C9020-562^{Q&As}

IBM Storwize Family Technical Solutions V4

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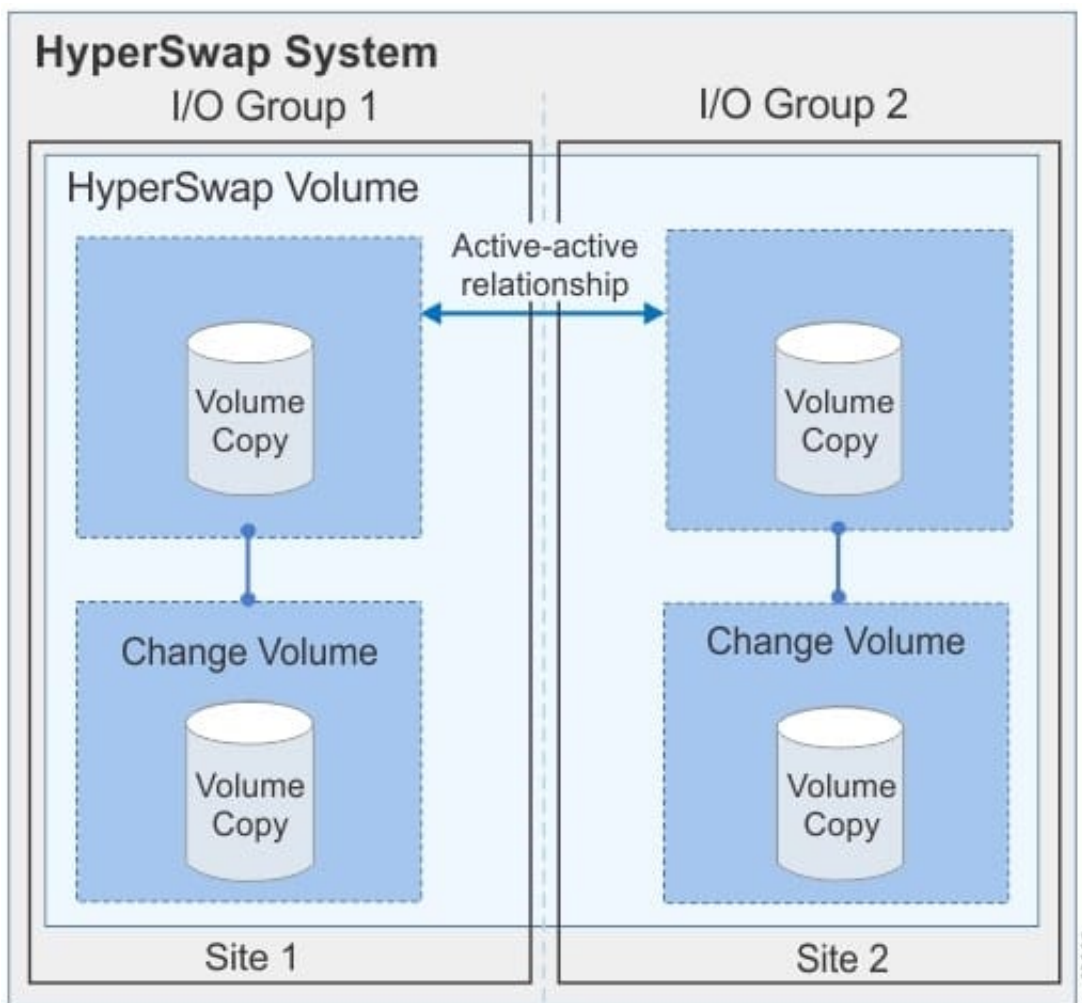⚙ **800,000+** Satisfied Customers

QUESTION 1

A customer is planning to implement a new IBM Storwize V5030 solution and is evaluating the requirements for implementing disaster recovery with HyperSwap.

Which HyperSwap configuration requirement needs to be part of installation?

