

Dell DSDSC-200 Exam

Volume: 120 Questions

Question: 1

An engineer has installed a Storage Array with a Tier 1 consisting of SSDs. What should the engineer do to optimize performance for I/O workloads utilizing this Tier?

- A. Disable write cache on volumes.
- B. Convert Tier 1 to RAID 0.
- C. Segregate the SSDs to a separate disk folder.
- D. Change the sector size from 512 to 4K.

Answer: A

Question: 2

An engineer has mapped a volume to an existing Windows 2012 server. The engineer has configured zoning and confirmed that all paths are correctly configured. The operating system can only see one path within the MPIO software.

Which step should the engineer take so that all paths are presented to the server?

- A. download and install the MPIO Manager
- B. run the command `mpclaim.exe -i -d "COMPELNT Compellent Vol "`
- C. change the Multipath 10 (MPIO) policy to Round Robin within MPIO Manager
- D. change the operating system to Windows 2012 Pro MPIO within the server properties on Storage Center

Answer: B

Question: 3

An engineer needs to configure a VMware host. According to best practice, the engineer needs to enable a feature by changing the variables `QFullSampleSize` and `QFullThreshold`. The engineer sets those two parameters to the value of 0 in VMware ESXi 5.1 Patch 1 and later versions.

Which feature is enabled?

- A. Adaptive queue depth

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- B. Enhanced Transmission Selection (ETS)
- C. Asymmetric logical unit access (ALUA)
- D. Priority Flow Control (PFC)

Answer: A

Question: 4

An engineer needs to configure a server. The server is connected to a Storage Center via iSCSI using or more hardware iSCSI host bus adapters. If connectivity is lost due to controller failover, the server needs to reconnect to the Storage Center iSCSI target ports.

Which HBA feature must be enabled to meet the requirement?

- A. Delayed ACK
- B. Spin Up Delay
- C. ARP Redirect
- D. MAC Spoofing

Answer: C

Question: 5

A customer has mapped a volume to a ESX server using two 8 Gb Fibre Channel (FC) paths. The customer needs the traffic to split equally across the two FC paths.

Which ESX Multi-pathing policy should be used?

- A. Least Queue Depth
- B. Most Recently Used (MRU)
- C. Round Robin
- D. Fixed

Answer: C

Question: 6

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An engineer is performing failover testing on an FC-attached, dual-controller SC8000 system. The engineer notes that the customer's Windows 2008 R2 servers experience 1/0 errors. The RHEL and ESX servers experience no problems.

All FC HBA timeouts are configured per Dell best practices. The Windows servers that are experiencing issues have had no OS-level configuration changes related to SAN storage. All servers use the same FC fabric.

What is causing the connectivity loss during failover?

- A. An incorrect OS type was selected when the Windows server objects were created.
- B. The windows Disk Timeout Value is NOT set correctly.
- C. NPIV is NOT enabled on Storage Center FC local ports.
- D. The FC cables plugged into the Windows servers have RX and TX reversed.

Answer: B

Question: 7

A customer has mapped a volume to a Windows 2008 server using two 16 Gb FC paths and two 1 Gb iSCSI paths. The customer needs the traffic to split equally across only the two FC paths without using iSCSI under normal conditions. If the FC network is down, traffic should failover to the iSCSI paths to maintain connectivity.

Which Windows 2008 multi-pathing policy should be used?

- A. Round Robin With Subset
- B. Fail Over Only
- C. Least Queue Depth
- D. Round Robin

Answer: A

Question: 8

According to the best practices, what are the correct values for the following parameters on a QLogic HBA?

- A. Connection options:0 - Loop onlyLoginretry count:60 attemptsPort down retry count:60 attemptslink down timeout:30 seconds

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B. Connection options:1 - point-to-point onlyLogin retry count:60 attemptsPort down retry count:60 attemptslink down timeout:30 seconds

C. Connection options:1 - point-to-point onlyLogin retry count:30 attemptsPort down retry count:Sattemptslink down timeout:60 seconds

D. Connection options:0 loop onlyLogin retry count:30 attemptsPort down retry count:30 attemptslink down timeout:30 seconds

Answer: B

Question: 9

A deployment technician has cabled several enclosures on one chain: (1) SC200, (1) SC220, and (1) SC 280. When the deployment technician tries to configure the Disk folder, some disks are missing. What is the cause of this problem?

A. A SC200 must be on a separate chain from the SC220 and SC280.

B. The SC220 must be on a separate chain from the SC200 and SC280.

C. The SC280 must be on a separate chain from the SC200 and SC220.

D. There are too many disks on the same chain .

Answer: C

Question: 10

An engineer needs to install an LSI9206 SAS card in an existing SC8000 system that runs version 6.1. Which step should the technician take to install this 10 module?

