



Free Questions for 300-610
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Question 1

Question Type: MultipleChoice

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?

Options:

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

Answer:

A

Question 2

Question Type: MultipleChoice

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

Options:

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

Answer:

A

Question 3

Question Type: MultipleChoice

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

Options:

- A- linear ordered
- B- network mesh
- C- cross match
- D- round robin

Answer:

D

Question 4

Question Type: MultipleChoice

A network engineer must select a high availability feature for their data center. The solution must ensure network resilience, reduce network instability for Layer 3 routing protocols, and meet these requirements:

The device must notify its neighbors when the control plane is undergoing a restart.

The solution must suppress routing flaps in case of stateful switchovers.

Which solution must be implemented?

Options:

- A- BFD

- B- HSRP
- C- NSF
- D- ISSU

Answer:

C

Question 5

Question Type: MultipleChoice

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

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

Which solution meets these requirements?

Options:

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

Answer:

D

Question 6

Question Type: MultipleChoice

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?

Options:

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

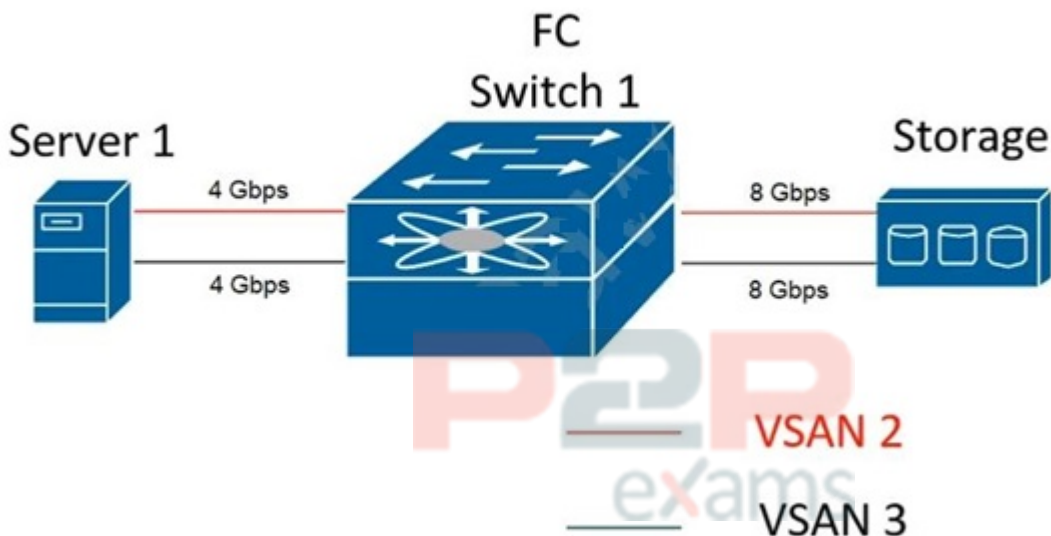
Answer:

A

Question 7

Question Type: MultipleChoice

Refer to the exhibit.



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

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

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

Which action must be taken to meet these requirements?

Options:

