

Exam Questions 300-610

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

Cisco UCS Manager Local Policy

- 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.

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Cisco Intersight Global Policy

Implement Hypervisor password policies.

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Cisco UCS Manager Local Policy

Scrub disks on disassociation.

Create a utility partition on a SD card.

NEW QUESTION 2

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: C

NEW QUESTION 3

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 4

Where does Cisco UCS handle Fibre Channel traffic failover?

- A. on a Cisco UCS Fabric Interconnect ASIC in Fibre Channel switching mode
- B. on the host, by using multipathing software
- C. in the hardware on the Cisco UCS VIC 12xx adapter or later
- D. in the hardware on any Cisco UCS VIC adapter

Answer: B

NEW QUESTION 5

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 6

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 7

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

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

Answer: A

NEW QUESTION 8

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

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

Answer: AC

NEW QUESTION 9

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 10

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 10

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 14

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

NEW QUESTION 16

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

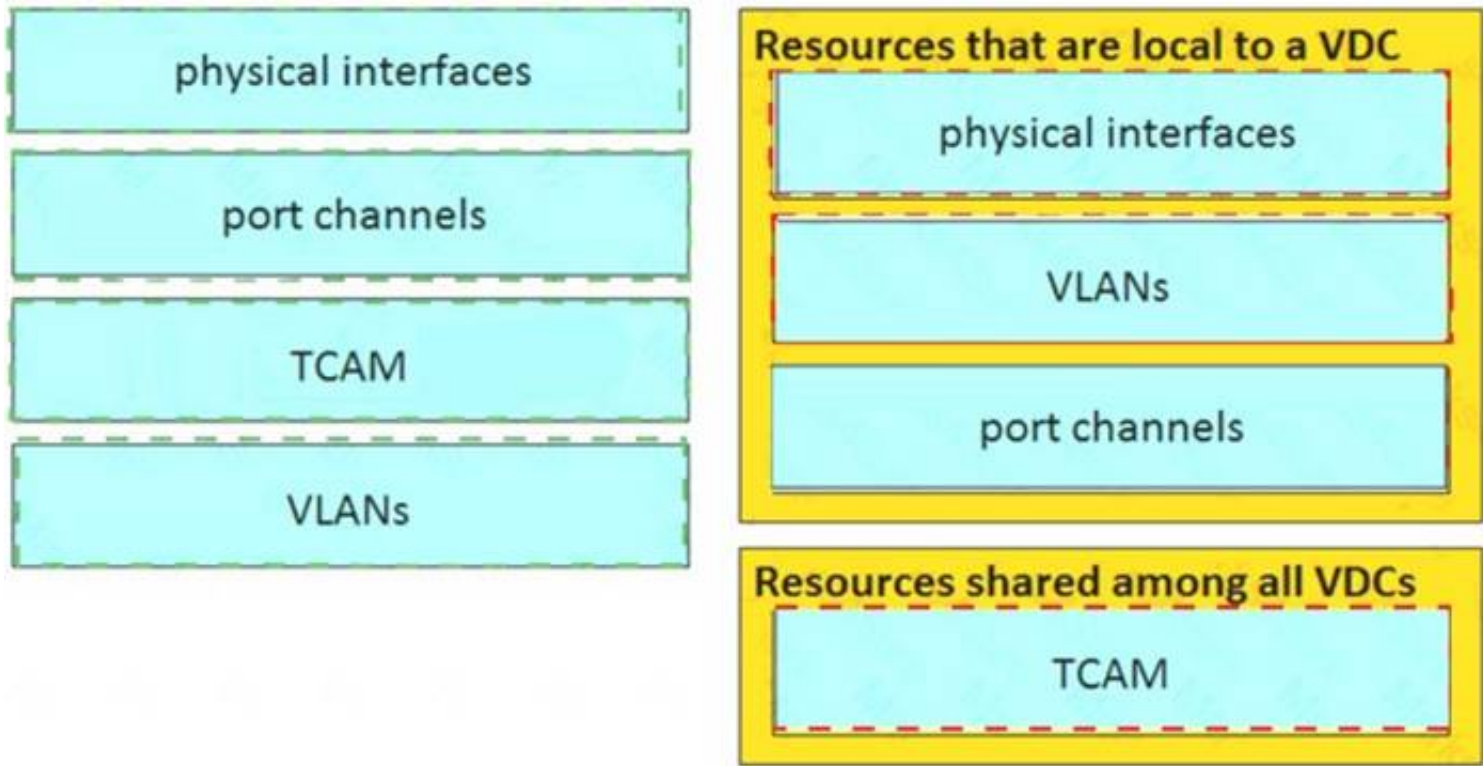
Resources that are local to a VDC

Resources shared among all VDCs

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:



NEW QUESTION 20

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+	

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

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

NEW QUESTION 23

What are two reasons to select OTV as the DCI solution to connect multisite topologies? (Choose two.)

- A. It propagates hosts reachability without support of traffic flooding.
- B. Layer 3 failures do not propagate beyond the OTV edge device.
- C. It extends the spanning tree between data centers.
- D. It is an open standard.
- E. It constrains HSRP hello messages to each data center.

Answer: BC

NEW QUESTION 24

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

NEW QUESTION 27

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 32

What are two characteristics of VRF-Lite on the Cisco NX-OS platform? (Choose two.)

- A. Layer 3 interfaces can belong to multiple VRFs.
- B. VRF-Lite interfaces can be Layer 2.
- C. Overlapping IP addresses are permitted on different VRFs.
- D. Interfaces that belong to VRFs can be physical or logical.
- E. VRF-Lite interfaces support MPLS.

Answer: CD

NEW QUESTION 33

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

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

Answer: B

NEW QUESTION 35

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 36

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 39

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: AB

NEW QUESTION 44

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

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

Answer: D

NEW QUESTION 49

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 54

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 56

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 59

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 61

What is a design consideration when implementing FSPF?

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

Answer: A

NEW QUESTION 64

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 65

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 66

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