



# 640-911<sup>Q&As</sup>

Introducing Cisco Data Center Networking (Retired)

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### QUESTION 1

What network topology consists of each node connecting to a central device?

- A. bus
- B. mesh
- C. star
- D. spine and leaf

Correct Answer: C

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### QUESTION 2

What are three reasons to migrate from IPv4 to IPv6? (Choose three.)

- A. IPv6 eliminates the requirement for NAT.
- B. IPv6 includes enough IP addresses to allocate more than four billion IP addresses to every person on earth.
- C. IPv6 eliminates the need for VLANs.
- D. Hosts can be assigned an IP address without DHCP.
- E. Hosts can be assigned an IP address without DNS.

Correct Answer: ABD

"IPv6 address contains 32 characters vs. 12 in IPv4. This will grant no ip address translation and dynamic changes. We will even don't need NAT!" [http:// www.ipv6.ru/english/history/goipv6.php](http://www.ipv6.ru/english/history/goipv6.php) " IPv6 uses a 128-bit address, allowing 2<sup>128</sup>, or approximately 3.4×10<sup>38</sup> addresses, or more than 7.9×10<sup>28</sup> times as many as IPv4, which uses 32-bit addresses"; <http://en.wikipedia.org/wiki/IPv6>

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### QUESTION 3

Which two layers of the OSI model are combined in the Internet protocol suite network access layer? (Choose two.)

- A. 1
- B. 2
- C. 3
- D. 4
- E. 5
- F. 6



G. 7

Correct Answer: AB

[http://en.wikipedia.org/wiki/Internet\\_protocol\\_suite](http://en.wikipedia.org/wiki/Internet_protocol_suite)

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#### QUESTION 4

Which four statements indicate unique properties of VLAN 1 on Cisco Nexus switches? (Choose four.)

- A. VLAN 1 is used to flood multicast traffic.
- B. VLAN 1 cannot be deleted.
- C. VLAN 1 is used for Cisco Discovery Protocol.
- D. VLAN 1 is used for VTP advertisements.
- E. VLAN 1 defines a collision domain.
- F. VLAN 1 defines a broadcast domain.

Correct Answer: BCDF

[http://www.cisco.com/en/US/docs/switches/datacenter/sw/5\\_x/nx-os/layer2/configuration/guide/Cisco\\_Nexus\\_7000\\_Series\\_NX-S\\_Layer\\_2\\_Switching\\_Configuration\\_Guide\\_Release\\_5.x\\_chapter4.html](http://www.cisco.com/en/US/docs/switches/datacenter/sw/5_x/nx-os/layer2/configuration/guide/Cisco_Nexus_7000_Series_NX-S_Layer_2_Switching_Configuration_Guide_Release_5.x_chapter4.html)

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#### QUESTION 5

Which two statements describe the purpose of RFC 1918? (Choose two.)

- A. Establish a range of IP addresses that are dedicated to the growing use of multicast video.
- B. Establish a range of IP addresses that are dedicated to the growing use of peer-to-peer file-sharing applications.
- C. Establish a range of IP addresses that are dedicated to use on internal networks.
- D. Establish a range of IP addresses to address the shrinking pool of globally routable addresses.
- E. Delay the transition to IPv6.

Correct Answer: CD

<http://tools.ietf.org/html/rfc1918>

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#### QUESTION 6

An administrator wants a host with IP address 192.168.40.3 to communicate to hosts on the Internet. How can this be achieved?



- A. This type of communication cannot be achieved.
- B. Network Address Translation must be used.
- C. The perimeter firewall must permit RFC 1918 addresses to the Internet.
- D. A dedicated VLAN should be provisioned to allow private-to-public translation.

Correct Answer: B

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#### QUESTION 7

What is required to allow devices that are using RFC 1918 addresses to communicate over the Internet?

- A. A private to public VLAN must be defined on the Internet border device.
- B. The Internet firewall must permit RFC 1918 addresses.
- C. VLAN translation is required on the Internet border device.
- D. Network address translation is required on the Internet border device.

