

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

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### QUESTION 1

You have a new Cisco Nexus 7000 Series Switch that has only the default VDC configured . Which option describes the default behavior of the physical interfaces on the switch?

- A. The physical ports are divided into eight groups and the first group is assigned to the default VDC
- B. All of the physical ports on the switch are assigned to the default VDC
- C. None of the physical ports on the switch are assigned
- D. The physical ports are divided into six groups and the first group is assigned to the default VDC

Correct Answer: C

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### QUESTION 2

When configuring the SVS Domain in Layer 2 mode in the Cisco Nexus 1000v, which three parameters are required?  
(Choose three)

- A. port profile
- B. control VLAN
- C. domain ID
- D. attribute
- E. packet VLAN
- F. port group

Correct Answer: BCE

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### QUESTION 3

A host connected to a leaf switch sends an ARP request. By default, what does the ingress switch do with the ARP requests?

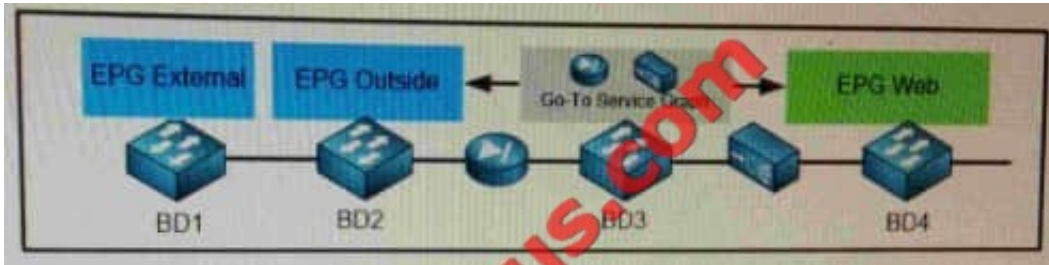
- A. Suppress the ARP
- B. Send the ARP by using unicast.
- C. Send the ARP by using a broadcast
- D. Send the ARP by using multicast

Correct Answer: C

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**QUESTION 4**

Refer to Exhibit.

