



# DES-5121<sup>Q&As</sup>

Specialist - Implementation Engineer - Campus Networking Exam

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**QUESTION 1**

When configuring a Dell EMC N-Series switch for VoIP and QoS, what is one QoS setting that ensures voice traffic is prioritized in the presence of other network traffic?

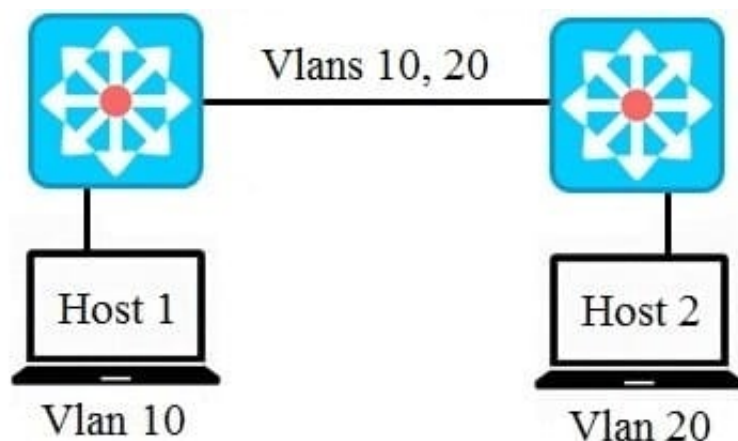
- A. LLDP protocol setting
- B. ISDP protocol setting
- C. Classification setting
- D. VLAN spanning tree setting

Correct Answer: C

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**QUESTION 2**

Refer to the Exhibit.



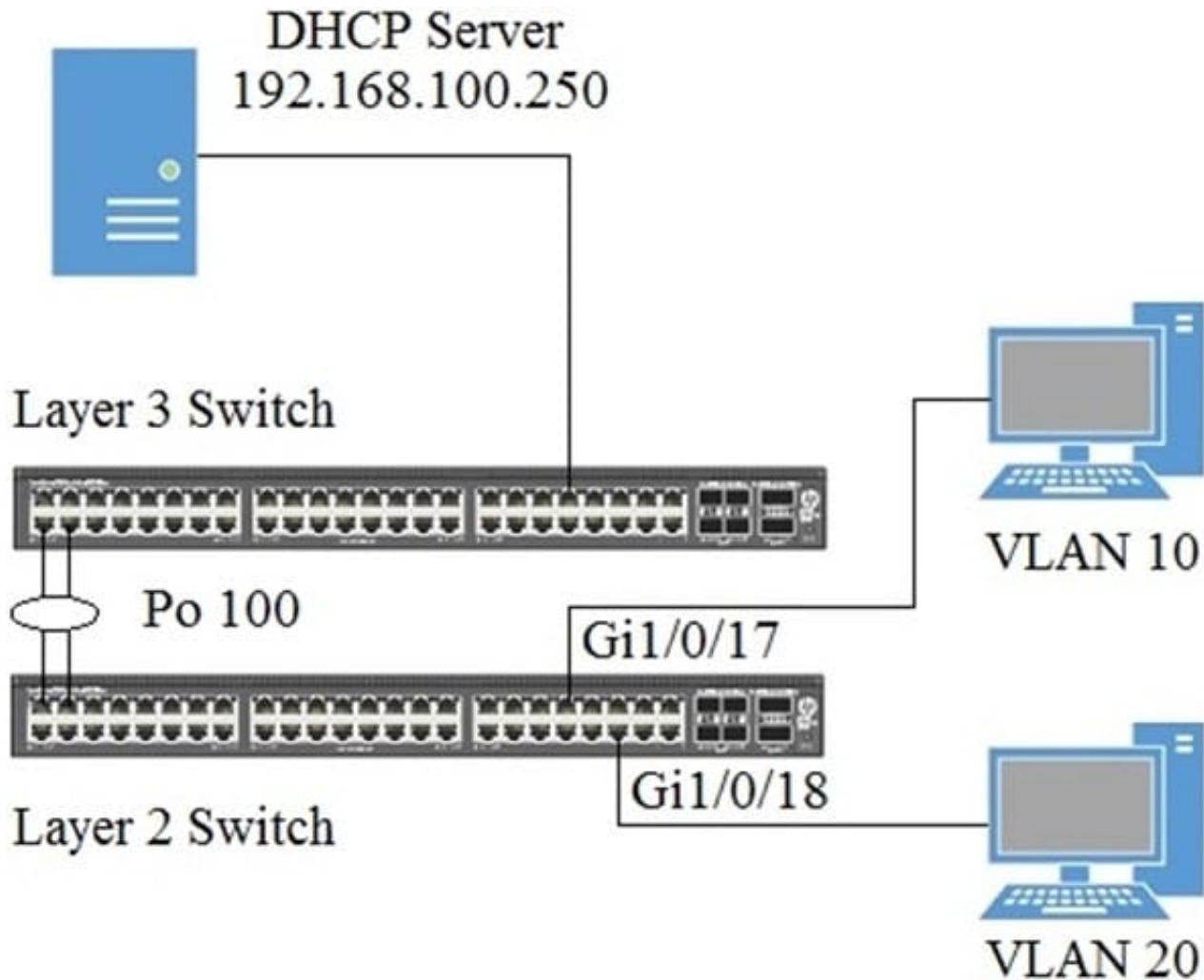
A network administrator needs to configure the switches to allow traffic to communicate from Host 1 to Host 2. Which recommended switch port mode should the interconnecting switch ports be configured?

