

Dell DNDNS-200 Exam

Volume: 60 Questions

Question No: 1

Refer to the exhibit.

```
console#show power inline
Interface Admin Inline Power Inline Power Class Device PoE Port LLDP
Max / Alloc Consumed Type Priority Support
(Watts) (Watts)
-----
Gi 0/46 auto 15.40 / 0.00 0.00 NO_DEVICE - Low -
Gi 1/0 auto 15.40 / 0.00 0.00 NO_DEVICE - Low -
```

A customer has a C-Series chassis using a 48-port PoE+ line card. A workstation connected to Gi 0/47 passes traffic as expected. When the customer connects a PoE phone to the interface, the phone does NOT power up.

Which configuration should a network engineer set on the Gi 0/47 interface to provide power to the phone?

- A. console(conf-if-gi-0/47)#auto power inline
- B. console(conf-if-gi-0/47)#power inline on
- C. console(conf-if-gi-0/47)#power inline auto
- D. console(conf-if-gi-0/47)#power priority inline auto

Answer: C

Question No: 2

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 Disabled N-Series Globally Disabled
- B. S-Series Globally Enabled N-Series Globally Disabled
- C. S-Series Globally Enabled N-Series Globally Enabled
- D. S-Series Globally Disabled N-Series Globally Enabled

Answer: D

Question No: 3

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A network engineer has configured LACP on two connected S-Series switches. LACP is not formed for port Ten GigabitEthernet 0/72.

The network engineer has issued “show lacp” to debug the issue.

From the output shown, what are two likely reasons for this result? (Choose two.)

```
Dell# show lacp 91
Port-channel 91 admin up, oper up, mode lacp
LACP Fast Switch-Over Disabled
Actor System ID: Priority 32768, Address 90b1.1cf4.9a4a
Partner System ID: Priority 32768, Address 0001.e8a1.bfff
Actor Admin Key 91, Oper Key 91, Partner Oper Key 91, VLT Peer Oper Key 91
LACP LAG 91 is an aggregatable link
LACP LAG 91 is a VLT LAG
A - Active LACP, B - Passive LACP, C - Short Timeout, D - Long Timeout
E - Aggregatable Link, F - Individual Link, G - IN_SYNC, H - OUT_OF_SYNC
I - Collection enabled, J - Collection disabled, K - Distribution enabled
L - Distribution disabled, M - Partner Defaulted, N - Partner Non-defaulted,
O - Receiver is in expired state, P - Receiver is not in expired state

Port Te 0/68 is enabled, LACP is enabled and mode is lacp
Port State: Bundle
  Actor Admin: State ACEHJLMP Key 91 Priority 32768
    Oper: State ACEGIKNP Key 91 Priority 32768
  Partner Admin: State BDFHJLMP Key 0 Priority 0
    Oper: State ACEGIKNP Key 91 Priority 32768
Port Te 0/72 is disabled, LACP is disabled and mode is lacp
Port State: Not in Bundle
  Actor Admin: State ACEHJLMP Key 91 Priority 32768
    Oper: State ACEHJLMP Key 91 Priority 32768
  Partner is not present
Port Te 0/80 is enabled, LACP is enabled and mode is lacp
Port State: Bundle
  Actor Admin: State ACEHJLMP Key 91 Priority 32768
    Oper: State ACEGIKNP Key 91 Priority 32768
  Partner Admin: State BDFHJLMP Key 0 Priority 0
Oper: State ACEGIKNP Key 91 Priority 32768
```

- A. Peer port-channel is configured in passive mode.
- B. Link speed of the port is different.
- C. MTU of the port is different from the channel members.
- D. Peer port-channel protocol is configured differently.
- E. Peer port-channel priority configured is zero.
- F. Peer port-channel key is configured differently.

