



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

Implementing Cisco Data Center Virtualization and Automation

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#### QUESTION 1

```
n1000v (config) # show svcs domain

SVS domain config:

  Domain id:          100
  Control vlan:       190
  Packet vlan:        191
  L2/L3 Aipc mode:    L2
  L2/L3 Aipc interface: mgmt0

Status: Config push to VC successful.
```

Refer to the exhibit. Which description of the configuration of the Cisco Nexus 1000V Series Switch is true?

- A. VSM connects to the VMware vCenter server
- B. Mgmt0 is a Layer 2 interface
- C. SVS mode is set to L3.
- D. Packet VLAN is a private VLAN

Correct Answer: A

#### QUESTION 2

Refer to the exhibit.



Deploy Static EPG On PC, VPC, Or Interface

Select PC, VPC, or Interface

Path Type:  Port  
 Direct Port Channel  
 Virtual Port Channel

Path: topology/pod-1/protopaths-101-102/pathep-1

Encap: vlan-10  
For example, vlan-1

Deployment Immediacy:  Immediate  
 On Demand  
 802.1P Tag

Mode:  Tagged  
 Untagged  
 802.1P Tag

SUBMIT CANCEL

You perform the configuration as shown in the exhibit. Which two additional tasks must you perform to deploy EPG on PC, VPC, or Interface? (Choose two.)

- A. Add the border leaf node to the Layer 2 outside connection.
- B. Create an Attachable Access Entity Profile.
- C. Create a Layer 2 outside connection.
- D. Create a physical domain and a VLAN pool for the physical domain, and associate the physical domain to the EPG WEB.
- E. Extend the VLAN represented by EPG out of the Cisco ACI fabric.

Correct Answer: AB

### QUESTION 3

Which option must be configured to allow SNMP communications and traffic?

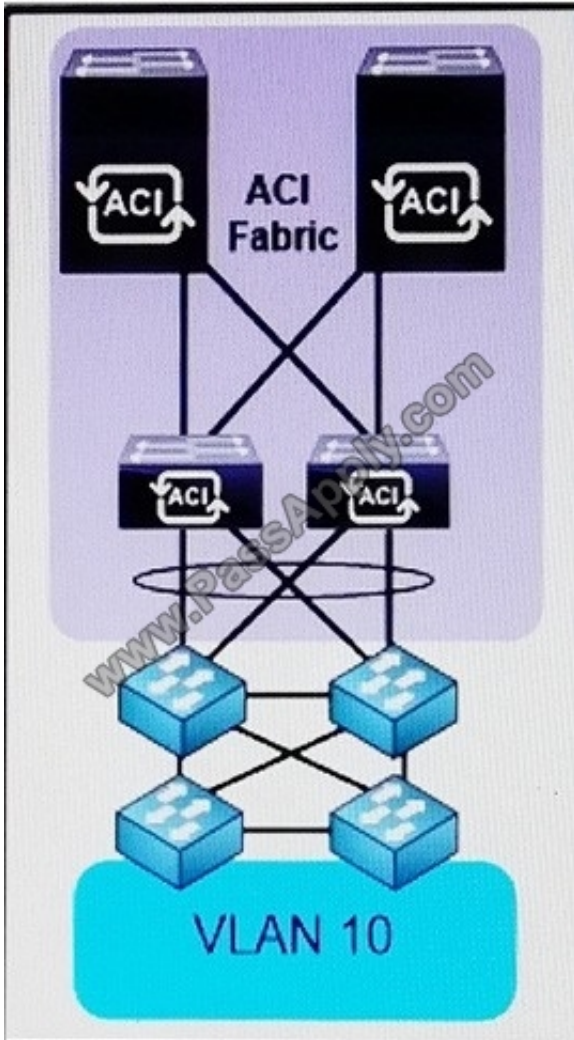
- A. an out-of-band bridge domain
- B. an out-of-band contract
- C. an out-of-band policy
- D. an out-of-band management interface

Correct Answer: D



Reference: [http://www.cisco.com/c/en/us/td/docs/switches/datacenter/nexus5000/sw/configuration/guide/cli\\_rel\\_4\\_0\\_1a/CLIConfigurationGuide/initconfig.html](http://www.cisco.com/c/en/us/td/docs/switches/datacenter/nexus5000/sw/configuration/guide/cli_rel_4_0_1a/CLIConfigurationGuide/initconfig.html)

#### QUESTION 4



Refer to the exhibit. You must extend Layer 2 services out of the Cisco ACI fabric without configuring contracts for the connected devices. Which option do you extend?