- A. Access
- B. Trunk
- C. VLAN Stacking
- D. Hybrid

Correct Answer: B

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**QUESTION 3**



Based on the exhibit, which configuration on interface Gi1/0/18 will allow the DHCP request to reach the DHCP server for the specified VLAN?

- A. Configuration A: console(config-if-Gi1/0/18)# switchport mode general console(config-if-Gi1/0/18)# switchport general pvid 20 console(config-if-Gi1/0/18)# switchport general allowed vlan add 20 console(config-if-Gi1/0/18)# switchport general allowed vlan remove 1
- B. Configuration B: console(config-if-Gi1/0/18)# switchport access vlan 10 console(config-if-Gi1/0/18)# service-policy in dhcp\_250 console(config-if-Gi1/0/18)# switchport general allowed vlan add 20 console(config-if-Gi1/0/18)# switchport general allowed vlan remove 1
- C. Configuration C: console(config-if-Gi1/0/18)# switchport access vlan 10 console(config-if-Gi1/0/18)# ip dhcp snooping trust console(config-if-Gi1/0/18)# switchport general allowed vlan add 20 console(config-if-Gi1/0/18)# switchport general allowed vlan remove 1
- D. Configuration D: console(config-if-Gi1/0/18)# channel-group 100 mode active console(config-if-Gi1/0/18)# switchport access vlan 250 console(config-if-Gi1/0/18)# switchport general allowed vlan add 20 console(config-if-Gi1/0/18)# switchport general allowed vlan remove 1

Correct Answer: A

#### QUESTION 4



A customer is upgrading their campus network Access layer switches. They require 2-10GbE uplinks, 48-1GbE ports with PoE, and stacking capability of up to 12 units. Which Dell EMC N-Series model will meet the customer's requirements?

- A. N1100 Series
- B. N1500 Series
- C. N2000 Series
- D. N4000 Series

Correct Answer: C

Reference: [https://www.dellemc.com/resources/en-us/asset/data-sheets/products/networking/dell\\_emc\\_powerswitch\\_n2000\\_series\\_specsheet.pdf](https://www.dellemc.com/resources/en-us/asset/data-sheets/products/networking/dell_emc_powerswitch_n2000_series_specsheet.pdf)

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### QUESTION 5

Which interface on a Dell EMC N-Series switch provides the most security for management?

- A. VLAN
- B. Ethernet
- C. Loopback
- D. Out-of-band

Correct Answer: D

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### QUESTION 6

A network administrator is planning a PoE budget for their network.

What is the PoE source maximum power budget for a Class 4 end device?

- A. 12.95 watts
- B. 15.4 watts
- C. 34.2 watts
- D. 60 watts

Correct Answer: C

Reference: [http://ftp.dell.com/manuals/all-products/esuprt\\_ser\\_stor\\_net/esuprt\\_networking/esuprt\\_net\\_fxdprt\\_swthcs/networking-n3000-series\\_User's-Guide10\\_en-us.pdf](http://ftp.dell.com/manuals/all-products/esuprt_ser_stor_net/esuprt_networking/esuprt_net_fxdprt_swthcs/networking-n3000-series_User's-Guide10_en-us.pdf) page 82

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### QUESTION 7



A network administrator is setting up a Class 5 powered device in their network. Which Dell EMC N-Serve switch model(s) will support this device?