Correct Answer: D

"The majority of NATs map multiple private hosts to one publicly exposed IP address. In a typical configuration, a local network uses one of the designated "private" IP address subnets (RFC 1918)"  
[http://en.wikipedia.org/wiki/Network\\_address\\_translation](http://en.wikipedia.org/wiki/Network_address_translation)

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#### QUESTION 8

Which two features must be licensed on a Cisco Nexus 5548UP Switch? (Choose two.)

- A. Virtual Port Channel
- B. Fibre Channel
- C. FabricPath
- D. iSCSI

Correct Answer: BC

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#### QUESTION 9

How many bits are in an IPv4 address?

- A. 32
- B. 24
- C. 8



D. 4

Correct Answer: A

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**QUESTION 10**

At which layer of the OSI Model is TCP traffic encapsulated?

- A. transport
- B. data-link
- C. presentation
- D. application

Correct Answer: A

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**QUESTION 11**



**Instructions**  
Click on either Cisco Nexus 7010 in the topology to gain console access.

**Scenario**  
The following five questions concern the Cisco 7010s in the topology, which are at the core of a data center network. You can use all the available **show** commands to answer the questions. Access to the running-configurations is not allowed.

**Exhibit1**

The diagram shows a vPC setup between two Nexus 7010 switches, N7010-C1 and N7010-C2. They are connected via vPC keepalives on E2/1 and E2/2. N7010-C1 is connected to S6100-A and S6100-B. N7010-C2 is connected to S6100-B. S6100-A and S6100-B are connected to various servers and storage devices.

**N7010-C1**

N7010-C1

**N7010-C2**

N7010-C2

**Questions**

1 Some VLANs were added on the VTP server N7010-C1, but N7010-C2 has not learned these VLANs. Which of the following reasons would explain the problem?

2

3  The VTP passwords are set incorrectly.

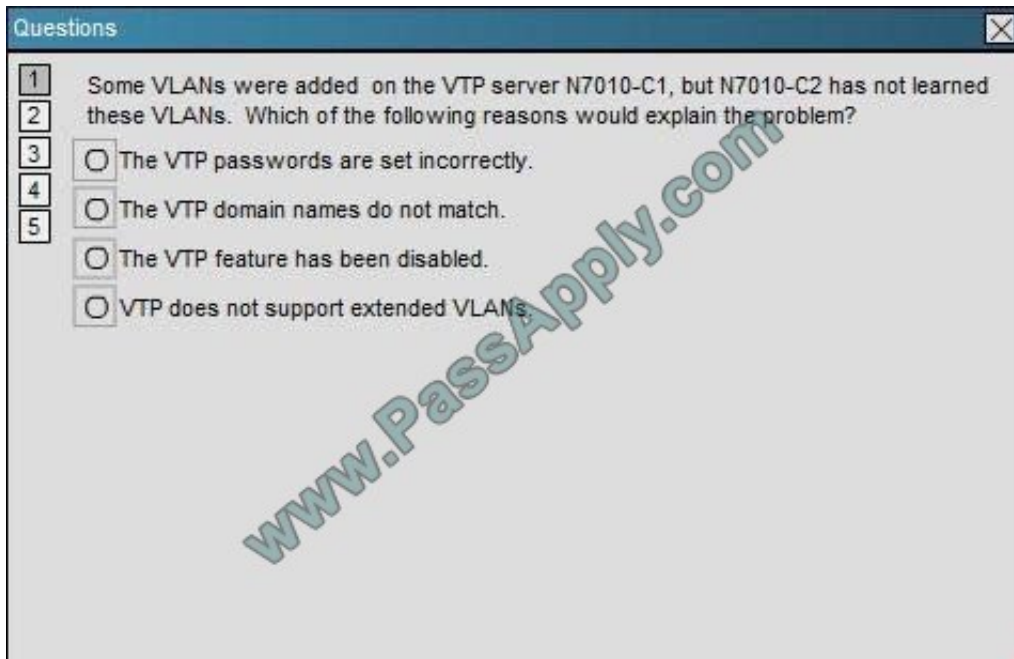
4  The VTP domain names do not match.