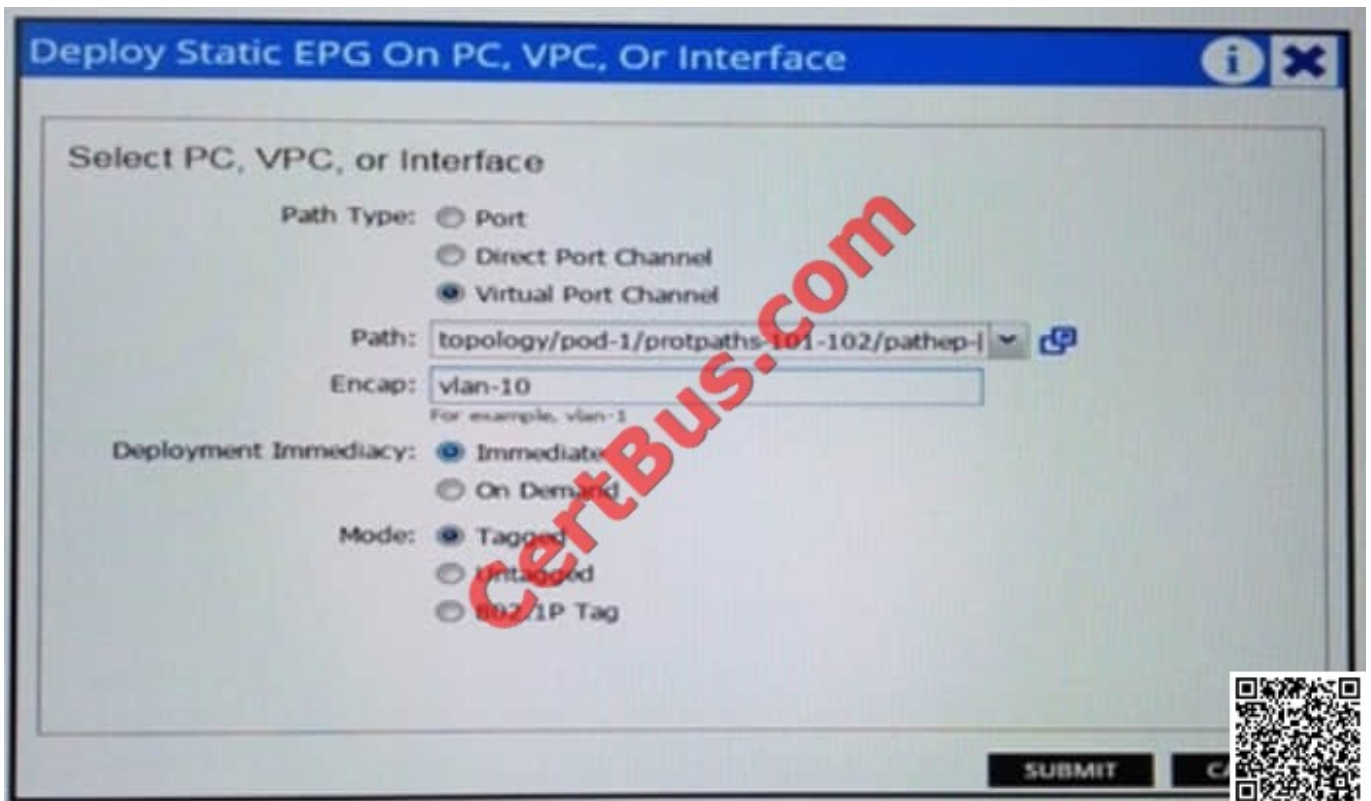


In which bridge domain does enabling hardware proxy have the greatest benefit?

- A. BD1
- B. BD2
- C. BD3
- D. BD4

Correct Answer: D

**QUESTION 5**



Refer to the exhibit:

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 pi the Cisco ACI fabric

Correct Answer: BD

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#### QUESTION 6

What occurs when you make an interface a member of an existing VRF m Cisco NX-OS?

- A. The a VRF-Aware services start to be filtered
- B. You are prompted to enter an IP address assignment
- C. All of the Layer 3 configurations are removed
- D. The state of the interface is changed to down

Correct Answer: C

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

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#### QUESTION 7

Which option must be created to allow one EPG to communicate with another EPG within same tenant?

- A. a filter
- B. a taboo
- C. a subject
- D. a contract

Correct Answer: B

---

#### QUESTION 8

Which two parameters are part of the Cisco APIC first time setup and must be configured? (Choose two )

- A. the fabric node vector configuration
- B. the LLDP adjacency configuration
- C. the out of-band management configuration
- D. the cluster configuration
- E. the APIC LLDP configuration

Correct Answer: CE

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#### **QUESTION 9**

Which feature of a Cisco Nexus 1000V Servers Switch allows you to deploy traffic steering for a virtual infrastructure?

- A. SOT
- B. PVLAN
- C. ACL
- D. vPath

Correct Answer: D

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#### **QUESTION 10**

Which configuration is needed to extend the EPG out of the Cisco ACI fabric?

- A. Create external bridged networks.
- B. Statically assign a port to EPG.
- C. Apply a policy between the internal and the external EPG.
- D. Extend the tenant subnet of the bridge domain out of the fabric.

Correct Answer: B

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#### **QUESTION 11**

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 software image and a configuration file

Correct Answer: B

PowerOn Auto Provisioning (POAP) automates the process of upgrading software images and installing configuration files on devices that are being deployed in the network for the first time. When a device with the POAP feature boots and does not find the startup configuration, the device enters POAP mode, locates a DHCP server, and bootstraps itself with its interface IP address, gateway, and DNS server IP addresses. The device also obtains the IP address of a TFTP server or the URL of an HTTP server and downloads a configuration script that enables the switch to download and install the appropriate software image and configuration file

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#### QUESTION 12

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. vS witch
- E. the Cisco UCS blade system

Correct Answer: BD

---

#### QUESTION 13

Which two statements about NX-API REST are true? (Choose two)

- A. NX-API REST uses HTTP/Hi VPS as its transport protocol.
- B. NX-API KI SI is supported on Cisco Nexus 9000 and 3000 Series switches including switches with less than 8 GB of memory.
- C. The NX-API REST backend uses the Nginx HTTP server.
- D. NX-API REST is best used when you have static network configurations, static workloads, and predictable slower change rates for application scaling.
- E. NX-API REST uses the Cisco APIC to provide a front end to developers.

