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## Specialist - Implementation Engineer - Campus Networking Exam

EMC DES-5121

Version Demo

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## QUESTION NO: 1 - (DRAG DROP)

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 |

ANSWER:

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

**Explanation:**

## QUESTION NO: 2

In a PoE environment, what information does the Network Policy TLV exchange between the PSE and PD?

- A. Required Power, VLAN ID, and DSCP Value
- B. VLAN ID, IEEE Priority, and DSCP Value
- C. IEEE Priority, Required Power, and VLAN ID
- D. DSCP Value, Required Power, and IEEE Priority

**ANSWER: B**

**Explanation:**

Reference: [http://ftp.dell.com/manuals/all-products/esuprt\\_ser\\_stor\\_net/esuprt\\_networking/poweredge-m-io-aggregator\\_Concept-Guide4\\_en-us.pdf](http://ftp.dell.com/manuals/all-products/esuprt_ser_stor_net/esuprt_networking/poweredge-m-io-aggregator_Concept-Guide4_en-us.pdf) page 162

## QUESTION NO: 3

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

**ANSWER: D**

## QUESTION NO: 4

Which spanning tree feature will prevent unnecessary timeouts from DHCP servers?

- A. PortFast
- B. Loop Guard
- C. BPDU Flooding
- D. Root Guard

**ANSWER: A**

**Explanation:**

Reference: <https://www.dell.com/community/Networking-General/Advice-on-basic-STP-and-network-design/td-p/4434346>

**QUESTION NO: 5**

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<br>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

**ANSWER: D**

## QUESTION NO: 6

Which packet characteristics can policy-based routing be configured to match against?

- A. TTL, TCP Port, and L3 Packet Length
- B. L3 Packet Length, TTL, and 802.1p Priority
- C. TCP Port, L3 Packet Length, and 802.1p Priority
- D. TCP Port, TTL, and 802.1p Priority

**ANSWER: C**

## QUESTION NO: 7

A network administrator is setting up several stacks in their network that includes different Dell EMC N-Series models.

Which N-Series switch models require mini-SAS stacking cables?

- A. N1100 and N1500
- B. N1500 and N3000
- C. N2000 and N3000
- D. N3000 and N4000

**ANSWER: C**

### Explanation:

Reference: <https://cdn.cnetcontent.com/syndication/mediaserverredirect/c1ddae5629f69c40c5da9c0d36cb045f/original.pdf>

## QUESTION NO: 8

Which commands should a network administrator use to configure a RADIUS server on a Dell EMC N-Series switch?

- A. Switch-1(config)# radius 10.1.1.111  
Switch-1(config-radius)# name RADIUS-Server  
Switch-1(config-radius)# key secretkey

**B.** Switch-1(config)# radius server auth 10.1.1.111  
Switch-1(config-radius)# name RADIUS-Server  
Switch-1(config-radius)# key "secretkey"

**C.** Switch-1(config)# radius auth 10.1.1.111  
Switch-1(config-radius)# name "RADIUS-Server"  
Switch-1(config-radius)# key "secretKey"

**D.** Switch-1(config)# radius auth server 10.1.1.111  
Switch-1(config-radius)# name RADIUS-Server  
Switch-1(config-radius)# key "secretKey"

**ANSWER: B**

## QUESTION NO: 9

Which port security method converts existing dynamically learned MAC addresses on an interface to this mode and not age out?

- A. Static
- B. MAC address
- C. Sticky
- D. Dynamic

**ANSWER: D**

### Explanation:

Reference: <https://www.dell.com/support/manuals/us/en/04/networking-s4148f-on/smartfabric-os-user-guide-10-5-1/port-security?guid=guid-c27a9d47-ea59-48cc-b19d-90a9f6d52629&lang=enus>

## QUESTION NO: 10

A network administrator has configured a 4-port port-channel between two Dell EMC Campus networking switches. The physical interfaces show as administratively up and operationally up on both switches. However, the port-channel shows as operationally up on Switch A and operationally down on Switch B.

What is a potential reason for the inconsistent port-channel state?

- A. Switch A is configured to use dynamic port-channels and Switch B is configured to use static port-channels
- B. Ports in the port-channel on Switch A are all the same speed but the ports in the port-channel on Switch B are a mix of speeds
- C. Switch A is configured using channel-group # mode on and Switch B is configured using channel-group # mode auto

D. N-Series supports a maximum number of physical interfaces that can be included in port-channels on a per-device basis

**ANSWER: C**