- A. EPG out of the ACI fabric
- B. Layer 2 domain by using remote VTEP
- C. bridge domain out of the ACI fabric
- D. VMM out of the ACI fabric

Correct Answer: A

#### QUESTION 5



```
Switch(config)# configure profile
defaultNetworkProfile
    vlan $vlanId
    vn-segment $segmentId
    mode fabricpath
    interface vlan $vlanId
    vrf member $vrfName
    ip address $gatewayIpAddress/$netMaskLength
tag 12345
    ip dhcp relay address $dhcpServerAddr use-
vrf $vrfDhcp
    ipv6 address
$gatewayIpv6Address/$prefixLength tag 12345
    fabric forwarding mode proxy-gateway
    no ip redirects
    no ipv6 redirects
    no shutdown
include profile any
```

Refer to the exhibit. Which type of auto-configuration profile is being configured?

- A. universal configuration
- B. configuration
- C. VLAN
- D. port

Correct Answer: A

Reference: <https://www.cisco.com/c/en/us/td/docs/switches/datacenter/dfa/configuration/b-dfa-configuration/auto-configuration.pdf>

#### QUESTION 6

Which action occurs first when a device that has the POAP feature boots and cannot find the startup configuration?

- A. The device locates a DHCP server.



- B. The device enters POAP mode.
- C. The device obtains the IP address of a TFTP server.
- D. The device installs a software image and a configuration file.

Correct Answer: B

Reference: [http://www.cisco.com/c/en/us/td/docs/switches/datacenter/nexus9000/sw/6-x/fundamentals/configuration/guide/b\\_Cisco\\_Nexus\\_9000\\_Series\\_NX-OS\\_Fundamentals\\_Configuration\\_Guide/b\\_Cisco\\_Nexus\\_9000\\_Series\\_NXOS\\_Fundamentals\\_Configuration\\_Guide\\_chapter\\_011.html](http://www.cisco.com/c/en/us/td/docs/switches/datacenter/nexus9000/sw/6-x/fundamentals/configuration/guide/b_Cisco_Nexus_9000_Series_NX-OS_Fundamentals_Configuration_Guide/b_Cisco_Nexus_9000_Series_NXOS_Fundamentals_Configuration_Guide_chapter_011.html)

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### QUESTION 7

Which two methods can you use to implement in-band management access to a Cisco APIC? (Choose two.)

- A. REST API
- B. FTP
- C. ZTP
- D. GUI
- E. POAP

Correct Answer: AD

Reference: [https://www.cisco.com/c/en/us/td/docs/switches/datacenter/aci/apic/sw/kb/b\\_KB\\_Configuring\\_Static\\_Management\\_Access.html#d54e214a1635](https://www.cisco.com/c/en/us/td/docs/switches/datacenter/aci/apic/sw/kb/b_KB_Configuring_Static_Management_Access.html#d54e214a1635)

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### QUESTION 8

Which protocol is used as the link-state routing protocol for a DFA fabric?