Answer: D,F

Question No: 4

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Refer to the exhibit.

```
console#show interfaces tengigabitethernet 0/1
TenGigabitEthernet 0/1 is up, line protocol is up
Description: HOST_FACING_INTERFACE
Hardware is DellForce10Eth, address is 00:01:e8:6f:1d:41
  Current address is 00:01:e8:6f:1d:41
Pluggable media present, SFP+ type is 10GBASE-SR
  Medium is MultiRate, Wavelength is 850nm
  SFP+ receive power reading is -4.4141dBm
Interface index is 18416642
Internet address is not set
Mode of IPv4 Address Assignment : NONE
DHCP Client-ID :0001e88b457c
MTU 12000 bytes, IP MTU 11982 bytes
LineSpeed 10000 Mbit
Flowcontrol rx off tx off
ARP type: ARPA, ARP Timeout 04:00:00
Last clearing of "show interface" counters 01:58:29
Queueing strategy: fifo

console#show interfaces tengigabitethernet 0/2
TenGigabitEthernet 0/2 is up, line protocol is up
Description: ARRAY_FACING_INTERFACE
Hardware is DellForce10Eth, address is 00:01:e8:6f:1d:42
  Current address is 00:01:e8:6f:1d:42
Pluggable media present, SFP+ type is 10GBASE-SR
  Medium is MultiRate, Wavelength is 850nm
  SFP+ receive power reading is -3.9126dBm
Interface index is 18418642
Internet address is not set
Mode of IPv4 Address Assignment : NONE
DHCP Client-ID :0001e88b457c
MTU 12000 bytes, IP MTU 11982 bytes
LineSpeed 10000 Mbit
Flowcontrol rx off tx off
ARP type: ARPA, ARP Timeout 04:00:00
Last clearing of "show interface" counters 01:58:36
Queueing strategy: fifo

console#show run interface vlan 100
!
interface Vlan 100
  description ISCSI VLAN
  no ip address
  mtu 9252
  tagged TenGigabitEthernet 5/1-2
  shutdown
```

A customer has a SAN deployment consisting of a single Dell server and Equallogic storage array on a segregated VLAN communicating over a C9010. The storage arrays are reporting excessive ISCSI retransmits.

Which configuration change should a network engineer apply to resolve this issue?

- A. Flow control needs to be configured for 'flow control rx on tx off' on the host and array-facing interfaces.
- B. Flow control needs to be configured for 'flow control rx on tx on' on the host and array-facing interfaces.
- C. MTU size needs to be configured for 12000 on the ISCSI VLAN.
- D. MTU size needs to be configured for 9252 on the host and array-facing interfaces.

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Answer: B

Question No: 5

A network engineer is verifying the configuration of a LAG connection on an S-Series switch. Which two commands should the network engineer use to determine the operation of the LAG? (Choose two.)

- A. show lacp <interface>
- B. show interface <port-channel number>
- C. show port-channel-flow <interface>
- D. show uplink-state-group <port-channel number>

Answer: A,B

Question No: 6

Refer to the exhibits.

```
Exhibit 1

Switch 1 Output:
Dell1#ping 192.168.1.2
Type Ctrl-C to abort.
Sending 5, 100-byte ICMP Echos to 192.168.1.2, timeout is 2 seconds:
.....
Success rate is 0.0 percent (0/5)

Dell1#show vlan
Codes: * - Default VLAN, G - GVRP VLANs, R - Remote Port Mirroring VLANs, P - Primary,
C - Community, I -Isolated
O - OpenFlow
Q: U - Untagged, T - Tagged
x - Dot1x untagged, X - Dot1x tagged
o - OpenFlow untagged, O - OpenFlow tagged
G - GVRP tagged, M - Vlan-stack, H - VSN tagged
i - Internal untagged, I - Internal tagged, v - VLT untagged, V - VLT tagged

  NUM    Status    Description                               Q Ports
  *-----
   1      Inactive
   22     Inactive
   30     Active
  100     Inactive

                                T Te 0/21
                                U Te 0/12-13
                                T Te 0/20

Dell1#show running-config interface vlan 30
!
interface Vlan 30
 ip address 192.168.1.1/24
 tagged TenGigabitEthernet 0/21
 untagged TenGigabitEthernet 0/12-13
 no shutdown
```

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Exhibit 2

```
Switch 2 Output:
Dell2#show vlan
Codes: * - Default VLAN, G - GVRP VLANs, R - Remote Port Mirroring VLANs, P - Primary,
C - Community, I - Isolated
O - OpenFlow
Q: U - Untagged, T - Tagged
x - Dot1x untagged, X - Dot1x tagged
o - OpenFlow untagged, O - OpenFlow tagged
G - GVRP tagged, M - Vlan-stack, H - VSN tagged
I - Internal untagged, I - Internal tagged, v - VLT untagged, V - VLT tagged

  NUM   Status   Description           Q Ports
  ---   -
  1     Active
  30    Active
  100   Inactive
  1017  Active

          U Te 0/1-32
          T Te 0/43
          U Te 0/44
          T Te 0/1-32

Dell2#show running-config interface vlan 30
interface Vlan 30
 ip address 192.168.1.2/24
 tagged TenGigabitEthernet 0/43
 untagged TenGigabitEthernet 0/44
 no shutdown
```

A networking engineer is unable to ping from VLAN 30 across two S-Series switches. Port 13 on switch Dell1 and Port 43 on switch Dell2 both have a link status of up. Why does the ping fail between the two switches?