5  The VTP feature has been disabled.

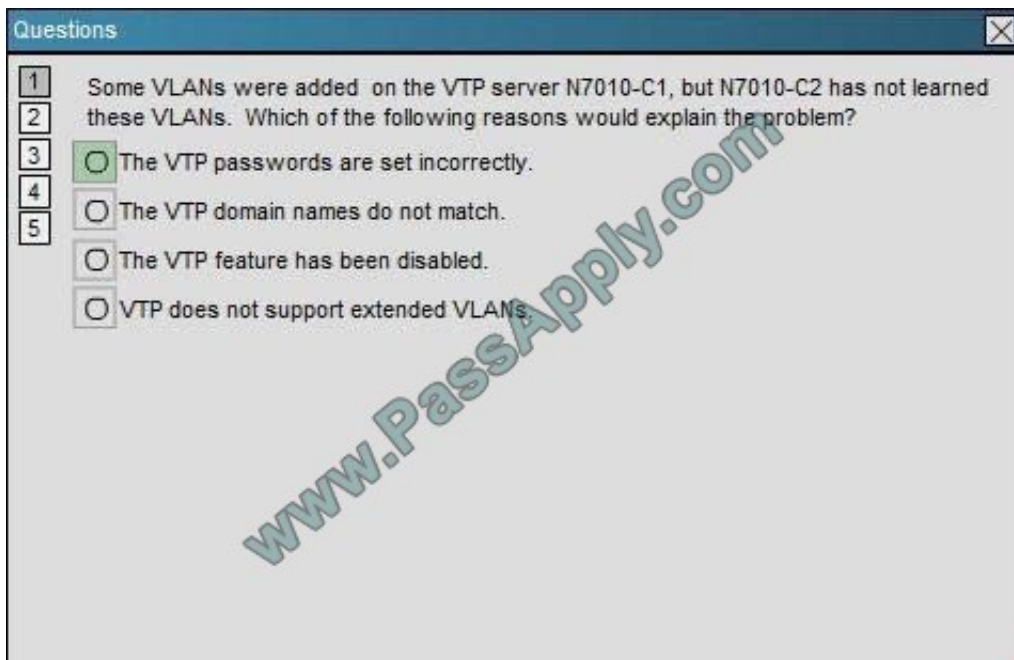
VTP does not support extended VLANs.



Hot Area:



Correct Answer:



The VTP passwords are set incorrectly.

Use the show VTP password command, one side is set to cisco the other is cisco123.

## QUESTION 12

Which command should you use to configure a Cisco Nexus switch port for Layer 2 operation?



- A. nexus(config-if)#switchport
- B. nexus(config-if)#layer-2
- C. nexus(config-if)#routed
- D. nexus(config)#interface vlan 10nexus(config-if)#switchport

Correct Answer: A

"If you want to configure a Layer 3 interface for Layer 2, enter the switchport command. Then, if you change a Layer 2 interface to a routed interface, enter the no switchport command."

[http://www.cisco.com/en/US/docs/switches/datacenter/nexus5000/sw/command/reference/layer2/n5kl2\\_cmds\\_n.pdf](http://www.cisco.com/en/US/docs/switches/datacenter/nexus5000/sw/command/reference/layer2/n5kl2_cmds_n.pdf)

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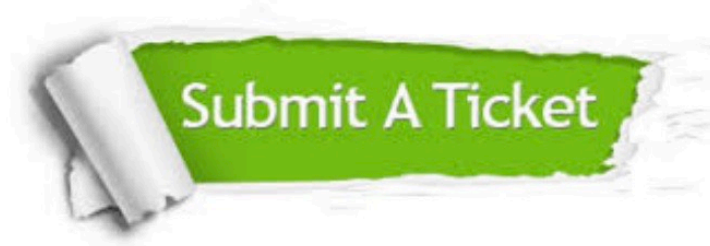
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