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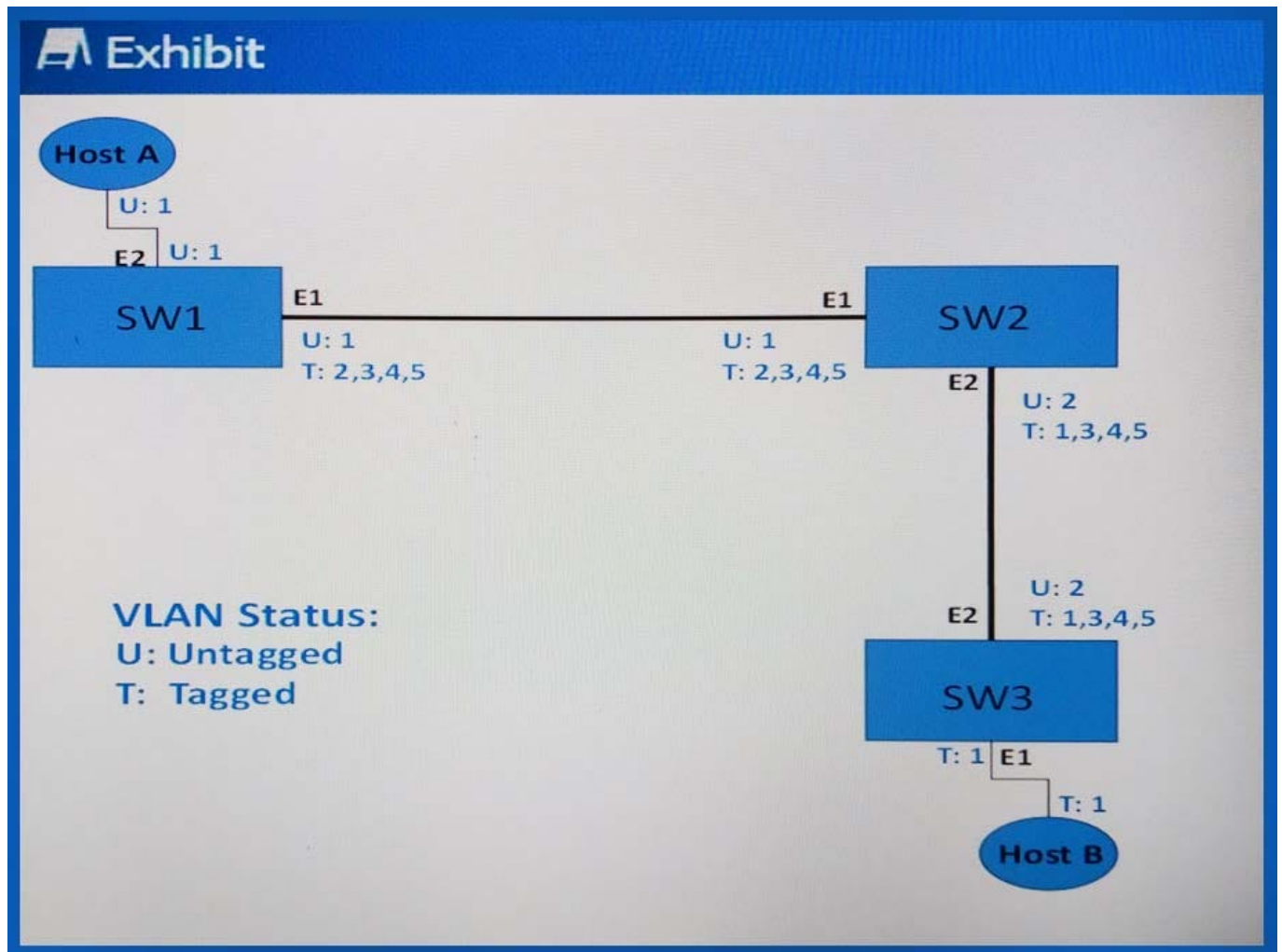
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QUESTION 1



Refer to the exhibit of the N-series switches.