A. As a hot-add card, install the card in any slot without powering down the controller.

B. Make sure that slots 1, 2, or3 are available because the card can NOT be installed in a full-height slot.

C. Download the LSI 9206 firmware from the Compellent portal to apply to the card.

D. Update the SCOS to version 6.3 because this is the minimum version for this card to run.

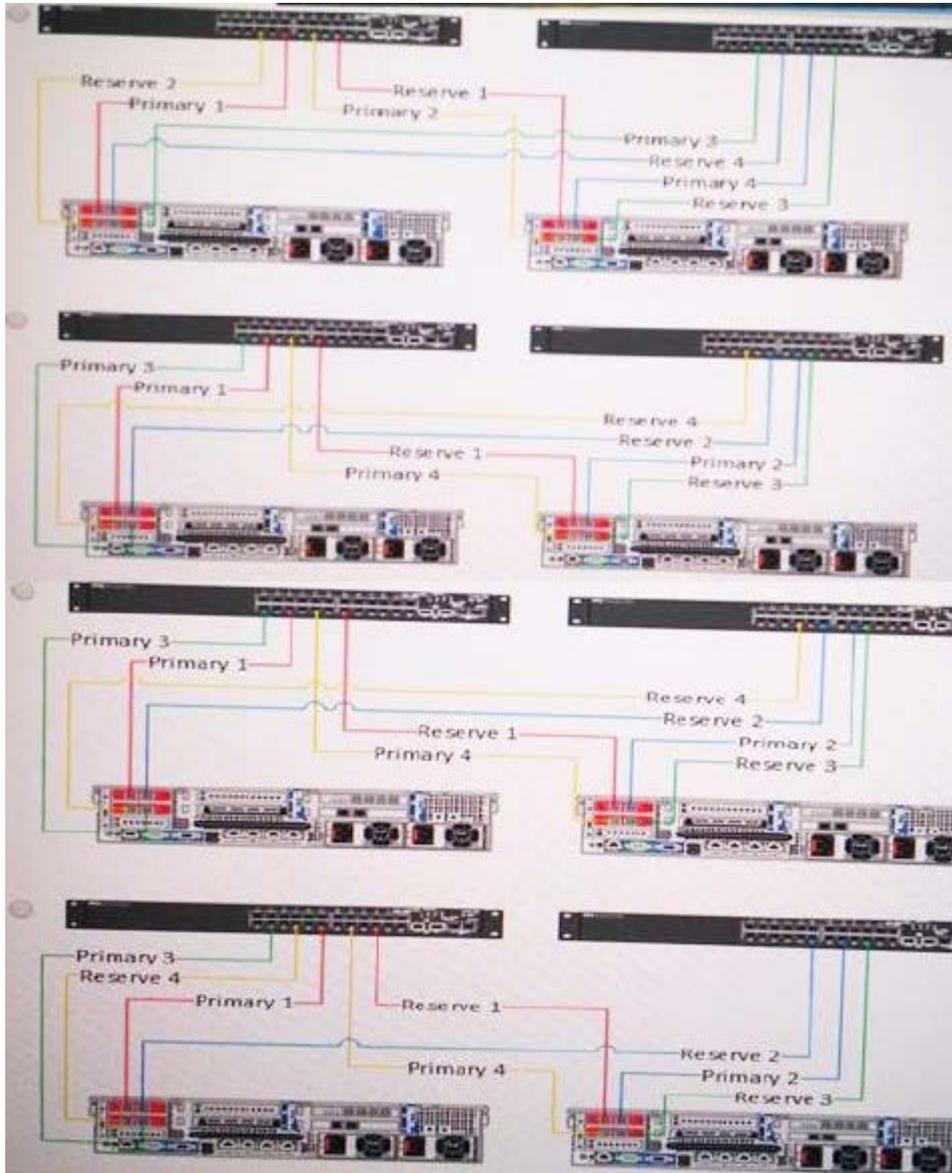
Answer: C

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Question: 11

A deployment technician needs to install a dual-controller Storage Center with two Fibre Channel (FC) fabrics. The site will run in Legacy mode.

What is the correct front-end cabling?



A. option A

B. option B

C. option C

D. option D

Answer: A

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Question: 12

The administrator notices that some disks show as down intermittently. The disks are all in the same enclosure.

What is the problem?

- A. Each disk drive must be replaced.
- B. The enclosure is powered off.
- C. The SAS cable is NOT fully seated.
- D. The Disk folder is NOT properly configured.

Answer: D

Question: 13

Which two steps should the engineer take prior to racking any equipment? (Choose two.)

- A. remove batteries from controllers to prevent risk of electric shock
- B. remove any jewelry or metal objects from the engineer's body
- C. remove the disk drives from inside the shipped enclosures
- D. apply an ESD wrist or ankle strap to avoid damage to parts

Answer: B,D

Question: 14

The SAS chain starts in port 1 controller 1 and ends at controller 2 at port 3.

