



300-610^{Q&As}

Designing Cisco Data Center Infrastructure (DCID)

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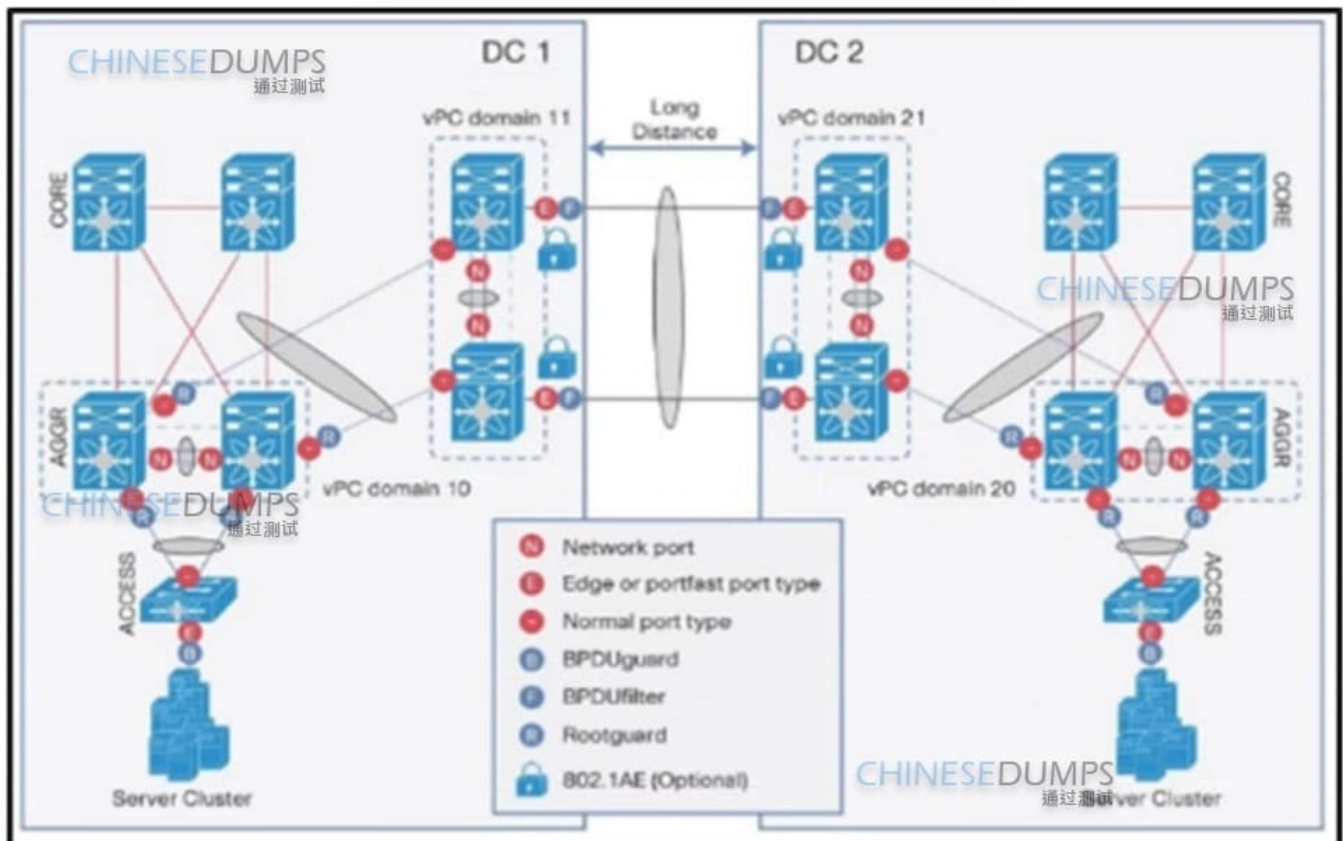
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**QUESTION 1**

Refer to the exhibit.



