



# 300-610<sup>Q&As</sup>

Designing Cisco Data Center Infrastructure (DCID)

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**QUESTION 1**

Refer to the exhibit

```
class-map class_af11
  match dscp af11
  exit
policy-map type qos policy_af11
  class class_af11
    set dscp 14
  police cir 10 ms bc 1 mbs conform transmit violate drop
```

Due to power limitations at the customer data center, the engineering team must decommission one of the modular switches. In the new design the customer must ensure that the OSPF process is fully protected on the remaining switch and minimize OSPF flapping in case of any module failure. Which solution fulfills the requirements for the new design?

- A. routing summarization
- B. graceful restart
- C. OSPF area separation
- D. LSA aging timer change

Correct Answer: A

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**QUESTION 2**

An engineer seeks a solution to retrieve routing information from Cisco Nexus switches. The data must be exported to a web application in a JSON or XML data format for monitoring and must be encrypted during transmission. The solution must not require extensive knowledge to support and should be simple to implement.

Which technology accomplishes these goals?

- A. streaming telemetry
- B. Cisco Tetration
- C. NX-API
- D. Python scripts

Correct Answer: A

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### QUESTION 3

What are two advantages of using Cisco vPC as compared to 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

Correct Answer: CD

### QUESTION 4

DRAG DROP

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

Select and Place:

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

Correct Answer:



ALUA

iSCSI

MPIO

TOE

**QUESTION 5**

A company needs a solution to virtualize their legacy desktop computers. The solution must be highly resilient and able to withstand the loss of a data center site. Each compute node requires a minimum of 20 disk drives. Which solution meets these requirements?

- A. \*thin client installed at each user's end station with a separate profile to retrieve sensitive data using the RDP protocol \*solution based on Cisco HX220 compute nodes
- B. \*data center site with a strict security policy that provides access to users using a bespoke software client \*solution based on Cisco HX240 compute nodes
- C. \*virtual desktop infrastructure solution installed in multiple data centers that are close to the end users \*solution based on Cisco HX240 compute nodes
- D. \*dedicated virtual machine per hypervisors for each user in a centralized data center \*solution based on Cisco HX220 compute nodes

Correct Answer: C

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