What are the correct connections in a 4-port SAS 10 card?

- A. Side A port 1: port 3 & : Side B port 1: port 3
- B. Side A port 3: port 3 & : Side B port 3: port 3
- C. Side A port 1: port 1 & : Side B port 1: port 1
- D. Side A port 1: port 1 & : Side B port 3: port 3

Answer: A

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Question: 15

A customer has iSCSI servers that occasionally perform poorly. The performance issues on a particular server occur during temporary traffic spikes to that server. Logs show that the number of dropped packets increases during the traffic spike. In normal traffic conditions, performance is acceptable.

What are iSCSI best practices to fix this problem?

- A. make sure that switches used for iSCSI are non-blocking switches
- B. disable storm control
- C. enable jumbo frames end-to-end
- D. enable bi-directional flow control

Answer: D

Question: 16

A storage array is configured with four front-end ports on each controller (in a dual-controller configuration) for server connectivity. The storage array runs in Legacy Port mode. An engineer needs to provide multi-pathed (2 fabrics) connectivity from the storage array to the server.

What is the minimum number of fault domains required?

- A. 8
- B. 2
- C. 4
- D. 6

Answer: B

Question: 17

There are several servers connected to the Storage Center through Fibre Channel (FC) fabrics using WWN zoning. The engineer has recently replaced a server's FC HB. This server can no longer connect to the Storage Center.

What is causing the problem?

- A. The Storage Center's Fault Domains must be updated with the new HBA WWN
- B. The server's zone must be updated with the new switch port to which the HBA is connected

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- C. The Storage Center Fault Domains must be converted to Virtual Port mode
- D. The server's zone must be updated with the new HBA's WWN.

Answer: D

Question: 18

An engineer has several servers connected to the Storage Center through two FC fabrics. The Storage Center runs in Virtual Ports mode. The engineer needs to create zones based on World Wide Names (WWN).

Which WWNs from the Storage Center need to be included in the zone with the server WWN?

- A. only the Primary WWNs
- B. only the Virtual WWNs
- C. both the Primary and Reserve WWNs
- D. both the Virtual and Physical WWNs

Answer: B

Question: 19

A deployment engineer is installing a dual-controller Storage Center with four FC ports in each controller. This system need to use Legacy Port mode because the AIX version used requires it.

Which two configurations are required to set up the fault domains? (Choose two.)

- A. There are only two fault domains used, one for primary ports and one for reserved ports.
- B. There is a separate fault domain for each set of primary and reserved ports.
- C. There are only two fault domains used, one for the ports in each fabric.
- D. The primary and reserved ports in the fault domain need to reside on different controllers.

Answer: C,D

Question: 20

An engineer needs to install an SC8000 with four FC ports in each controller and two FC switches set up in a dual fabric. Each controller also has two 10 Gb iSCSI ports. All iSCSI ports are connected to an

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ethernet switch. The system uses virtual ports.
How many fault domains are required?

- A. 3
- B. 5
- C. 4
- D. 2

Answer: C

Question: 21

What are two 1 Gb iSCSI best practices to set up end-to-end connectivity (servers, switch, and storage)?
(Choose two.)

- A. Flow Control
- B. Jumbo Frame
- C. Spanning Tree
- D. Unicast Storm Control

Answer: B,C

Question: 22

A zone must include at least one target and at least one initiator.

How many targets and initiators should each zone include according to recommended best practice?

- A. single initiator; multiple target
- B. single initiator; single target
- C. multiple initiator; multiple target
- D. multiple initiator; single target

Answer: A

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Question: 23

An engineer is configuring fault domains and front-end 10 ports on a dual controller storage array. Any volumes that are later created and mapped to a server must be active/optimized on one controller and standby on the other controller.

Which port mode should the engineer use to meet this requirement?

- A. Physical Port Mode
- B. Virtual Port Mode
- C. Legacy Port Mode
- D. ALUA Port Mode

Answer: C

Question: 24

A customer has a newly installed storage array. The customer needs to proactively monitor and report storage utilization on a regular basis.

Which customizable, proactive tool should be configured to perform this task?

- A. Enterprise Manager Threshold Alerting
- B. Dell SupportAssist
- C. Storage Center Event Monitoring
- D. Enterprise Manager Automated Reporting

Answer: A

Question: 25

A customer has multiple Storage Centers at their main site and a DR system at a remote site. A particularly important volume requires High Availability protection. An outage on one system at the main location must NOT cause data to be inaccessible. Disaster Recovery protection is also required to protect data even if the entire main site goes down.

Which technology best meets these requirements?

- A. Asynchronous Replication
- B. Live Volume Managed Replication