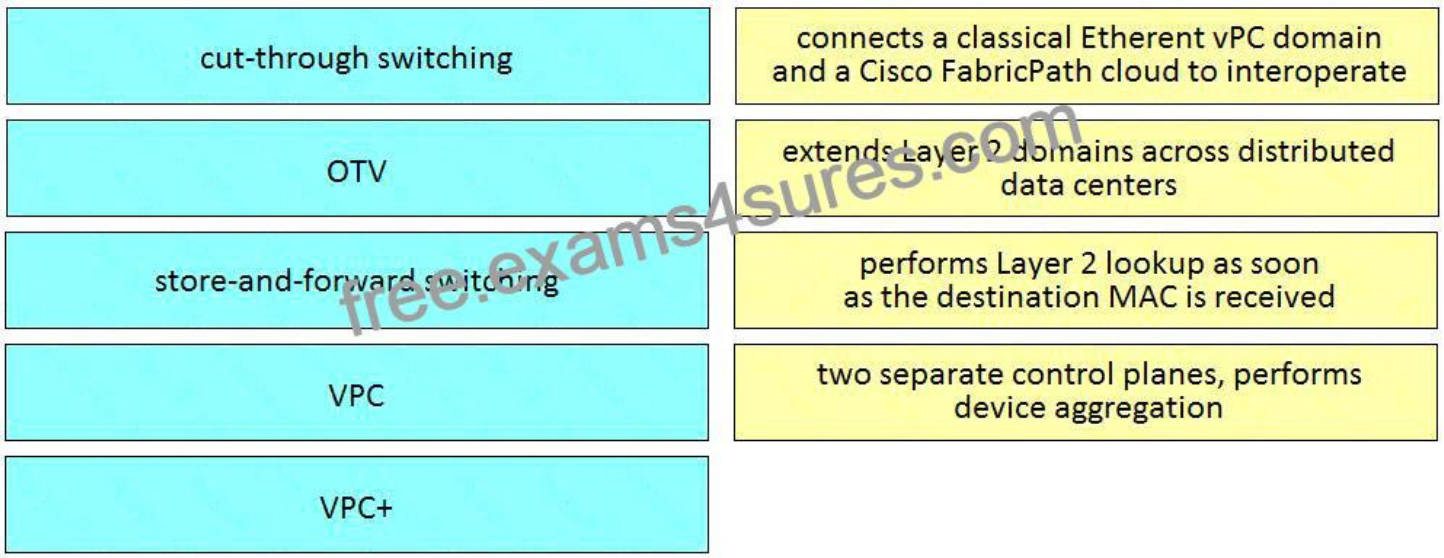
Which solution should be included in the design?
* head-end replication
* PIM sparse mode
* PIM dense mode
* ingress replication

