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QUESTION 1

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
```

Refer to the exhibit.

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. Flowcontrol needs to be configured for `flowcontrol rx on tx off\\' on the host and array- facing interfaces.

B. Flowcontrol needs to be configured for `flowcontrol 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.

Correct Answer: B

QUESTION 2

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

QUESTION 3

Exhibit 1

```
switch-1#show interfaces TenGigabitEthernet 0/1
TenGigabitEthernet 0/1 is up, line protocol is up
Hardware is DellForce10Eth, address is 00:01:e8:d6:b0:ee
    Current address is 00:01:e8:d6:b0:ee
Pluggable media present, SFP+ type is 10GBASE-SR
    Medium is MultiRate, Wavelength is 850nm
    SFP+ receive power reading is -2.9576dBm
Interface index is 36242434
Internet address is not set
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 1w1d22h
Queueing strategy: fifo
Input Statistics:
     4620896 packets, 785703597 bytes
     737906 64-byte pkts, 1162900 over 64-byte pkts, 2140612 over 127-byte pkts
     523248 over 255-byte pkts, 13937 over 511-byte pkts, 42293 over 1023-byte pkts
     441696 Multicasts, 17364 Broadcasts
     0 runts, 0 giants, 0 throttles
     0 CRC, 0 overrun, 0 discarded
Output Statistics:
     5357043 packets, 819466699 bytes, 0 underruns
     1147812 64-byte pkts, 1153638 over 64-byte pkts, 2471320 over 127-byte pkts
     549463 over 255-byte pkts, 16720 over 511-byte pkts, 18090 over 1023-byte pkts
     974504 Multicasts, 29352 Broadcasts, 4353187 Unicasts
     0 throttles, 0 discarded, 0 collisions, 0 wreddrops
Rate info (interval 299 seconds):
     Input 00.00 Mbits/sec,          6 packets/sec, 0.00% of line-rate
     Output 00.00 Mbits/sec,          7 packets/sec, 0.00% of line-rate
Time since last interface status change: 1w1d22h
```

Exhibit 2 ✕

```
switch-2#show interfaces TenGigabitEthernet 0/1
TenGigabitEthernet 0/1 is up, line protocol is up
Hardware is DellForce10Eth, address is 00:01:e8:8b:45:7c
    Current address is 00:01:e8:8b:45:7c
Pluggable media present, SFP+ type is 10GBASE-SR
    Medium is MultiRate, Wavelength is 850nm
    SFP+ receive power reading is -2.5586dBm
Interface index is 35980290
Internet address is not set
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 6w2d22h
Queueing strategy: fifo
Input Statistics:
    7851946701 packets, 7073254994738 bytes
    2 64-byte pkts, 3329880169 over 64-byte pkts, 20377433 over 127-byte pkts
    15024372 over 255-byte pkts, 46838230 over 511-byte pkts, 4439826495 over 1023-byte pkts
    126885 Multicasts, 13850 Broadcasts
    0 runts, 0 giants, 0 throttles
    0 CRC, 0 overrun, 0 discarded
Output Statistics:
    9438265206 packets, 12645632595387 bytes, 0 underruns
    4026058 64-byte pkts, 843634342 over 64-byte pkts, 10252507 over 127-byte pkts
    16352464 over 255-byte pkts, 172076390 over 511-byte pkts, 8391923445 over 1023-byte pkts
    4239743 Multicasts, 522737 Broadcasts, 9433502726 Unicasts
    0 throttles, 0 discarded, 0 collisions, 0 wreddrops
Rate info (interval 299 seconds):
    Input 41.00 Mbits/sec,        5439 packets/sec, 0.42% of line-rate
    Output 61.00 Mbits/sec,        5852 packets/sec, 0.62% of line-rate
Time since last interface status change: 6w2d22h
```

Exhibit 3

```
switch-1#show lacp 1
Port-channel 1 admin up, oper down, mode lacp
LACP Fast Switch-Over Disabled
Actor    System ID:  Priority 32768, Address 000a.000a.000a
Partner System ID:   Priority 0, Address 0000.0000.0000
Actor Admin Key 1, Oper Key 1, Partner Oper Key 0, VLT Peer Oper Key 1
LACP LAG 1 is an aggregatable link
LACP LAG 1 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 0/1 is enabled, LACP is enabled and mode is lacp
Port State: Not in Bundle
  Actor    Admin: State ADEHJLMP Key 1 Priority 32768
           Oper: State ADEHJLMP Key 1 Priority 32768
  Partner is not present
```

Exhibit 4