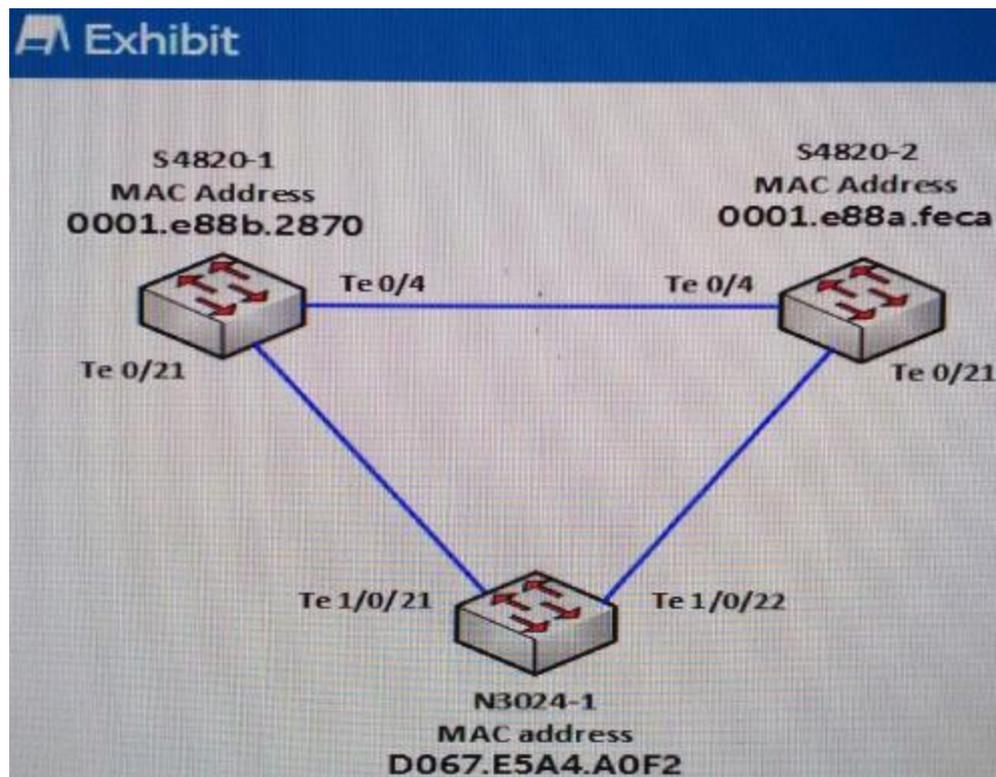
- A. Dell1 switch VLAN 30 interface is down.
- B. Dell2 switch VLAN 30 interface is down.
- C. Dell2 switch port 44 is misconfigured as Untagged.
- D. Dell2 switch port 43 is misconfigured as Tagged.

Answer: D

Question No: 7

Refer to the exhibit.

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On switch S4820-1, commands are entered. The associated output is as shown.

```
S4820-1#show spanning-tree pvst vlan 2
VLAN 2
Root Identifier has priority 32768, Address 001.e88a.feca
Root Bridge hello time 2, max age 20, forward delay 15
Bridge Identifier has priority 32768, Address 0001.e88b.2870
Configured hello time 2, max age 20, forward delay 15
Current root has priority 32768, Address 0001.e88a.feca
Number of topology changes 2, last change occurred 00:08:11 ago on Te 0/21
S4820-1#show spanning-tree pvst vlan 3
VLAN 3
Root Identifier has priority 32768, Address 0001.e88a.feca
Root Bridge hello time 2, max age 20, forward delay 15
Bridge Identifier has priority 32768, Address 0001.e88b.2870
Configured hello time 2, max age 20, forward delay 15
Current root has priority 32768, Address 001.e88a.feca
Number of topology changes 2, last change occurred 00:09:43 ago on Te 0/21
```

A network engineer enters the following command:

```
S4820-1 (conf-pvst)#vlan 2 bridge-priority 4096
```

What correctly defines the state of the Root Bridge for VLAN 2 and VLAN 3?

- A. VLAN 2 Root Bridge - S4820-2 VLAN 3 Root Bridge - S4820-2
- B. VLAN 2 Root Bridge - S4820-2 VLAN 3 Root Bridge - S4820-1

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C. VLAN 2 Root Bridge - S4820-1VLAN 3 Root Bridge - S4820-1

D. VLAN 2 Root Bridge - S4820-1VLAN 3 Root Bridge - S4820-2

Answer: B

Question No: 8

Two Dell S-Series Switches are directly connected.