The exhibit shows a Layer 2 network between Host A (a Desktop Computer running Windows 7) and Host B (another Desktop Computer running Windows 7) and the list of VLANs Untagged (U) and Tagged (T) at each Ethernet interface: Host A transmits an Ethernet frame untagged on VLAN 1.

What will happen to the Ethernet frame?

- A. SW2 drops the Ethernet frame when trying to transmit it out of interface E2 because the incoming and outgoing interfaces are Tagging/Untagging VLAN 1 differently.
- B. The Ethernet frame is successfully delivered to Host.
- C. STP drops the Ethernet frame because it cannot create an end-to-end loop free path between the switches for VLAN 1.
- D. VLAN consistency protocol determines that the VLAN is not correctly Tagged/Untagged on all interfaces, an error will occur, and SW1 will drop the frame on interface E2.

Correct Answer: B

**QUESTION 2**

Which three components can be used to deploy 10GbE N-Series switches in a user-port stack configuration? (Choose three.)

- A. SAS Cables
- B. Standard Ethernet Cables
- C. Dedicated stacking modules
- D. TwinAx Cables
- E. Optical Transceivers

Correct Answer: ADE

QUESTION 3

A network engineer is doing software updates on a C9010 chassis and Port Extenders. The engineer updates the Operating System and boot flash images. Some PoE ports are NOT working. The engineer needs to complete the following updates so that all PoE ports work.

- PoE Controller
- FPGA
-

CPLD

In which order should the engineer complete the updates so that all PoE ports work?

- A.
 1. Upgrade the PoE Controller.
 2. Upgrade the CPLD image on attached PEs.
 3. Upgrade the FPGA and CPLD images on C9010 RPMs and line cards.
- B.
 1. Upgrade the PoE Controller on attached PEs.
 2. Upgrade the FPGA and CPLD images on C9010 RPMs and line cards.
 3. Upgrade the CPLD image on attached PEs.
- C.
 1. Upgrade the FPGA and CPLD images on C9010 RPMs and line cards.
 2. Upgrade the CPLD image on attached PEs.
 3. Upgrade the PoE controller on attached PEs.
- D.
 1. Upgrade the CPLD image on attached PEs.
 2. Upgrade the FPGA and CPLD images on C9010 RPMs and line cards.
 3. Upgrade the PoE controller on attached PEs.



Correct Answer: D

QUESTION 4

Which three properties are required for two OSPF router interfaces to establish a neighbor relationship? (Choose three.)

- A. Router interfaces must have the same OSPF timers.
- B. Router interfaces must be on a point-to-point network.
- C. Router interfaces must be in the same area.
- D. Router interfaces must use the same OSPF process ID.
- E. Router interfaces must be on the same primary IP subnet.

Correct Answer: ACE

QUESTION 5

What are three characteristics of port-based VLANs on S-Series switches? (Choose three.)

- A. FTOS supports 4093 port-based VLANs and one default VLAN.
- B. Untagged interfaces do not need to be part of a VLAN.
- C. Port-based VLANs should only be used in large-scale deployments.
- D. Port-based VLANs offer increased security for traffic, conserve bandwidth, and allow switch segmentation.
- E. Different VLANs do not communicate with each other unless IP routing is configured.
- F. FTOS supports 4094 port-based VLANs and one default VLAN.