A. Both I/O groups and managed disks are at the same site.

B. Configuration with standard topology with all controlenclosures are at the same site.

C. Configure volume mirror relationship with a controller from each I/O group at different sites.

D. Each I/O group and its managed disks are at different sites.

Correct Answer: D

HyperSwap volumes, where copies of a single volume are in different storage pools that are on different sites. The volume is cached in two I/O groups that are on different sites. These volumes can only be created on Storwize V5030 systems when the system topology is HyperSwap.

References:http://www.ibm.com/support/knowledgecenter/STHGUJ_7.7.0/com.ibm.storwiz e.tb5.770.doc/

tbrd4_tbrd4ovr.html

QUESTION 2

Which IBM Storwize product allows for scalability up to a maximum of 20 expansion enclosures with a single control enclosure?

A. IBM Storwize V5030

B. IBM Storwize V3700

C. IBM Storwize V5020

D. IBM Storwize V5010

Correct Answer: A

V5030: Standard expansion enclosures: up to 20 standard expansion enclosures per controller. High-density expansion enclosures: up to 8 high-density expansion enclosures per controller.

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:

*

 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

*

 Encryption of data at rest stored within the Storwize V5000 system

QUESTION 4

A cloud solution is being planned using the IBM Storwize family to provide storage for multiple clients on IBM Power and Intel hosts.

Which solution provides the necessary storage for the primary site and a disaster recovery location at a data center 1500 kilometers away?

A. Create a four node IBM Storwize V7000 cluster with one I/O Group at the primary data center and the other at the disaster recovery location. Use FlashCopy to copy the volumes from the primary I/O Group to the disaster recovery I/O Group.

B. Create volumeson IBM Storwize V7000 storage at the primary data center and use Global Mirror to create copies on an IBM Storwize V7000 at the disaster recovery location.

C. Create volume mirrors on IBM Storwize V7000 storage at the primary data center with virtualizedexternal IBM Storwize V3700 storage at the disaster recovery location.

D. Create volumes on IBM Storwize V7000 Storage at the primary data center and use Metro to create asynchronous copies on an IBM Storwize V5030 at the disaster recovery location.

Correct Answer: B

Metro Mirror and Global Mirror are technologies that enable you to keep a real-time copy of a disk at a remote site that contains another SVC Cluster or Storwize V7000 system.

Incorrect Answers

A: FlashCopy is a function that allows you to create a point-in-time copy of one of your SVC disks. This might be helpful when performing backups or application testing. These copies may be cascaded upon one another, read from, written to, and even reversed. These copies are able to conserve storage, if needed, by being space-efficient copies that only record items that have changed from the originals instead of full copies.

C: Volume Mirroring is a function designed to increase high availability of the storage infrastructure. It provides the ability to createup to two local copies of a volume.

References: IBM System Storage SAN Volume Controller and Storwize V7000 Replication Family Services, page 22
http://www.redbooks.ibm.com/redbooks/pdfs/sg247574.pdf

QUESTION 5

A customer is concerned that its volumes would not have access to the full system cache but wants to create pools to limit the amount of space that different departments use.

Which activity allows the customer to meet these requirements?

A. Create several small pools that correspond to LUN size policies

B. Create a single storage pool that contains all the MDisks

C. Create LUN size policy in the GUI and set system cache to global via the CLI

D. Create a single parent pool that contains smaller child pools

Correct Answer: D

Before V7.4, the disk space of a storage pool was provided from MDisks, so the capacity of a storage pool depended on the MDisks\' capacity. Creating or splitting a storage pool is not possible and a user cannot freely make astorage pool with a particular capacity they want. A child pool is a new logical object that is created from a physical storage pool and provides most of the functions that Pools have (for example, volume creation), but the user can specify the capacity ofthe child pool at creation.

A child pool is an object similar to a storage pool, and can be used interchangeably with a storage pool. It supports volume copy and migration.

References: Implementing the IBM Storwize V7000 and IBM Spectrum Virtualize V7.6, page 89
http://www.redbooks.ibm.com/redbooks/pdfs/sg247938.pdf

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