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

Correct Answer: C

The minimum MTU is 2158 bytes https://www.cisco.com/c/en/us/td/docs/switches/datacenter/nexus5000/sw/qos/521_n1_1/b_5k_QoS_Config_521N11/b_5k_QoS_Config_521N11_chapter_0110.html

QUESTION 2

An engineer is designing a Multichassis EtherChannel topology in which two switches must appear as a single device to a third downstream switch? Which two technologies meet this requirement? (Choose two.)



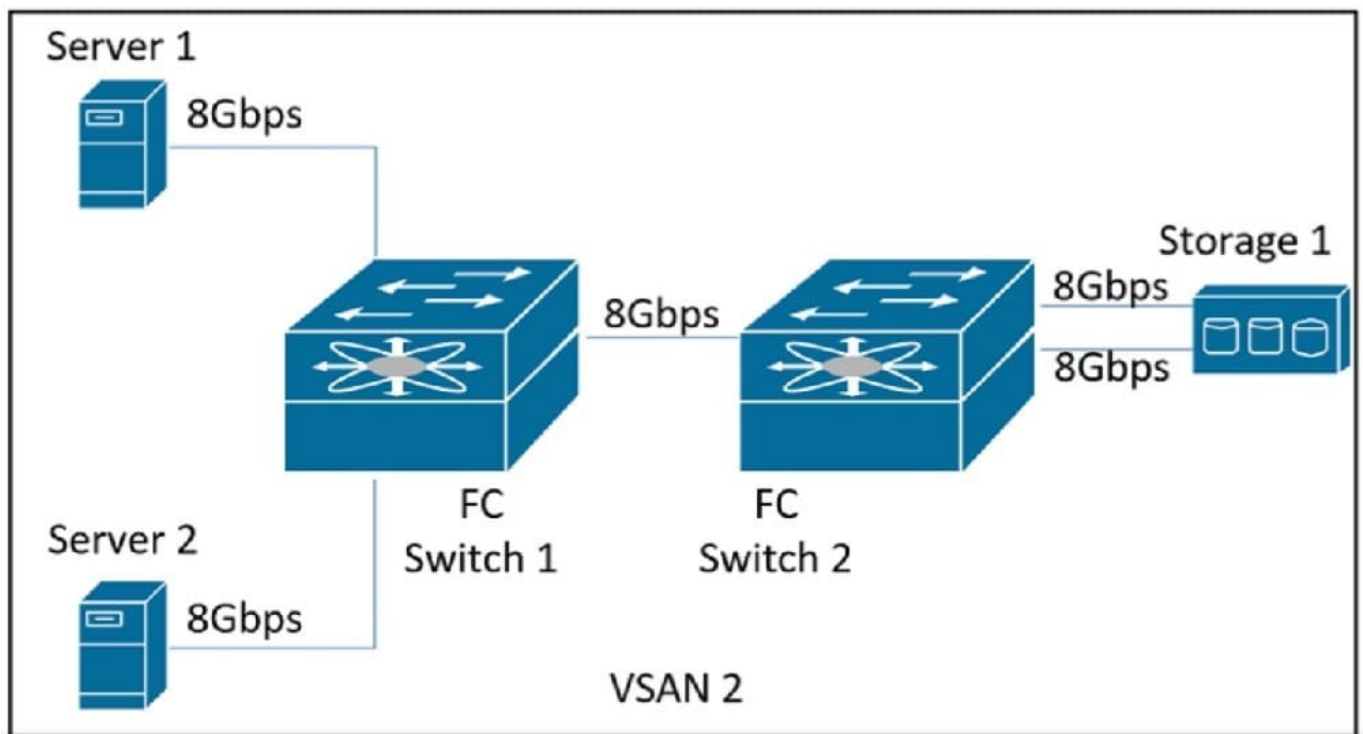
- A. HSRP
- B. VSS
- C. vPC
- D. 802.1q
- E. FEX

Correct Answer: BC

Reference: https://www.cisco.com/c/dam/en/us/products/collateral/switches/nexus-7000-series-switches/C07-572835-00_NX-OS_vPC_DG.pdf

QUESTION 3

Refer to the exhibit.



