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Vendor:Cisco

Exam Code:300-170

Exam Name:Implementing Cisco Data Center
Virtualization and Automation

Version:Demo

QUESTION 1

```
<fvTenant name='TenantA'>
<fvCtx name="CTX1"\>
<!--Create bridge domain and enable routing-->
<fvBD name="bd1" unicastRoute="yes">
<!--Associate the bridge domain with L3 outside connection-->
<fvRsBDToOut tnL3extOutName='L3OUT-1' />
<fvSubnet ip=" 10.10.10.10/16 " />
<fvSubnet ip=" 10.20.10.10/16 " />
<fvSubnet ip=' 209.165.201.1/27 ' scope='public' />
<fvRsCtx tnFvCtxName="CTX1" />
</fvBD>
</fvTenant>
```

Refer to the exhibit. What is created by the configuration?

- A. an L3Out
- B. an L3OUT-1 bridge domain
- C. three subnets within a BD
- D. a CTX1 tenant

Correct Answer: A

QUESTION 2

When you provision a VDC, which command is used in VDC configuration mode?

- A. vrf context
- B. boot-order
- C. vdc resource template
- D. vdc combined-hostname

Correct Answer: B

QUESTION 3

You create a dynamic VLAN pool to be used for Virtual Machine Manager integration. On which two other components must you ensure the VLANs in the pool are allowed? (Choose two.)

- A. AVS
- B. Cisco Nexus 1000V
- C. the intermediate switch
- D. vSwitch
- E. the Cisco UCS blade system

Correct Answer: AD

QUESTION 4

Which description of EPGs is true?

- A. A single subnet can be extended across several EPGs.
- B. EPGs can only be linked to physical domains.
- C. EPGs can contain endpoints from multiple tenants.
- D. Communication between EPGs is governed by static path binding policies.

Correct Answer: A

Reference: https://www.cisco.com/c/en/us/td/docs/switches/datacenter/aci/apic/sw/1-x/Operating_ACI/guide/b_Cisco_Operating_ACI/b_Cisco_Operating_ACI_chapter_0111.html

QUESTION 5

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&drct=j&andq=andescr=sandsourc=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

QUESTION 6

Which type of server is needed to provide POAP with a configuration script?

- A. DHCP
- B. SCP
- C. FTP
- D. TFTP

Correct Answer: D

Reference: http://webcache.googleusercontent.com/search?q=cache:tJ9MpZwL1DQJ:www.cisco.com/c/en/us/td/docs/switches/datacenter/nexus5000/sw/fundamentals/521n11/b_5k_Fund_Config_521N11/b_5k_Fund_Config_521N11_chapter_0100.pdf+andcd=1andhl=enandct=clnkandgl=inandclient=firefox-b-ab

QUESTION 7

Which two benefits come from using a Cisco Nexus 7000 Series Switch in VDC mode? (Choose two.)

- A. per-VDC kernel resource allocation
- B. per-VDC administration
- C. per-VDC load balancing for Cisco EtherChannel
- D. per-VDC forwarding information base
- E. per-VDC fault isolation

Correct Answer: BE

Reference: http://www.cisco.com/c/en/us/products/collateral/switches/nexus-7000-10-slot-switch/White_Paper_Tech_Overview_Virtual_Device_Contexts.html

QUESTION 8

```
vsm# configure t
vsm(config)# port-profile type ethernet uplink
vsm(config)# switchport mode trunk
vsm(config)# switchport trunk allowed vlan 150
vsm(config)# mtu 9000
vsm(config-port-prof)# service instance 10
vsm(config-port-prof-srv)# encapsulation profile segment
segment
vsm(config-port-prof-srv)# exit
vsm(config-port-prof)# no shutdown
vsm(config-port-prof)# state enabled
vsm(config-port-prof)# vmware port-group
vsm(config-port-prof)# exit
vsm(config)# port-profile type vethernet vtep
vsm(config-port-prof)# switchport mode access
vsm(config-port-prof)# switchport access vlan 200
vsm(config-port-prof)# capability vxlan
vsm(config-port-prof)# transport ip address 10.1.1.100
netmask 255.255.255.0 gateway 10.1.1.1
vsm(config-port-prof)# no shutdown
vsm(config-port-prof)# state enabled
vsm(config-port-prof)# vmware port-group
```

Refer to the exhibit. Which statement about the VXLAN gateway configuration is true?

- A. VLAN 10 is mapped to a VXLAN.
- B. VLAN 200 is mapped to a VXLAN.
- C. The VTEP gateway uses an IP address of 10.1.1.1.
- D. The VTEP gateway uses an IP address of 10.1.1.100.

Correct Answer: C

QUESTION 9

Which two tenants are configured by default in Cisco ACI? (Choose two.)

- A. common
- B. VRF
- C. Cisco
- D. customer
- E. mgmt

Correct Answer: AE

QUESTION 10

You have a network that has three subnets. You migrate the network to a Cisco ACI fabric. You want to bridge the three subnets without changing the IP addresses of the endpoints. The default gateway for the endpoints does not sit on the ACI fabric. Which action must you take to keep the three subnets in a single flood domain?

- A. Create multiple bridge domains that have unicast routing disabled within the same EPG. Connect the existing subnets to the bridge domains.
- B. Create one bridge domain that has unicast routing disabled and connect the existing subnets to the bridge domain.
- C. Create one bridge domain that has unicast routing enabled and create corresponding subnets inside the bridge domain. Connect the existing network to the bridge domain.
- D. Create multiple bridge domains that have unicast routing enabled within the same EPG. Create corresponding subnets inside the bridge domains and connect the existing network to the bridge domains.

Correct Answer: B

Reference: http://www.cisco.com/c/en/us/td/docs/switches/datacenter/aci/apic/sw/migration_guides/migrating_existing_networks_to_aci.html

QUESTION 11

The behavior of which packet type can be controlled by selecting unicast mode or flood mode in a bridge domain?

- A. ARP
- B. unknown unicast
- C. LLDP
- D. CDP

Correct Answer: B

QUESTION 12

Which two routing protocols provide connectivity between the Cisco ACI fabric external Layer 3 devices? (Choose two.)

- A. OSPF
- B. BGP
- C. RIP
- D. ISIS
- E. RIPng

Correct Answer: AB

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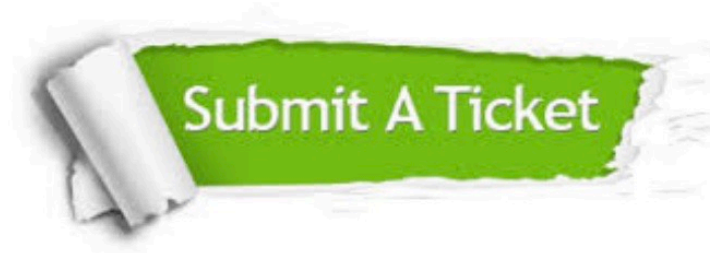
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