Correct Answer: AC

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#### QUESTION 14

You have a Cisco Nexus Series Switch. Which two descriptions of how incoming packets are handled by the VRF instance are true? (Choose two)

- A. The route policy defines which VRF that Cisco NX-OS uses for incoming packets
- B. By default, Cisco NX-OS uses the VRF of the outgoing interface
- C. The policy in the management VRF defines which VRF that Cisco NX-OS uses for incoming packets
- D. By default, Cisco NX-OS uses the VRF of the incoming interface

Correct Answer: BD

**QUESTION 15**

```

CCNP_LEAF1# show mac address-table
Legend:
  * - primary entry, G - Gateway MAC, (R) - Routed MAC, O - Overlay MAC
  age - seconds since last seen, + primary entry using VPC Peer-Link,
  (T) - True, (F) - False
  VLAN      MAC Address      Type      age      Secure NTFY Ports/SWID.88
-----
* 14        0045.8834.16f6    dynamic   -        F      F      eth1/11
* 14        0045.8834.b4b4    dynamic   -        F      F      eth1/11
    
```

Refer to the exhibit

You are verifying connectivity within a leaf device. You attempt to connect to a destination server in VLAN 17, and you then run the show mac address-table command as shown. Why does the show mac address-table output show a different VLAN?

- A. The wrong AEP is attached to the leaf ports
- B. The VLAN configuration on the leaf switch is incorrect
- C. The VLAN ID shown is used for identification and internal mapping within the ACI leaf
- D. When traffic appears, the Cisco ACI marks ports with VLAN 17

Correct Answer: A

**QUESTION 16**

Refer to the exhibit.



```
<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>
```

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 17**

Which description of the Visore tool is true?

- A. It reports the current managed object in the bottom left hand corner of the GUI windows.
- B. It is a tool within USC Director that allows the user to view the end point database.
- C. It is an object store that existing on the APIC which can directly query the managed objects.
- D. It is a tool used to report API calls that are made by the GUI to the APIC.

Correct Answer: C

**QUESTION 18**

Choose the correct order of Cisco ACI Layer 4 to Layer 7 service insertion:

1.  
VRF stitching



2.

device cluster

3.

service graph

4.

concrete interfaces

A. 1.2.3.4

B. 1.3.2.4

C. 2.1.4.3

D. 4.1.3.2

Correct Answer: A

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#### QUESTION 19

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

A. par-VDC kernel resource allocation

B. per-VDC administration

C. per-VDC load balancing for Cisco Ether Channel

D. per-VDC forwarding information base

E. per-VDC fault isolation

Correct Answer: BE

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#### QUESTION 20

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

Explanation: <http://www.cisco.com/c/en/us/solutions/collateral/data-center-virtualization/application-centric-infrastructure/white-paper-c11-734298.html>

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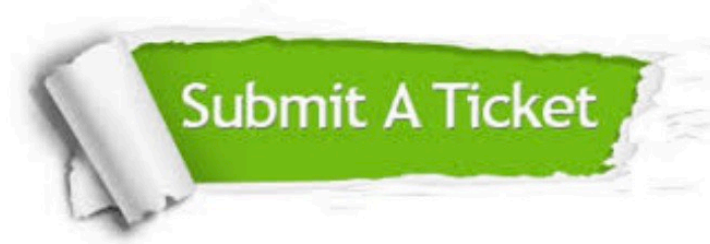
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