Correct Answer: ADE

QUESTION 6



```
C:\Users\Admin>
C:\Users\Admin>ipconfig /all

Windows IP Configuration

Host Name . . . . . : Campus01-PC7-PC
Primary Dns Suffix . . . . . :
Node Type . . . . . : Hybrid
IP Routing Enabled. . . . . : No
WINS Proxy Enabled. . . . . : No

Ethernet adapter Wireless LAN:

Connection-specific DNS Suffix . :
Description . . . . . : Intel(R) PRO/1000 MT Network Connection #
2
Physical Address. . . . . : 00-50-56-A8-08-54
DHCP Enabled. . . . . : No
Autoconfiguration Enabled . . . . : Yes
Link-local IPv6 Address . . . . . : fe80::e0b4:3e84:262a:1619%13(Preferred)
IPv4 Address. . . . . : 192.168.20.101(Preferred)
Subnet Mask . . . . . : 255.255.255.0
Default Gateway . . . . . : fe80::17:c5ff:fed8:b840%13
DNS Servers . . . . . : fec0:0:0:ffff::1%1
                       fec0:0:0:ffff::2%1
                       fec0:0:0:ffff::3%1
NetBIOS over Tcpip. . . . . : Enabled

Ethernet adapter Public LAN:

Connection-specific DNS Suffix . :
Description . . . . . : Intel(R) PRO/1000 MT Network Connection
Physical Address. . . . . : 00-50-56-A8-F4-4A
DHCP Enabled. . . . . : No
Autoconfiguration Enabled . . . . : Yes
Link-local IPv6 Address . . . . . : fe80::248b:ae27:4a60:c510%11(Preferred)
IPv4 Address. . . . . : 192.168.13.101(Preferred)
Subnet Mask . . . . . : 255.255.255.0
Default Gateway . . . . . :
DHCPv6 IAID . . . . . : 234901590
DHCPv6 Client DUID. . . . . : 00-01-00-01-1C-DA-F1-05-00-50-56-A8-F4-4A
DNS Servers . . . . . : fec0:0:0:ffff::1%1
                       fec0:0:0:ffff::2%1
                       fec0:0:0:ffff::3%1
NetBIOS over Tcpip. . . . . : Enabled

Tunnel adapter isatap.{D3A78BDE-CDFF-46E0-A987-8C9B434F09AC}:

Media State . . . . . : Media disconnected
Connection-specific DNS Suffix . :
Description . . . . . : Microsoft ISATAP Adapter
Physical Address. . . . . : 00-00-00-00-00-00-E0
DHCP Enabled. . . . . : No
Autoconfiguration Enabled . . . . : Yes

C:\Users\Admin>
```



```
n4032a#show mac address-table
Aging time is 300 Sec

Vlan      Mac Address      Type      Port
-----
1         000B.866E.A1DC    Dynamic   Te1/0/11
1         000B.866E.A1DD    Dynamic   Te1/0/11
1         0017.C5D8.B840    Dynamic   Te1/0/15
1         001A.1E00.4CC8    Dynamic   Te1/0/13
1         001A.1E00.4CC9    Dynamic   Te1/0/13
1         001A.1E00.4D28    Dynamic   Te1/0/12
1         0217.C5D8.B840    Dynamic   Te1/0/15
1         90B1.1CF4.3518    Dynamic   Te1/1/4
1         90B1.1CF4.35C6    Dynamic   Te1/1/2
1         F8B1.5632.AD83    Dynamic   Te1/0/6
1         F8B1.564D.A082    Dynamic   Te1/0/14
1         F8B1.5654.3E48    Management V11

Total MAC Addresses in use: 12

n4032a#
```

Refer to the exhibits.

A network engineer has worked with PC support to install a new PC. After correctly configuring the PC's interfaces with valid IP addresses, the PC is not able to ping other devices on the 192.168.13.0/24 network.

The output from the PC after executing the command `ipconfig /all` is below:

The network engineer executes the command `show mac address-table` on the N-series switch to which the PC is connected.

The output of the `show mac address-table` command is below.

What are two reasons that the PC is unable to ping other devices? (Choose two.)

- A. The ARP table is corrupt on the PC and is not allowing the PC to register its MAC address with the switch.
- B. The default gateway needs to be configured for the network 192.168.13.0/24 to ping devices on the 192.168.13.0/24 network.
- C. The switch has not seen traffic from the PC and does not have an entry in the mac address table for the PC.
- D. The switch is not registering MAC addresses in the MAC address table and needs to be reset.
- E. The port on the N-Series switch that the PC is connected to is shut down.

Correct Answer: AC

QUESTION 7



A network engineer needs to apply Layer 2 port security on an existing N-Series switch. The customer wants to prevent end-users from plugging in their personal laptop in a LAN port at their desk. The company has confirmed that they want to hardset the security to ensure that security only applies to company-supplied computers. The customer has confirmed that computers will not be moving from desk to desk. A total of 10 systems are currently connected. The customer has stated that all switchports must be configured as well. If any other device is plugged in, there will be no network connectivity.

