C9020-562^{Q&As}

IBM Storwize Family Technical Solutions V4

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QUESTION 1

A company just completed an acquisition and now has FC attached storage from multiple vendors. The environments are isolated and storage administrators are unable to share resources across these environments.

Which IBM Storwize solution feature helps improve this situation?

A. Real-time Compression

B. Encryption

C. Tiered Storage Optimizer

D. External Virtualization

Correct Answer: D

By using external virtualization, you can consolidate FC SAN-attached disk controllers from various vendors into pools of storage. In this way, the storage administrator can manage and provision storage to applications from a single user interface and use a common set of advanced functions across all of the storage systems under the control of the IBM Storwize.

References: Implementing the IBM Storwize V5000 Gen2 (including the Storwize V5010, V5020, and V5030), page51 http://www.redbooks.ibm.com/redbooks/pdfs/sg248162.pdf

QUESTION 2

Which component of the IBM Spectrum family helps a customer manage application-aware point-in-time copies on EMC, HDS, and the IBM Storwize family?

A. IBM Spectrum Protect Snapshot

B. IBM Copy Services Manager

C. IBM Spectrum Control with External Virtualization

D. IBM Spectrum Protect for SAN

Correct Answer: A

IBM Spectrum Protect Snapshot (formerly known as IBM Tivoli FlashCopy Manager) uses advanced snapshot capabilities of disk subsystems to create application, database, and VM-aware point-in-time snapshots.

References: IBM SpectrumFamily, IBM Spectrum Control Standard Edition, page 237 http://www.redbooks.ibm.com/redbooks/pdfs/sg248321.pdf

QUESTION 3

A customer is deploying an IBM Storwize V7000 and wants to grow the system to 32 PB of addressable space.

Which extent size is needed to meet this requirement?

A. 8192 MB

B. 4096 MB

C. 2048 MB

D. 1024 MB

Correct Answer: A

Extent size (MB)	Maximum non-thin provisioned volume capacity in GB	Maximum thin provisioned volume capacity in GB	Maximum MDisk capacity in GB	Total storage capacity manageable per system
4096	262,144 (256 TB)	262,144	524,288 (512 TB)	16 PB
8192	262,144 (256 TB)	262,144	1,048,576 (1024 TB)	32 PB

References: IBM System Storage SAN Volume Controller and Storwize V7000, Best Practices and Performance Guidelines, Page 289 http://www.redbooks.ibm.com/redbooks/pdfs/sg247521.pdf

QUESTION 4

A customer has SAS connected storage in its environment that was purchased from a competitor. The

customer does not have a SAN but wishes to add 10 Gb iSCSI. The customer is considering buying an

IBM Storwize product because the competitor charges for migration.

Which IBM product should the technical specialist recommend that includes these features?

A. IBM Storwize V7000

B. IBM SAN Volume Controller

C. IBM Storwize V5030

D. IBM Storwize V5010

Correct Answer: B

IBM SAN Volume Controller key features include:

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 Combine storage capacity from multiple vendors for centralized management

*

 Increase storage utilization by providing more flexible access to storage assets

*

Support for almost 400 different storage systems

*

Help improve data security with support for encryption

*

Implement hybrid cloud capabilities rapidly and with existing on-premises storage

*

Has four 10 Gbps copper (RJ45) Ethernet ports for management and/or iSCSI

References:http://www03.ibm.com/systems/storage/software/virtualization/svc/overview.html

QUESTION 5

A local credit union is installing a new Power Linux Spectrum Protect server with container storage pools and needs more bulk storage. It has a business requirement for encryption at rest. Cost is a consideration.

Which solution meets the customer requirements?

A. IBM Storwize V5030

B. IBM Storwize V5010

C. IBM Storwize V5020

D. IBM Storwize V9000

Correct Answer: C

Storwize V5020 control enclosure models offer mid-level performance, scalability, and functionality with:

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Two 2-core, four-thread processors and up to 32 GB of cache

*

Support for up to 392 drives per system with the attachment ofStorwize V5000 expansion enclosures

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Encryption of data at rest stored within the Storwize V5000 system

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