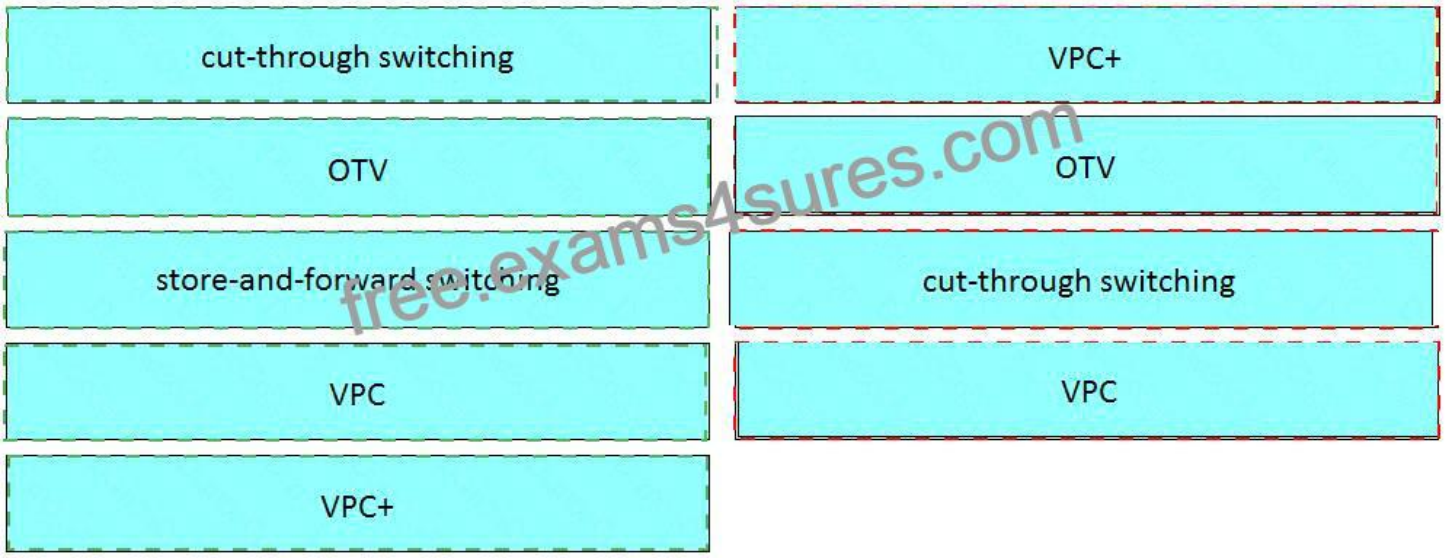
NEW QUESTION 24

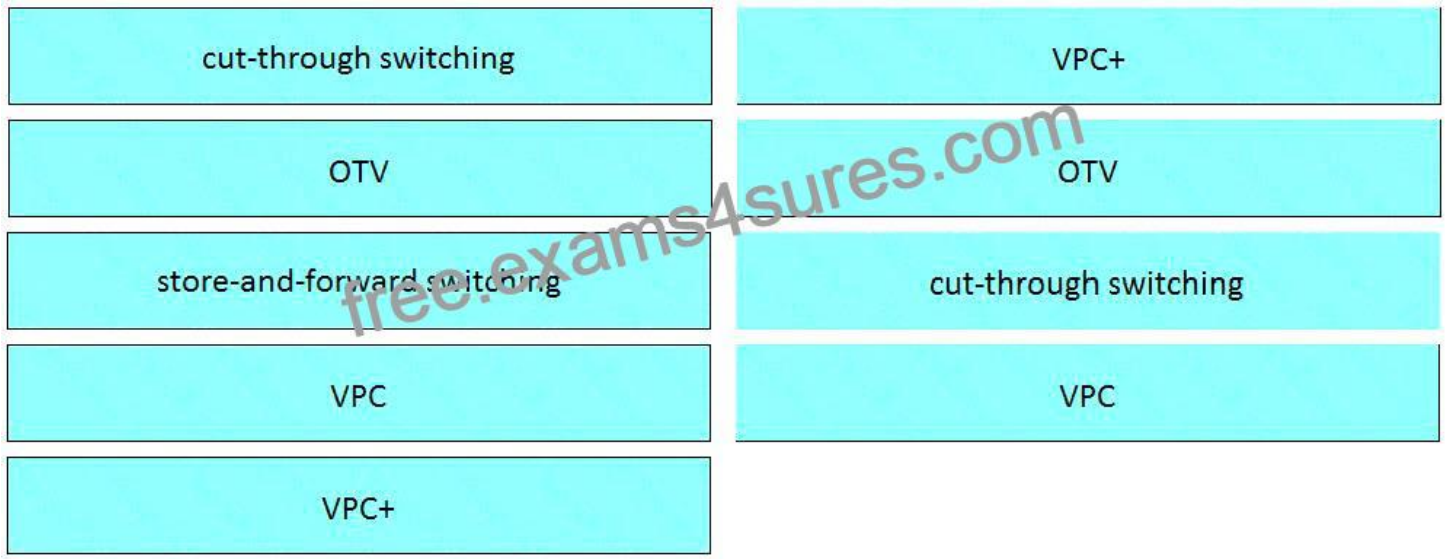
An engineer requires a solution that achieves Ethernet traffic forwarding on all available paths from the hosts to the Cisco Nexus Fabric Extender and from the Fabric Extenders to the Cisco Nexus 5000 Series Switches. The NIC teaming from the Fabric Extender to a server should use an LACP EtherChannel. Which solution should be implemented to meet these requirements?
* Virtual Port Channel
* Enhanced Virtual Port Channel
* Virtual Port Channel Plus (vPC+)
* Back-to-Back Virtual Port Channel

NEW QUESTION 25

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







NEW QUESTION 26

A network consultant must design a high availability interconnection of a clustered Cisco UCS Fabric Interconnect toward two upstream Layer 2 switches.