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

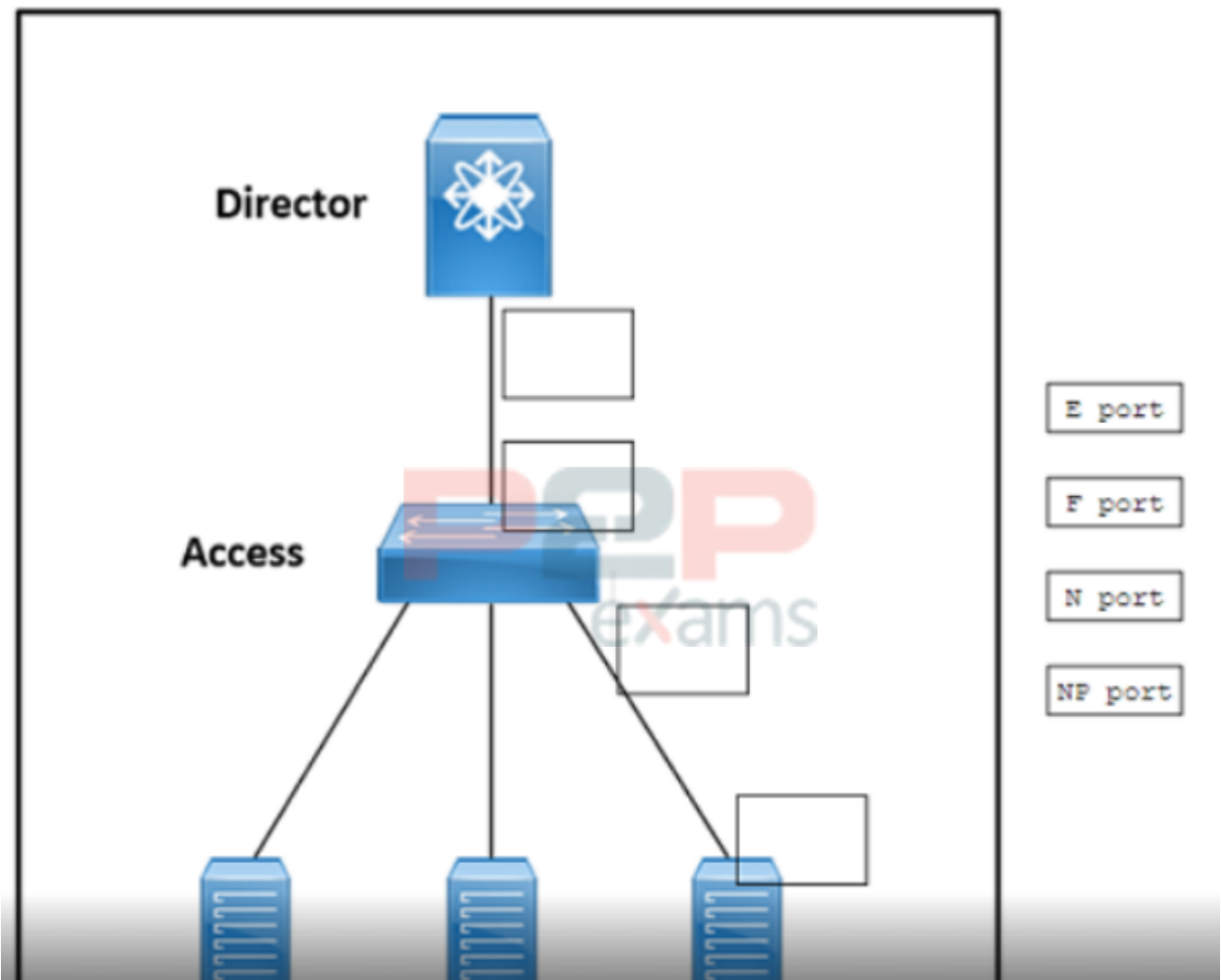
Answer:

D

Question 8

Question Type: DragDrop

Refer to the exhibit.



An engineer must deploy a SAN that meets these criteria:

- * The upstream director switch must be configured to minimize the number of issued domain IDs

* The access switch must aggregate multiple locally connected ports not a single uplink that shares the same domain ID as the upstream switch.

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

Answer:

See the Answer in the Premium Version!

Question 9

Question Type: MultipleChoice

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?

Options:

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

Answer:

B

Question 10

Question Type: MultipleChoice

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?

Options:

- 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

Explanation:

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.

Question 11

Question Type: MultipleChoice

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?

Options:

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

Answer:

A

Question 12

Question Type: MultipleChoice

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

Options:

A- VXLAN

B- OTV

C- VPLS

D- LISP

Answer:

A



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