Which additional information must be provided to the engineer to meet the deployment guidelines?

- A. the media access control addresses of all devices connected to the switch
- B. the dot1p values for all devices connected to the switch
- C. the Internet Protocol addresses of all devices connected to the switch
- D. the fully qualified domain names of all devices connected to the switch

Correct Answer: A

QUESTION 8

A network engineer removes a new Dell Networking N-Series switch from the original shipping container and initially configures STP on the switch. While the engineer is working on another task, another individual modifies the VLAN 1 STP priority to 61440, and has saved to the startup configuration.

Which command should be issued to return the switch to the default STP priority value for VLAN 1?

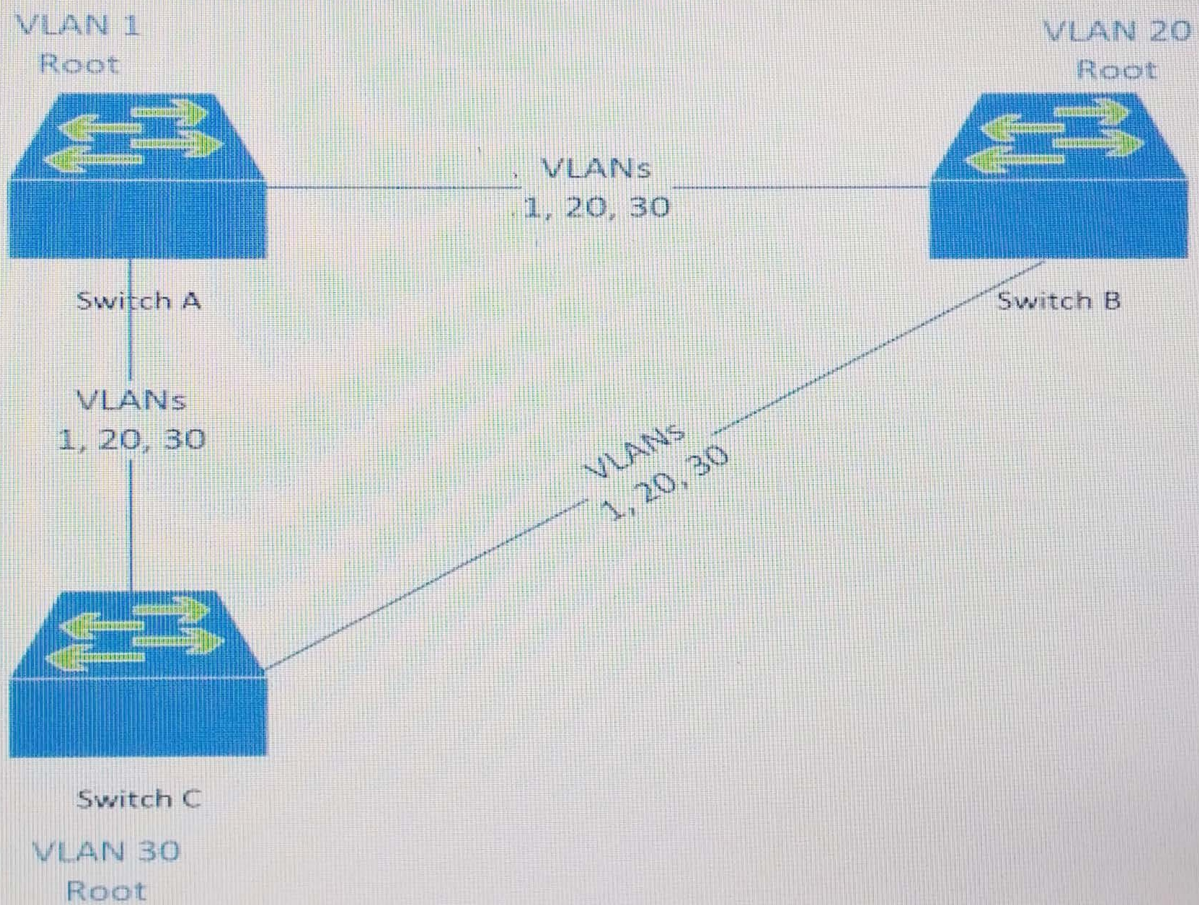
- A. `console(config)#spanning-tree priority 4096`
- B. `console(config)#spanning-tree priority 16384`
- C. `console(config)#spanning-tree priority 32768`
- D. `console(config)#spanning-tree priority 65536`

Correct Answer: C

QUESTION 9



Exhibit



Refer to the exhibit.