- A. VXLAN
- B. EIGRP
- C. FabricPath IS-IS
- D. OSPF

Correct Answer: C

Reference: [https://www.google.co.in/url?sa=t&andrc=jandq=andesrc=sandsource=webandcd=3andcad=rjaanduact=8andved=0ahUKEwiP3KThqKHVAhWBf7wKHbm0DiIQFgg1MAIandurl=http%3A%2F%2Fwww.cisco.com%2Fen%2Fus%2Ftd%2Fdocs%2Fswitches%2Fdatacenter%2Fdfa%2Fconfiguration%2Fb-dfa-configuration%2Ffabric-control-segment.html&andusg=AFQjCNGtxPIX57Q\\_wvs\\_7a1drTW\\_WDgf\\_g](https://www.google.co.in/url?sa=t&andrc=jandq=andesrc=sandsource=webandcd=3andcad=rjaanduact=8andved=0ahUKEwiP3KThqKHVAhWBf7wKHbm0DiIQFgg1MAIandurl=http%3A%2F%2Fwww.cisco.com%2Fen%2Fus%2Ftd%2Fdocs%2Fswitches%2Fdatacenter%2Fdfa%2Fconfiguration%2Fb-dfa-configuration%2Ffabric-control-segment.html&andusg=AFQjCNGtxPIX57Q_wvs_7a1drTW_WDgf_g)

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### QUESTION 9



You have a contract between in-band and out-of-band EPGs. Which two descriptions of this configuration are true? (Choose two.)

- A. Filters apply in the incoming direction only.
- B. Both EPGs must be in one VRF.
- C. Management statistics are available.
- D. Shared services for CPU-bound traffic are supported.
- E. The configuration supports Layer 2 filters.

Correct Answer: AB

Reference: [http://www.cisco.com/c/en/us/td/docs/switches/datacenter/aci/apic/sw/1-x/aci-fundamentals/b\\_ACI-Fundamentals/b\\_ACI-Fundamentals\\_chapter\\_010001.html](http://www.cisco.com/c/en/us/td/docs/switches/datacenter/aci/apic/sw/1-x/aci-fundamentals/b_ACI-Fundamentals/b_ACI-Fundamentals_chapter_010001.html)

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#### QUESTION 10

What action does a VEM on Cisco Nexus 1000v take when an untagged packet is received on an access port?

- A. Drops the packet
- B. Adds the ports access VLAN to the packet
- C. Forwards the packet as is
- D. Adds a native VLAN tag to the packet

Correct Answer: B

Reference: [https://www.cisco.com/c/en/us/td/docs/switches/datacenter/nexus1000/sw/5\\_x/layer2\\_config/b\\_Cisco\\_N1KV\\_VMware\\_Layer2\\_Config\\_5x/b\\_Cisco\\_N1KV\\_VMware\\_Layer2\\_Config\\_5x\\_chapter\\_011.html](https://www.cisco.com/c/en/us/td/docs/switches/datacenter/nexus1000/sw/5_x/layer2_config/b_Cisco_N1KV_VMware_Layer2_Config_5x/b_Cisco_N1KV_VMware_Layer2_Config_5x_chapter_011.html)

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#### QUESTION 11

You plan to implement virtual switching with service blades in a large environment that will have 12 VSBs. Which model of the Cisco Nexus Cloud Cisco Service Platform should you use?

- A. 1110-X
- B. 1010-X
- C. 1110-S
- D. 1010

Correct Answer: A

Reference: [http://www.cisco.com/c/en/us/products/collateral/switches/nexus-1100-series-cloud-services-platforms/data\\_sheet\\_c78-297641.html](http://www.cisco.com/c/en/us/products/collateral/switches/nexus-1100-series-cloud-services-platforms/data_sheet_c78-297641.html)

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### QUESTION 12

You are deploying L4-L7 services within Cisco Application Centric Infrastructure. You need to modify an existing service graph. Where do you configure this?

- A. under the provider EPG
- B. on a connector within a service graph
- C. on a function profile within a service graph
- D. on a terminal node within a service graph

Correct Answer: A

Reference: [http://www.cisco.com/c/en/us/solutions/collateral/data-center-virtualization/application-centric-infrastructure/white-paper-c11-734298.html#\\_Toc456397524](http://www.cisco.com/c/en/us/solutions/collateral/data-center-virtualization/application-centric-infrastructure/white-paper-c11-734298.html#_Toc456397524)

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