```
switch-2#show lacp 1
Port-channel 1 admin up, oper down, mode lacp
LACP Fast Switch-Over Disabled
Actor    System ID:  Priority 32768, Address 000a.000a.000a
Partner System ID:   Priority 0, Address 0000.0000.0000
Actor Admin Key 1, Oper Key 1, Partner Oper Key 0, VLT Peer Oper Key 1
LACP LAG 1 is an aggregatable link
LACP LAG 1 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 0/1 is enabled, LACP is enabled and mode is lacp
Port State: Not in Bundle
  Actor    Admin: State ADEHJLMP Key 1 Priority 32768
           Oper: State ADEHJLMP Key 1 Priority 32768
  Partner is not present
```

Exhibit 5

```
switch-1#show interface switchport Port-channel 1

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: Port-channel 1
802.1QTagged: True
Vlan membership:
Q       Vlans
U       1
T       10,200

switch-2#show interface switchport Port-channel 1

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: Port-channel 1
802.1QTagged: True
Vlan membership:
Q       Vlans
U       1
T       10,200
```

Refer to the exhibits.

An organization has a network with the following configuration:

*

2x C-Series chassis in a VLT

*

Identical 10Gb line cards in each C-Series chassis

*

A Hyper-V Server directly connected to Te 0/1 on each C-Series chassis

*

A VLT Port-Channel connected to a two port switch independent team on the server used for vSwitch Virtual Machine traffic

The Server Admin reports connectivity issues to the VMs on the server.

*

Virtual Machines cannot ping outside of the local Server and cannot be reached from the LAN.

*

All Virtual Machines are connected to the same vSwitch.

*

All Virtual Machines are able to ping each other internally.

*

All Virtual Machines are tagged in VLAN 10.

*

All Nics on the Hyper-V Server are up. What is causing the ping loss?

A.

VLANs are configured incorrectly between the VLT peers.
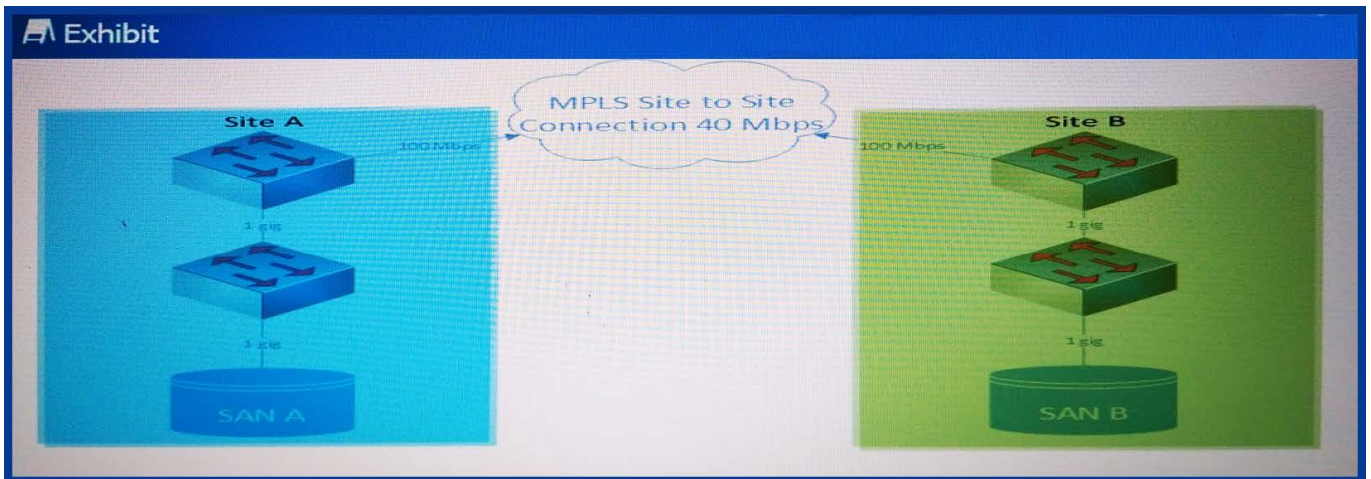
B.

LACP is not configured on the server.

C.

One of the VLT peers is using a lower bandwidth transceiver.

D.

LACP is configured as passive in the VLT domain.

Correct Answer: B

QUESTION 4

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 5

Which component is required to deploy the N2000/N3000 Series switches in a stack configuration?

A. Ethernet cables

B. SAS cables

C. Optical Transceivers

D. TwinX cables

Correct Answer: B

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