The deployment engineer needs to use rapid PVST+ so that some traffic is forwarding on all inter-switch links on these three N-Series Switches. To do so, each switch has been set to the lowest spanning-tree priority value for one of the VLANs.

Given the labeled diagram shown, what Spanning-Tree Priority is Switch B advertising for VLAN 20?

- A. 4096
- B. 0
- C. 32788
- D. 4116



Correct Answer: B

QUESTION 10

In an OSPF network, what happens if the OSPF Priority level is set to "0"?

- A. The switch does not become an active BDR or DR.
- B. The switch becomes the BDR in the OSPF routing topology.
- C. The switch becomes the DR in the OSPF routing topology.
- D. The switch does not participate as a member in the OSPF network.

Correct Answer: A

QUESTION 11

The network engineer has two Dell Networking switches: an N-Series and an S-Series. Both switches have the factory default configuration. Which phrase correctly describes the current state of spanning-tree on both switches?

- A. S-Series Globally DisabledN-Series Globally Disabled
- B. S-Series Globally EnabledN-Series Globally Disabled
- C. S-Series Globally EnabledN-Series Globally Enabled
- D. S-Series Globally DisabledN-Series Globally Enabled

Correct Answer: D

QUESTION 12

The network engineer powers on a new S-Series switch. None of the devices connected to this new switch are responding to pings.

Which two conditions should the network engineer verify? (Choose two.)

- A. an ARP table is configured
- B. the switch has a default Gateway
- C. ports are not shut down
- D. OSPF is enabled
- E. ports are in switchport mode

Correct Answer: AC

**QUESTION 13**

By default, how often are Bridge Protocol Data Units (BPDUs) sent with reference to 802.1w?

- A. every 15 seconds
- B. every 2 seconds
- C. every 5 seconds
- D. every 30 seconds

Correct Answer: B

QUESTION 14

Refer to the exhibit.

A network engineer is called onsite to troubleshoot replication failure and traffic loss. Whenever replication occurs between SAN A and SAN B, users report traffic loss between sites, and replication ultimately fails due to traffic loss.

Based on the topology shown, what is the most likely cause of the traffic loss?

- A. Traffic needs to be policed on the site border routers.
- B. An inbound policy map needs to be defined on the site border that marks the replication traffic with a DSCP value of 46.
- C. An outbound policy map needs to be defined on the site border that marks the replication traffic with a DSCP value of 46.
- D. Traffic needs to be shaped on the site border routers.

Correct Answer: C



QUESTION 15



Exhibit

```
Switch1# show vlt brief
VLT Domain Brief
-----
Domain ID:                15
Role:                     Secondary
Role Priority:             32768
ICL Link Status:          Up
HeartBeat Status:         Down
VLT Peer Status:          Up
Local Unit ID:            1
Version:                  5(1)
Local System Mac Address: 00:01:e8:8a:e9:70
Remote System MAC address: 00:01:e8:8a:e7:70
Configured System MAC address: 01:01:02:02:15:15
Remote system version:    5(1)
Delay-Restore timer:      6
```



Refer to the exhibit.

Two S-Series switches are configured as a VLT pair. The output from the first peer switch is as shown.

Which three results can be determined based on the output shown? (Choose three.)

- A. The command back-up destination command has been applied but there is no IP- reachability for Backup-Link connectivity between Peers.
- B. VLTs downstream to other devices will not form because the versions are the same for both VLT peers.
- C. The domain ID was automatically created based on the System MA.
- D. The VLTi peer-link has not been created between the two VLT peers.
- E. The System Mac was statically defined by an administrator, and all downstream switches only see this MAC address.
- F. The restoration of VLT ports after a system has been rebooted has been manually configured.

Correct Answer: AEF

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