C9020-562$^{Q\&As}$

IBM Storwize Family Technical Solutions V4

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QUESTION 1

A company currently has EMC VNX systems at both production and DR sites, with asynchronous replication between the sites. The company desperately needs to refresh the storage at its production site because of performance and capacity needs, as well as high maintenance costs. The VNX at the DR site is newer and still under lease. They don\'t have the budget to replace both systems.

How could the IBM Storwize Family solve the problem?

A. Replace production system and use host-based replication to DR site

B. Replace production system and externally virtualize DR system

C. Externally virtualize production system and use Real-time Compression

D. Externally virtualize both production and DR systems

Correct Answer: B

QUESTION 2

How does the IBM Storwize native IP replication provide optimal utilization of the IP network?

A. It communicates with external WAN Optimization devices to achieve maximum efficiency.

B. It uses Real-time Compression of data prior to replication.

C. It usesartificial intelligence and sends multiple parallel streams.

D. It utilizes intelligent switches in the network to minimize latency.

Correct Answer: C

The native Internet Protocol (IP) replication feature enables replication between any SVC/Storwize family

memberrunning code version 7.2 or higher, using the built-in networking

ports of the cluster nodes. Following a recent partnership with IBM, it uses SANslide technology developed

by Bridgeworks Limited of Christchurch, UK. They specialize in products that can bridge storage protocols

and accelerate data transfer over long distances.

Adding this technology at each end of a wide area network (WAN) Transmission Control Protocol/Internet

Protocol (TCP/IP) link significantly improves the usage of the link. It does this by applying patented Artificial

Intelligence (AI) to hide latency normally associated with WANs.

The technology built into the SVC/Storwize code uses TCP/IP latency to its advantage. Rather than wait

for the acknowledgment to come back, it sends more sets of packets across other virtual connections. The

number of virtual connections is controlled by the AI engine.

This improves WAN connection use, which results in a data transfer rate approaching full line speed.

References: IBM SAN Volume Controller and Storwize Family Native IP Replication, page http://

www.redbooks.ibm.com/redpapers/pdfs/redp5103.pdf

QUESTION 3

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

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 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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QUESTION 4

Comprestimator output shows capacity savings from Real-time Compression and which other factor?

A. Thin provisioning

B. Data archiving

C. Drive consolidation

D. Data deduplication

Correct Answer: A

In the output of theComprestimator, the Total Savings is presented as a break-down of thin-provisioning savings and compression savings. This helps in future planning tasks; when the volume stores more data than it does today , thin-provisioning savings get lower, but compression savings are expected to stay the same if new data written to the volume is of the same nature as the data stored in the volume today.
References:https://www.ibm.com/support/knowledgecenter/ST3FR7_7.2.0/com.ibm.storwiz e.v7000.720.learning/comprestimator_script.html

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QUESTION 5

A solution requires access to a file share on the IBM Storwize V7000 Unified via Mac OS X 10.7, RHEL 6.4, and Windows 8.

Where should the technical specialist determine connection protocol support for this mixed environment?

A. SSIC

B. eConfig

C. Announcement

D. SalesManual

Correct Answer: A

The IBM System Storage Interoperation Center (SSIC) is used to check for hardware and software compatibility.

References:https://www.ibm.com/support/knowledgecenter/STAV45/com.ibm.sonas.doc/sv c_connectingxivtofcswitch.html

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