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```
SW 1:
interface TenGigabitEthernet 0/37
  ip address 100.1.2.1/30
  no shutdown
SW 2:
interface TenGigabitEthernet 0/39
  ip address 100.1.2.5/30
  no shutdown
Dell-1#show int te 0/39
TenGigabitEthernet 0/39 is up, line protocol is up
Hardware is Delleth, address is 00:01:e8:8b:3d:e1
  Current address is 00:01:e8:8b:3d:e1
Pluggable media present, SFP+ type is 10GBASE-CU2M
  Medium is Twinax Copper
Interface index is 1053572
Internet address is 100.1.2.5/30
Mode of IPv4 Address Assignment : MANUAL
DHCP CLient-ID(61): 0001e88b3de1
MTU 1554 bytes, IP MTU 1500 bytes
LineSpeed 10000 Mbit
Flowcontrol rx off tx off
ARP type: ARPA, ARP Timeout 04:00:00
Last clearing of "show interface" counters 08:46:01
Queuing strategy: fifo
Input Statistics:
  348 packets, 22812 bytes
  338 64-byte pkts, 10 over 64-byte pkts, 0 over 127-byte pkts
  0 over 255-byte pkts, 0 over 511-byte pkts, 0 over 1023-byte pkts
  330 Multicasts, 7 Broadcasts, 11 Unicasts
  0 runts, 0 giants, 0 throttles
  0 CRC, 0 overrun, 0 discarded
Output Statistics:
  396 packets, 27682 bytes, 0 underruns
  343 64-byte pkts, 53 over 64-byte pkts, 0 over 127-byte pkts
  0 over 255-byte pkts, 0 over 511-byte pkts, 0 over 1023-byte pkts
  373 Multicasts, 12 Broadcasts, 11 Unicasts
  0 throttles, 0 discarded, 0 collisions, 0 wredrops
Rate info (interval 299 seconds):
  Input 00.00 Mbits/sec,    0 packets/sec, 0.00% of line-rate
  output 00.00 Mbits/sec,   0 packets/sec, 0.00% of line-rate
Time since last interface status change: 02:50:53
Dell-2#show int te 0/37
TenGigabitEthernet 0/37 is up, line protocol is up
Hardware is Delleth, address is 00:01:e8:8b:3e:44
  Current address is 00:01:e8:8b:3e:44
Pluggable media present, SFP+ type is 10GBASE-CU2M
  Medium is Twinax Copper
Interface index is 1053316
Internet address is 100.1.2.1/30
Mode of IPv4 Address Assignment : MANUAL
DHCP Client-ID(61): 0001e88b3e44
MTU 1500 bytes, IP MTU 1482 bytes
LineSpeed 10000 Mbit
Flowcontrol rx off tx off
ARP type: ARPA, ARP Timeout 04:00:00
Last clearing of "show interface" counters 2d2h6m
Queuing strategy: fifo
Input Statistics:
  610 packets, 42128 bytes
  542 64-byte pkts, 68 over 64-byte pkts, 0 over 127-byte pkts
```

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Which statement describes what will happen when a ping is sent from Dell-1 to Dell-2?

- A. Ping will not work because of MTU Mismatch.
- B. Ping will not work because of IP Network Mismatch.
- C. LLDP shows 0/37 is connected to 0/39 and pings will be successful.
- D. Link is Operationally up; therefore, pings will work.

Answer: B

Question No: 9

Refer to the exhibit.

```
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
```

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.

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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.

Answer: A,E,F

Question No: 10

Refer to the exhibits of the S-Series switch.

A networking engineer is unable to pass traffic across interface port 13 and 43 for Dell1 and Dell2 ,Series switches, respectively.

Based on the exhibit, what is the problem with the configuration for the switches?

Exhibit 1

Switch 1 Output:

```
Dell1#show vlan
```

```
Codes: * - Default VLAN, G - GVRP VLANs, R - Remote Port Mirroring VLANs,  
P - Primary, C - Community, I - Isolated, O - Openflow
```

```
Q: U - Untagged, T - Tagged
```

```
x - Dot1x untagged, X - Dot1x tagged
```

```
o - OpenFlow untagged, O - OpenFlow tagged
```

```
G - GVRP tagged, M - Vlan-stack, H - VSN tagged
```

```
i - Internal untagged, I - Internal tagged
```

```
v - VLT untagged, V - VLT tagged
```

	NUM	Status	Description	Q Ports
*	1	Active		U Te 0/13,21
	22	Inactive		
	30	Inactive		T Te 0/21 U Te 0/12
	100	Inactive		T Te 0/20

```
Dell1#Show interfaces switchport te 0/13
```

```
Codes: U - Untagged, T - Tagged
```

```
x - Dot1x untagged, X - Dot1x tagged
```

```
G - GVRP tagged, M - Trunk, H - VSN tagged
```

```
i - Internal untagged, I - Internal tagged,
```

```
v - VLT untagged, V - VLT tagged
```

```
Name: TenGigabitEthernet 0/13
```

```
802.1QTagged: False
```

```
Vlan membership:
```

```
Q Vlans
```

```
U 1
```