- A. N1100P and N2000P
- B. N1500P
- C. N2000 and N3000P
- D. N3000P only

Correct Answer: C

### QUESTION 8

N4032F#show interfaces status

Port	Description	Duplex	Speed	Neg	Link State	Flow Ctrl	M	VLAN
Te1/0/5		Full	100	Off	Up	On	A	1
Te1/0/6		Full	1000	Off	Up	Off	A	1

Port Channel	Description	Link State	M	VLAN
Po1		Up	A	1

N4032F#show interfaces port-channel 1

Channel	Ports	Ch-Type	Hash Type	Min-Links	Local Prf	Rx Util	Tx Util
Po1	Active: Te1/0/5 Inactive: Te1/0/6	Dynamic	7	1	Disabled	0	0

Hash Algorithm Type 1 - Source MAC, VLAN, EtherType, source module and port Id 2 - Destination MAC, VLAN, EtherType, source module and port Id 3 - Source IP and source TCP/UDP port 4 - Destination IP and destination TCP/UDP port 5 - Source/Destination MAC, VLAN, EtherType, source MODID/port 6 - Source/Destination IP and source/destination TCP/UDP port 7 - Enhanced hashing mode

N4032F#

A Dell EMC N-Series switch has been configured with a 2-member port-channel; however, only one link is currently active.

Based on the exhibit, why is only one link active?

- A. Minimum links value for Po1 is set to "1"
- B. Hash algorithm is configured for active-passive
- C. Te1/0/6 interface is administratively disabled
- D. Speed setting is different between ports



Correct Answer: D

### QUESTION 9

#### DRAG DROP

What is the typical sequence of steps to upgrade the firmware of a Dell EMC N-Series switch?

Select and Place:

Copy the firmware image from the TFTP server to the switch	Step 1
Configure and start the TFTP server	Step 2
Update the boot code on the switch and reboot	Step 3
Backup the running-config to a TFTP server	Step 4
Select the new image for the next boot	Step 5

Correct Answer:

	Configure and start the TFTP server
	Backup the running-config to a TFTP server
	Copy the firmware image from the TFTP server to the switch
	Select the new image for the next boot
	Update the boot code on the switch and reboot



### QUESTION 10

What is a recommended configuration for an MLAG peer-link on a Dell EMC N-Series switch?

- A. Spanning tree must be disabled
- B. Spanning tree must be enabled
- C. Link must be a trunk port
- D. Link must contain multiple interfaces

Correct Answer: B

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### QUESTION 11

You are tasked with deploying a single Dell EMC N-Series switch with a 2-port port-channel to uplink to an existing upstream switch. The following reflects the upstream switch configuration:

```
N4032F#show running-config interface tengigabitethernet 1/0/5 channel-group 1 mode on
N4032F#show running-config interface tengigabitethernet 1/0/6 channel-group 1 mode on
```

Which type of port-channel should be configured to successfully uplink?

- A. Active
- B. MLAG
- C. Static
- D. Passive

Correct Answer: C

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### QUESTION 12

Which function does a VRRP backup router perform?

- A. Sends keepalive advertisements to the other backup routers
- B. Processes and responds to ARP requests
- C. Forwards packets to the Master with a destination IP of the virtual IP address
- D. Receives packets with the virtual MAC address as the destination for other backup routers

Correct Answer: D

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### QUESTION 13



How many untagged VLANs are allowed on a switchport mode trunk interface?

- A. 0
- B. 1
- C. 128
- D. 4096

Correct Answer: B

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#### QUESTION 14

A user's workstation is connected to an IP phone that is connected to a Dell EMC N-Series switch. Which type of traffic is typically tagged or untagged?