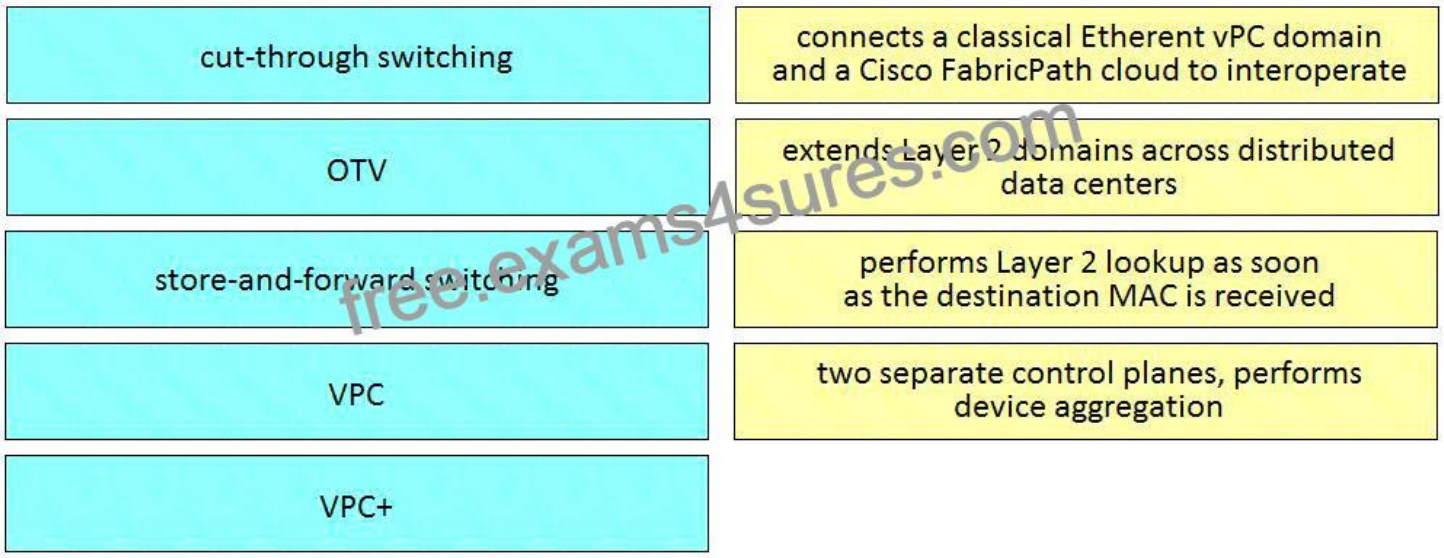
The Ethernet interconnection must use all redundant links and have no impact on the STP domain size.

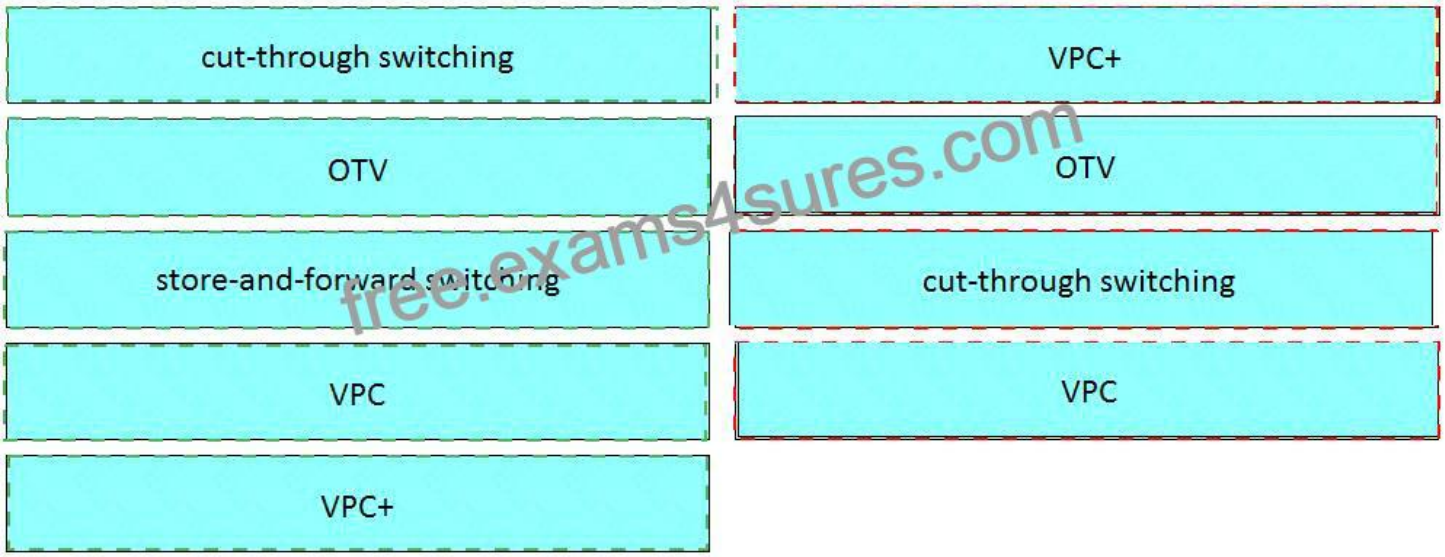
Which connectivity solution must be used?
* Cisco UCS Fabric Interconnect in switch mode with dual uplinks distributed evenly to the upstream switches
* Cisco UCS Fabric Interconnect in switch mode with a single uplink toward each upstream switch to eliminate any change to the STP domain size
* Cisco UCS Fabric Interconnect in end host mode with a single uplink toward each upstream switch to eliminate any change to the STP domain size

