

300-610 Dumps

Designing Cisco Data Center Infrastructure (DCID)

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NEW QUESTION 1

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

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Cisco UCS Manager Local Policy

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- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

- 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 2

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

NEW QUESTION 3

Which feature provides a sandbox to convert NX-OS CLI commands to REST-based scripts on Cisco Nexus 7700 Series Switches?

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

Answer: A

NEW QUESTION 4

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

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

Answer: AC

NEW QUESTION 5

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: B

NEW QUESTION 6

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: CE

NEW QUESTION 7

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

NEW QUESTION 8

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

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

iSCSI	ALUA
TOE	iSCSI
MPIO	MPIO
ALUA	TOE

NEW QUESTION 9

Which element is the main functional component of the architecture that separates the internal fabric and the external network that connects sites when VXLAN EVPN is deployed multisite?

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

Answer: C

NEW QUESTION 10

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

Explanation:

Section: Storage Network Design

NEW QUESTION 10

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 <div style="border: 1px solid black; height: 20px; width: 100%; margin-bottom: 5px;"></div> <div style="border: 1px solid black; height: 20px; width: 100%; margin-bottom: 5px;"></div> <div style="border: 1px solid black; height: 20px; width: 100%;"></div>
port channels	
TCAM	
VLANs	
	Resources shared among all VDCs <div style="border: 1px solid black; height: 20px; width: 100%;"></div>

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

physical interfaces	Resources that are local to a VDC <div style="border: 1px dashed red; border-bottom: none; padding: 5px;">physical interfaces</div> <div style="border: 1px dashed red; border-bottom: none; padding: 5px;">VLANs</div> <div style="border: 1px dashed red; border-bottom: none; padding: 5px;">port channels</div>
port channels	
TCAM	
VLANs	
	Resources shared among all VDCs <div style="border: 1px dashed red; border-bottom: none; padding: 5px;">TCAM</div>

NEW QUESTION 14

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

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

- 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 19

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

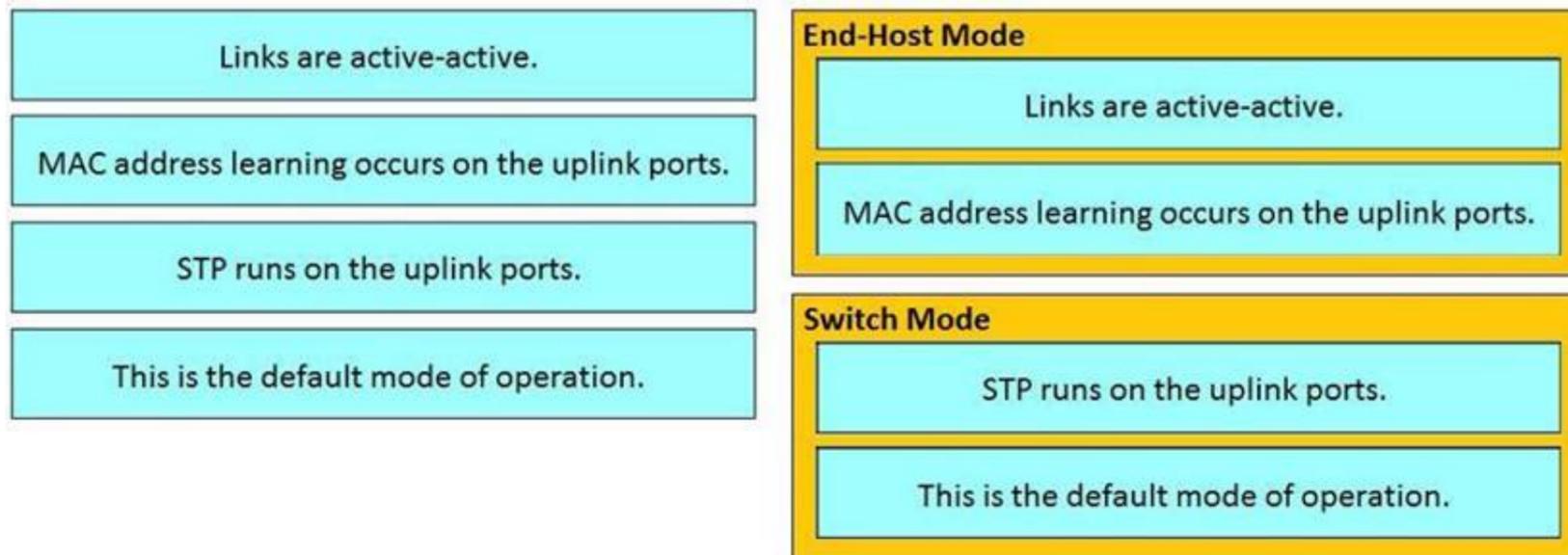
Switch Mode

- A. Mastered

B. Not Mastered

Answer: A

Explanation:



NEW QUESTION 23

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

NEW QUESTION 24

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

NEW QUESTION 25

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

NEW QUESTION 30

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: AC

NEW QUESTION 33

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

NEW QUESTION 35

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

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

Answer: CD

NEW QUESTION 39

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

Uses STP if UDLD information times out.	<p>Normal Mode</p> <div style="border: 1px solid black; height: 40px; margin-bottom: 5px;"></div> <div style="border: 1px solid black; height: 40px; margin-bottom: 5px;"></div>
Detects when a port is stuck.	
Disables a port that has a high error rate.	
Allows a port that has a high error rate.	
	<p>Aggressive Mode</p> <div style="border: 1px solid black; height: 40px; margin-bottom: 5px;"></div> <div style="border: 1px solid black; height: 40px; margin-bottom: 5px;"></div>

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Uses STP if UDLD information times out.	<p>Normal Mode</p> <div style="border: 1px solid black; padding: 5px; margin-bottom: 5px;">Uses STP if UDLD information times out.</div> <div style="border: 1px solid black; padding: 5px; margin-bottom: 5px;">Allows a port that has a high error rate.</div>
Detects when a port is stuck.	
Disables a port that has a high error rate.	<p>Aggressive Mode</p> <div style="border: 1px solid black; padding: 5px; margin-bottom: 5px;">Detects when a port is stuck.</div> <div style="border: 1px solid black; padding: 5px; margin-bottom: 5px;">Disables a port that has a high error rate.</div>
Allows a port that has a high error rate.	

NEW QUESTION 40

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

NEW QUESTION 44

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

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

Answer: A

NEW QUESTION 45

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

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

Answer: C

NEW QUESTION 49

Which multicast rendezvous point redundancy mode is valid for Bidirectional PIM?

- A. Embedded RP
- B. Phantom RP
- C. MSDP
- D. PIM anycast RP

Answer: D

NEW QUESTION 52

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

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

Answer: C

NEW QUESTION 57

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: AE

NEW QUESTION 59

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

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

Answer: C

NEW QUESTION 64

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: AD

NEW QUESTION 69

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

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

Answer: B

NEW QUESTION 73

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