



C9020-562^{Q&As}

IBM Storwize Family Technical Solutions V4

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QUESTION 1

An IBM i customer decided to take advantage of the performance of flash-based storage and is implementing an IBM FlashSystem V9000. The customer plans to move all data to the V9000 with native IBM i attachment.

Which connection protocol is required for this environment?

- A.FC
- B. FTP
- C. 10 Gb FCoE
- D. InfiniBand

Correct Answer: A

IBM FlashSystem V9000 can be attached to IBM i in the following ways:

*

Native connection without using Virtual I/O Server (VIOS) Native connection with SAN switches can be done with these adapters: 4 Gb Fibre Channel (FC) adapters, feature number 5774 or 5276 8 Gb FC adapters, feature number 5735 or 5273 16 Gb FC adapters, feature number EN0A or EN0B Direct native connection without SAN switches can be done with these adapters: 4 Gb FC adapters in IBM i connected to 8 Gb adapters in IBM FlashSystem V9000 16 Gb adapters in IBM i connected to 16 Gb adapters in IBM FlashSystem V9000

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Connection with VIOS in N_Port ID Virtualization (NPIV) mode There are rules for mapping server virtual FC adapters to the ports in VIOS when implementing IBM i in VIOS NPIV connection.

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Connection with VIOS in virtual SCSI (VSCSI) mode

References: Introducing and Implementing IBM FlashSystem V9000, page 272 <http://www.redbooks.ibm.com/redpieces/pdfs/sg248273.pdf>

QUESTION 2

A customer has purchased an IBM Storwize solution and needs to externally virtualize a Dell EqualLogic PS6210E.

Which connection protocol is required?

- A. FCoE
- B. iSCSI
- C. SAS
- D. FCIP



Correct Answer: B

Support for iSCSI backend storage attachment for SAN Volume Controller and the Storwize storage virtualisation family include the Dell Equallogic PS6210 storage model.

References: <http://www-01.ibm.com/support/docview.wss?uid=s1S1006383>

QUESTION 3

Which IBM Storwize Family product possesses the following control enclosure base feature?

- Memory: standard 16 GB memory system total
- HIC slot (different options are possible)
- Standard 10/100/1000 megabits per second (Mbps) Ethernet ports for iSCSI
-

Two 2-core, 2 thread processor

A.

IBM Storwize V5010

B.

IBM Storwize V5020

C.

IBM Storwize V3700

D.

IBM Storwize V5030

Correct Answer: D

QUESTION 4

A customer is implementing an IBM Storwize V7000 Unified solution and will access both file and block storage. Two fibre channel adapters are included within each controller.

What is the maximum number of fibre channel connections the customer can connect to its SAN fabrics?

- A. 12
- B. 6
- C. 4
- D. 16



Correct Answer: D

With the introduction of the 2076-524 nodes, and the ability to have up to eight FC ports per node, there are several different options that are valid for attaching storage to the Storwize V7000 Gen2 cluster.

Apply these Storwize V7000 Unified configuration details for Fibre Channel and Fibre Channel Over Ethernet (FC/FCoE Gateway, FCF) switches to ensure that you have a valid configuration. Configuring your SAN with at least two independent switches, or networks of switches, ensures a redundant fabric with no single point of failure. If one of the two SAN fabrics fails, the configuration is in a degraded mode, but is still valid. You should maintain separate fabrics for FCoE and FC. If you attempt to combine these fabrics, you might risk adding additional paths to the volumes. Supported configurations allow a maximum of eight paths.

References:http://www.ibm.com/support/knowledgecenter/ST5Q4U/com.ibm.storwize.v7000.unified.141.doc/svc_ruleswitch_223fp0.html

QUESTION 5

A customer has acquired a new business and wants to bring its systems and storage under corporate systems. The company has an IBM SVC in the environment to manage all storage.

What must the customer do with the volumes from the new businesses storage to bring them under IBM Spectrum Virtualize management?

- A. Import the volumes using Volume Mirror
- B. Import the volumes using Managed mode
- C. Import the volumes in Image Mode
- D. Import the volumes as a storage pool

Correct Answer: C

Image mode volumes are used to migrate LUNs that were previously mapped directly to host servers over to the control of the IBM Spectrum Virtualize system.

Note: mkimagevolume Create a new image mode volume. This command can be used to import a volume, preserving existing data.

References:Implementing the IBM Storwize V7000 and IBM Spectrum Virtualize V7.8, page 215
<http://www.redbooks.ibm.com/redpieces/pdfs/sg247938.pdf>

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