

➤ **Vendor: Cisco**

➤ **Exam Code: 300-610**

➤ **Exam Name: Designing Cisco Data Center Infrastructure (DCID)**

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QUESTION 12

Which protocol is best suited for connecting two data centers together?

- A. LISP
- B. OTV
- C. FabricPath
- D. vPC

Answer: B

QUESTION 13

Which statement accurately describes a disjoint Layer 2 network topology in Cisco UCS infrastructure?

- A. A vNIC can communicate with only one Layer 2 domain.
- B. A VLAN can overlap across Layer 2 domains.
- C. A Cisco UCS Fabric Interconnect must be configured in switching mode.
- D. Servers can use any virtual interface card.

Answer: A

QUESTION 14

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

Explanation:

<https://community.cisco.com/t5/data-center-documents/understanding-overlay-transport-virtualization-otv/tap/3151502#toc-hld-1043251551>

QUESTION 15

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

Explanation:

https://www.cisco.com/c/en/us/products/collateral/ios-nx-os-software/ip-multicast/whitepaper_c11-508498.html

QUESTION 16

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

Explanation:

https://www.cisco.com/c/en/us/td/docs/switches/datacenter/sw/nx-os/lisp/configuration/guide/b_NX-OS_LISP_Configuration_Guide/b_NX-OS_LISP_Configuration_Guide_chapter_010.html

QUESTION 17

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

Explanation:

https://www.cisco.com/c/dam/en/us/td/docs/switches/datacenter/sw/design/vpc_design/vpc_best_practices_design_guide.pdf

QUESTION 18

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

Explanation:

https://www.cisco.com/c/en/us/td/docs/switches/datacenter/mds9000/sw/5_0/configuration/guides/fabric/nxos/cli_fabric/fspf.html

QUESTION 19

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

- A. Layer 3 path for monitoring purposes
- B. Layer 2 path for server traffic
- C. Layer 2 path for a vPC peer link
- D. Layer 3 path for vPC keepalive packets
- E. Layer 3 path for server traffic

Answer: BC

Explanation:

<https://www.cisco.com/c/dam/en/us/td/docs/solutions/CVD/Aug2014/CVD-DataCenterDesignGuide-AUG14.pdf>

QUESTION 20

The management of the Cisco Nexus switches is provided over an isolated out-of-band network. The VDC feature is configured on the Cisco Nexus core switches.

How is out-of-band management access provided for each VDC?

- A. All the VDC have the same out-of-band IP address.
- B. Each VDC has a dedicated out-of-band Ethernet management port.
- C. Each VDC has a unique out-of-band IP address from the same IP subnet.
- D. Each VDC has a unique out-of-band IP address from different IP subnets among VDCs.

Answer: C

QUESTION 21

Drag and Drop Question

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+	

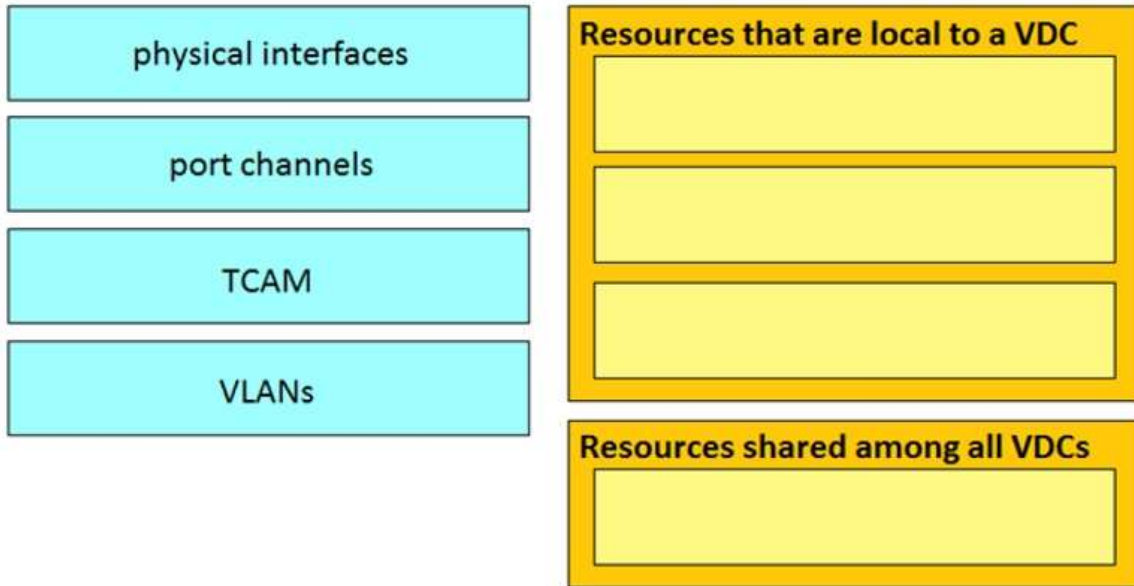
Answer:

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

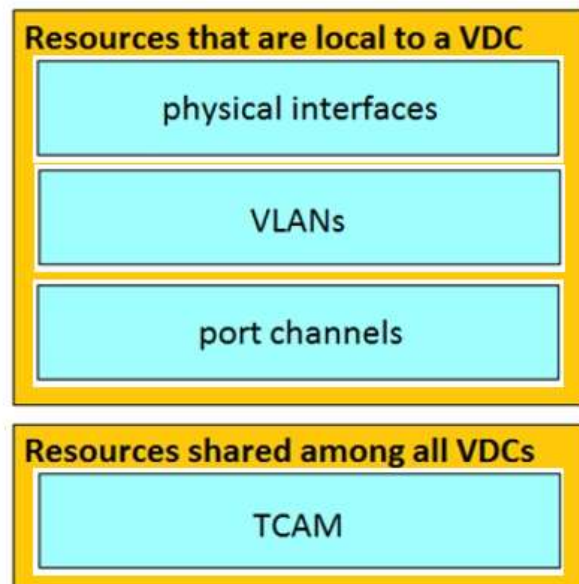
QUESTION 22

Drag and Drop Question

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



Answer:



Explanation:

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