



# 300-170<sup>Q&As</sup>

Implementing Cisco Data Center Virtualization and Automation

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### QUESTION 1

A unicast packet enters into the front panel port of a leaf switch. The leaf switch performs a forwarding lookup for the packet destination IP address and has a miss result. Assuming default configuration, which statement about what happens next is true?

- A. The packet is sent to the forwarding proxy in the spine switch.
- B. The packet is dropped on the leaf switch.
- C. The packet is sent to another leaf switch within the same bridge domain.
- D. The packet is flooded across the entire fabric because it is an unknown unicast.

Correct Answer: A

Reference: [http://webcache.googleusercontent.com/search?q=cache:8blim1WSH8wJ:www.cisco.com/c/en/us/td/docs/switches/datacenter/aci/apic/sw/1-x/aci-fundamentals/b\\_ACI-Fundamentals/b\\_ACI-Fundamentals\\_chapter\\_010010.pdf+andcd=1andhl=enandct=clnandgl=inandclient=firefox-b-ab](http://webcache.googleusercontent.com/search?q=cache:8blim1WSH8wJ:www.cisco.com/c/en/us/td/docs/switches/datacenter/aci/apic/sw/1-x/aci-fundamentals/b_ACI-Fundamentals/b_ACI-Fundamentals_chapter_010010.pdf+andcd=1andhl=enandct=clnandgl=inandclient=firefox-b-ab)

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### QUESTION 2

Which statement about policy-based redirect in an ACI fabric is true?

- A. It allows traffic to be redirected based on an access list.
- B. It requires that service provisioning be enabled by the Layer 4 to Layer7 device package.
- C. It allows the provisioning consumer and the provider endpoint groups to be in the same VRF.
- D. It allows unmanaged nodes to be in separate VRFs.

Correct Answer: C

Reference: [https://www.cisco.com/c/en/us/td/docs/switches/datacenter/aci/apic/sw/1-x/aci-fundamentals/b\\_ACI-Fundamentals/b\\_ACI-Fundamentals\\_chapter\\_01100.html](https://www.cisco.com/c/en/us/td/docs/switches/datacenter/aci/apic/sw/1-x/aci-fundamentals/b_ACI-Fundamentals/b_ACI-Fundamentals_chapter_01100.html)

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### QUESTION 3

You need to create and configure a VRF for IP forwarding on a Cisco Nexus Series Switch running in NX-OS. Drag and drop the configuration steps from the left into the correct order on the right. Not all options are used.

Select and Place:



interface interface-type slot/port	Step 1
ip-address ip-prefix/length	Step 2
vrf context vrf-name	Step 3
vrf member vrf-name	Step 4
ip route ip-addr ip-mask interface next-hop	

Correct Answer:

	vrf context vrf-name
	interface interface-type slot/port
	vrf member vrf-name
	ip-address ip-prefix/length
ip route ip-addr ip-mask interface next-hop	

Reference: <https://supportforums.cisco.com/document/133711/vrf-configuration-and-verification-nexus-7000>

#### QUESTION 4



```
from acitoolkit import *
from credentials import *
tenant = Tenant('ClientA')
context = Context('clienta-router', tenant)
bd = BridgeDomain('clienta-BD1', tenant)
bd.add_context(context)
bd.add_subnet('10.10.0.1/24')
app = AppProfile('webservices', tenant)
vlan100 = EPG('VLAN100', app)
vlan100.add_bd(bd)
vlan200 = EPG('VLAN200', app)
vlan200.add_bd(bd)
```

Refer to the exhibit. Which scripting tool is used to create the script?

- A. REST API
- B. API Inspector
- C. Postman
- D. Python SDK

Correct Answer: D

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#### QUESTION 5

Which type of connection is supported by Layer 3 in the Cisco ACI fabric?

- A. eBGP over OSPF
- B. eBGP over EIGRP
- C. eBGP over RIP
- D. iBGP over EIGRP

Correct Answer: A

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