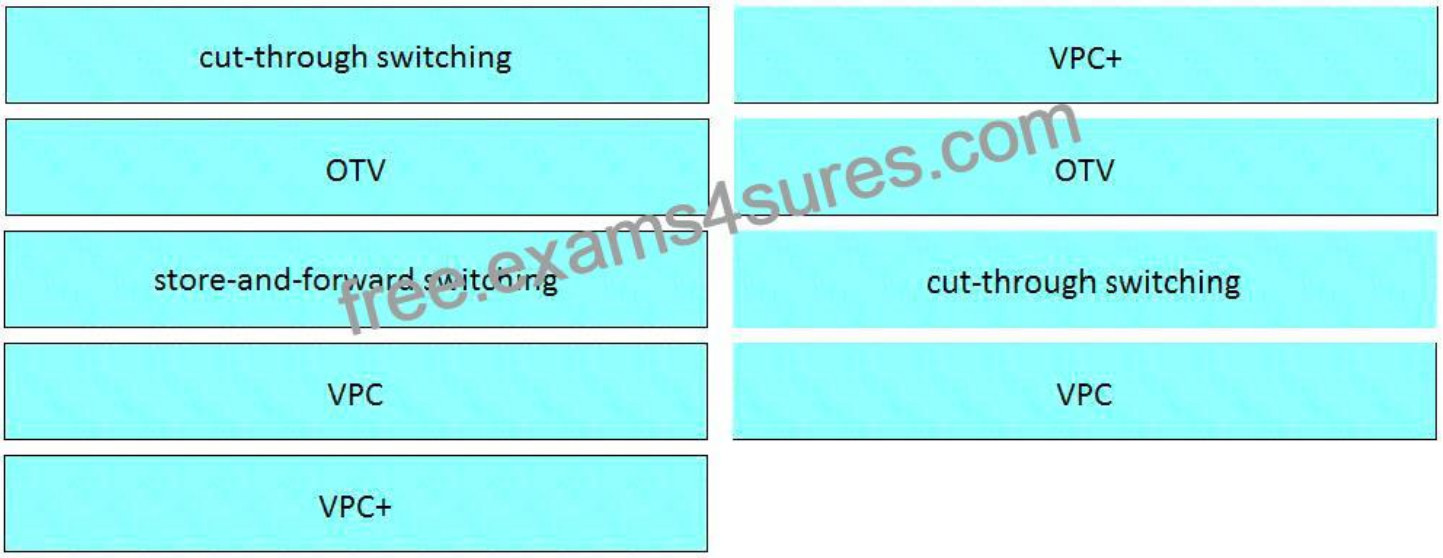
* Cisco UCS Fabric Interconnect in end host mode with dual uplinks distributed evenly to the upstream switches

NEW QUESTION 27

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







NEW QUESTION 28

A company has several data centers around the world that must be interconnected over Layer2. The service provider supports MPLS services to all the locations. The proposed solution must be vendor agnostic and scalable enough to support the rapid growth of the company. Which data center technology is recommended to achieve this goal?
* OTV
* VXLANEVPN
* FabricPath
* EoMPLS

NEW QUESTION 29

An engineer manages hundreds of Cisco Nexus 3000 Series and 9000 Series Switches that are installed at several data centers and wants to use one of the built-in automation tools of the Cisco NX-OS Guest Shell to automate daily activities. The engineer requires a tool that uses imperative language, has extensive library support, and is object-oriented.

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