The data center DC1 uses VXLAN technology. The company asked a service provider to design another data center called DC2 and stretch EVPN information between the data centers based on the same technology. The fabric requires:

1.
endpoint information propagated end-to-end across both data centers
2.
misconfiguration replicated from DC1 to DC2



Which actions must the design include in DC2 to meet these criteria?

- A. Set BGP AS to 65500. Configure RIP as an underlay IGP.
- B. Set BGP AS to 65501. Configure RIP as an underlay IGP.
- C. Set BGP AS to 65501. Configure EIGRP as an underlay IGP.
- D. Set BGP AS to 65500. Configure IGRP as an underlay IGP.

Correct Answer: C

QUESTION 4

A company owns a large-scale compute infrastructure that consists of over 1000 servers and virtual machines. The operational complexity continues to grow with additional policies and servers added to the environment. An infrastructure engineer is looking for an automation tool to reduce the operational complexity of configuring complex infrastructure. Because of the strict security requirements, the tool must be agentless, use the secure shell for transport, and be extendable using existing Python modules.

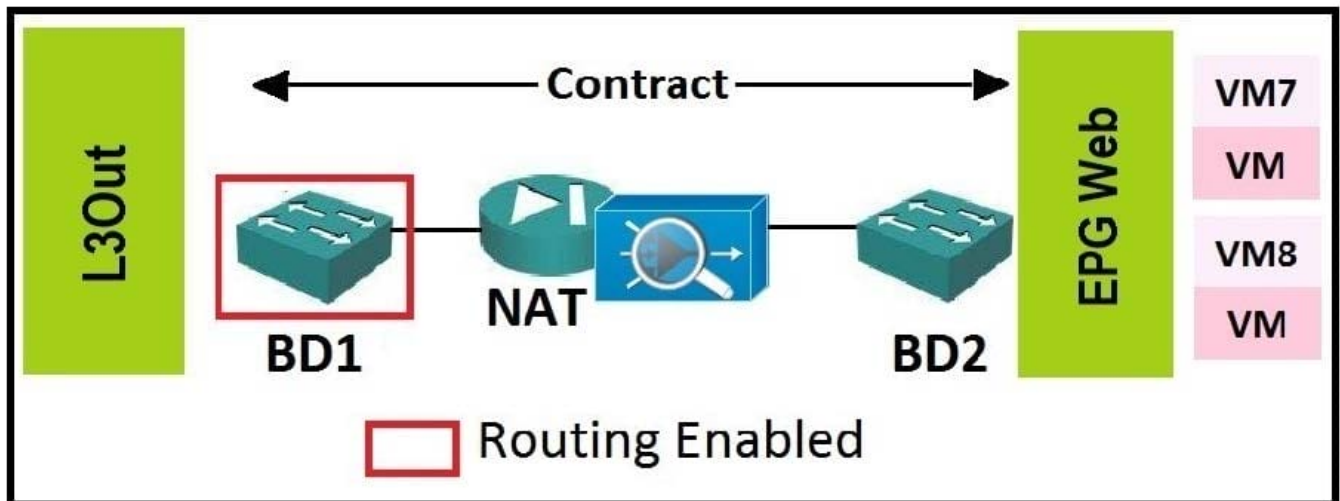
Which tool meets these requirements?

- A. Puppet
- B. NSO
- C. Saltstack
- D. Ansible

Correct Answer: D

QUESTION 5

Refer to the exhibit.



A default route must be advertised into the VXLAN fabric for internet access. The engineer must use a static route because the edge firewall does not support any dynamic routing protocol. Which two features must the engineer use to allow learning and withdrawing of the default route without any manual intervention? (Choose two)

- A. IP forwarding
- B. HMM tracking
- C. Network Address Translation
- D. policy-based routing
- E. anycast gateway

Correct Answer: DE

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