- A. Data = tagged, Voice = untagged
- B. Data = untagged, Voice = untagged
- C. Data = tagged, Voice = tagged
- D. Data = untagged, Voice = tagged

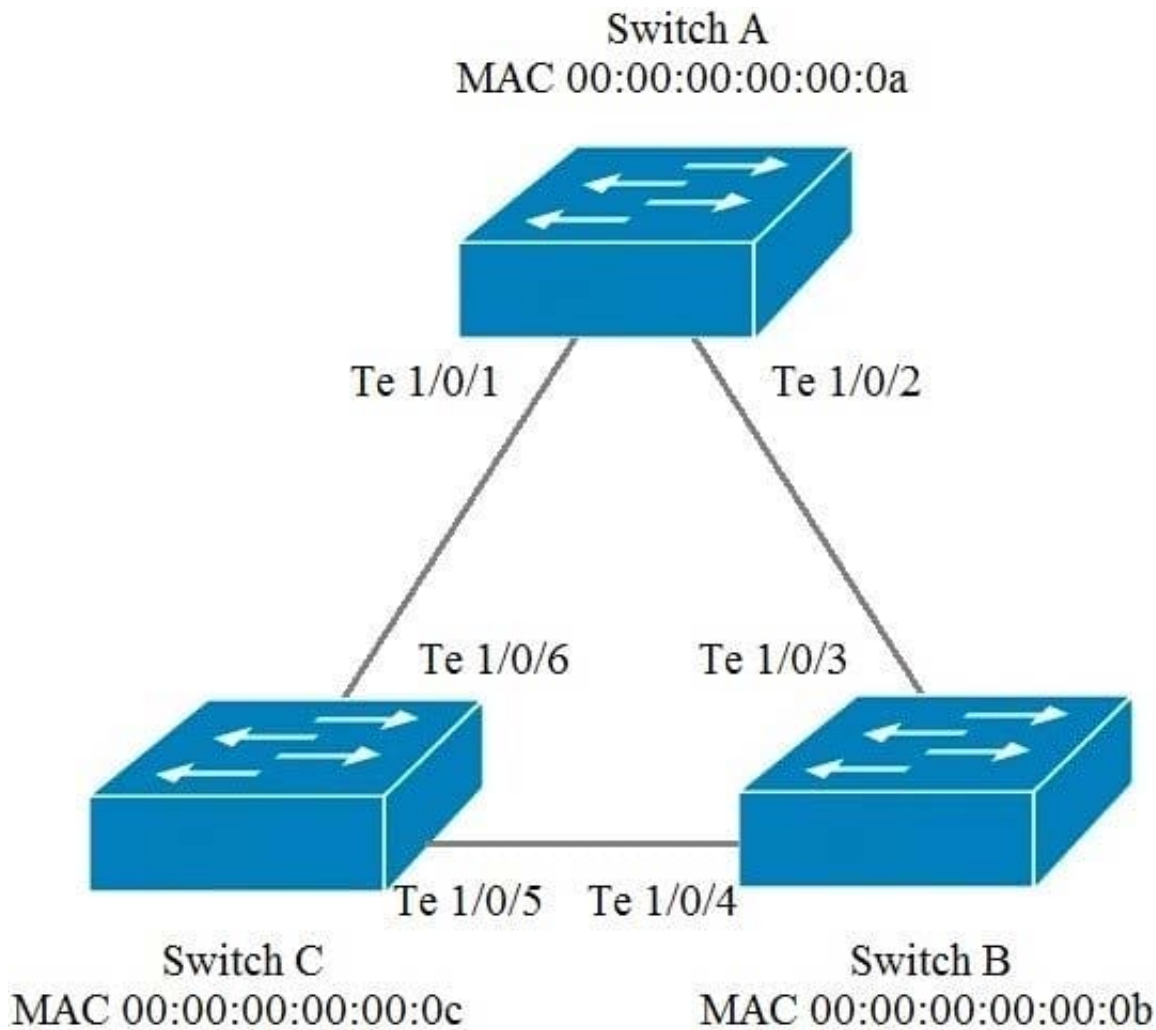
Correct Answer: D

Reference: <https://www.dell.com/support/article/en-us/how12385/how-to-enable-the-voice-vlan-feature-on-dell-emc-networking-n-series-switches?lang=en>

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#### QUESTION 15





The exhibit represents a topology with all Dell EMC N4000 Series switches with RSTP enabled. In addition, the switches are using the default configuration on all ports and protocols. Which port number will be blocked by spanning tree?

- A. Te 1/0/3
- B. Te 1/0/4
- C. Te 1/0/5
- D. Te 1/0/6

Correct Answer: C

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