



C9020-562^{Q&As}

IBM Storwize Family Technical Solutions V4

Pass IBM C9020-562 Exam with 100% Guarantee

Free Download Real Questions & Answers **PDF** and **VCE** file from:

<https://www.pass4itsure.com/c9020-562.html>

100% Passing Guarantee
100% Money Back Assurance

Following Questions and Answers are all new published by IBM Official Exam Center

- ⚙️ **Instant Download** After Purchase
- ⚙️ **100% Money Back** Guarantee
- ⚙️ **365 Days** Free Update
- ⚙️ **800,000+** Satisfied Customers



**QUESTION 1**

A customer is looking to replicate data to its disaster recovery location. The customer has gathered data about I/O and throughput to the storage.

Which piece of information is needed to properly size the bandwidth needed between the two locations?

- A. Peak write IOPS
- B. Peak write MBps
- C. Peak read IOPS D. Peak read MBps

Correct Answer: A

Sizing the systems for replication

*

Metro Mirror has the least impact to the amount of IO a system can handle, as it has the lowest overhead.

*

Regular Global Mirror further lowers the maximum throughput of the system, and the increase in host write response time depends on the quantity of IO being replicated via Global Mirror. The main cause of increased write response time is spikes of host write IO that there's insufficient partnership bandwidth to replicate instantly, but we have seen cases where the increased overhead of the Global Mirror processing has made a workload unusable.

References:<https://www.ibm.com/developerworks/community/blogs/storwizecopyservices/entry/sizingreplication?lang=en>

QUESTION 2

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 of Storwize V5000 expansion enclosures

*
Encryption of data at rest stored within the Storwize V5000 system

QUESTION 3

An online shopping website stores large amounts of product data and orders on a multi-tier IBM Storwize storage solution. All data is stored in a pool including Nearline, Enterprise, and SSD storage. Depending on purchases, some products may place a higher demand on the storage.

How will Easy Tier assist this organization with its data performance?

- A. Promotion of data directly from Nearline to Flash storage
- B. Demotion of data from Nearline to Enterprise storage
- C. Demotion of data from Flash to Nearline storage
- D. Promotion of data from Enterprise to Flash storage

Correct Answer: D

Note: IBM Spectrum Virtualize includes IBM Easy Tier, a function that responds to the presence of drives in a storage pool that also contains hard disk drives (HDDs). The system automatically and nondisruptively moves frequently accessed data from HDD MDisks to flash storage MDisks, thus placing such data in a faster tier of storage.

The system supports these tiers:

*
Flash tier

The flashtier exists when flash MDisks are in the pool. The flash MDisks provide greater performance than enterprise or nearline MDisks.

*
Enterprise tier

The enterprise tier exists when enterprise-class MDisks are in the pool.

*
Nearline tier

The nearline tier exists when nearline-class MDisks are used in the pool.

Note 2: The formal distinction between online, nearline, and offline storage is:

*



Online storage is immediately available for I/O.

*

Nearline storage is not immediately available, but can be made online quickly without human intervention.

*

Offline storage is not immediately available, and requires some human intervention to become online.

References: https://publib.boulder.ibm.com/infocenter/flexsys/information/index.jsp?topic=_Fcom.ibm.acc.4939.doc_Fsvc_easy_tier.html

QUESTION 4

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 5

A data center provides a Cloud Software as a Service environment primarily for websites and online transactions. Each client is allocated a standard 400 GB LUN for storage. The data center wants to reclaim usable capacity and avoid the need to purchase new disks.

How can this be achieved using IBM Storwize V5020?



- A. Implement IBM Real-Time Compression to the existing LUNs to provide more free space.
- B. Add a Thin-Provisioned copy to a fully allocated LUN, then remove the fully allocated LUN.
- C. Use external storage virtualization to add new LUNs.
- D. Reconfigure internal drives from RAID5 to RAID6.

Correct Answer: A

Store up to five times as much active data in the same physical space with IBM Real-time Compression. It is supported by the three StorwizeV5000 hybrid models: IBM Storwize V5030, IBM Storwize V5020 and IBM Storwize V5010.

References:http://www-03.ibm.com/systems/storage/disk/storwize_v5000/overview.html

QUESTION 6

A customer experienced an issue on a mission-critical application during overnight processing. The customer needs help understanding exactly when the problem happened and help with troubleshooting.

Which feature of IBM Spectrum Control aids the customer?

- A. IBM Spectrum Protect Snapshot
- B. Custom Reporting
- C. Storage Optimizer
- D. Spectrum Virtualize GUI Performance Statistics

Correct Answer: B

IBM Spectrum Control provides multiple user interfaces for viewing reports about the storage infrastructure in an enterprise environment.

You can view reports that are customized to use information from IBM Spectrum Control. The reports include fabric connections, storage mapping information, and performance metrics for storage systems.

References:http://www.ibm.com/support/knowledgecenter/SS5R93_5.2.11/com.ibm.spectrum.sc.doc/fqz0_c_webbasedgui_rpting_ic_ov.html

QUESTION 7

Where is the master encryption key supplied for an IBM Storwize V7000 at power on?

- A. SKLM
- B. SAS controller
- C. USB stick
- D. Quorum disk

Correct Answer: C



The master keys are stored on USB sticks at the time of array creation. This encryption support means drives themselves can be protect from malicious removal - and if drives fail and need to be replaced you can be surethat nobody can read the data from the failed drives.

References:https://www.ibm.com/developerworks/community/blogs/storagevirtualization/en try/new_svc_and_storwize_v7_4_software?lang=en

QUESTION 8

A customer is installing a new IBM Storwize V7000 model 524.

What should the customer do to access the management GUI for the first time?

- A. Use the USB drive to configure the system
- B. Connect to the technician port and use the initialization wizard
- C. Connect to the 10 Gb Ethernet port to create the cluster
- D. Download and use the Inittool

Correct Answer: A

You can use the management GUI to manage your system as soon as you have completed the USB flash drive initialization.

Note: Accessing the Storwize V7000 Unified management GUI Procedure

References:http://www.ibm.com/support/knowledgecenter/ST5Q4U/com.ibm.storwize.v7000.unified.142.doc/ifs_accessmgmtgui_3422yu.html

QUESTION 9

A customer has an Oracle RAC environment that requires high availability and disaster recovery in one solution.

Which feature of IBM Spectrum Virtualize addresses these needs?

- A. FlashCopy
- B. HyperScale
- C. HyperSwap
- D. Volume Migration

Correct Answer: A

IBM Spectrum Protect Snapshot uses the FlashCopy or snapshot function of the storage solutions for database cloning. This method eliminates downtime and minimizes the impact on the production database.

After you share the FlashCopy repository, configuration and binary files, an Oracle RAC database clone can be created from every node of the Oracle RAC cluster. IBM Spectrum Protect Snapshot can operate on the clone from all RAC nodes, so that a clone created on one RAC node can be inquired, refreshed, or deleted from any other node within the



RAC cluster.

References: http://www.ibm.com/support/knowledgecenter/SSERFV_8.1.0/fcm.unx/c_fcmu_orc_cloning.html

QUESTION 10

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>

[Latest C9020-562 Dumps](#)

[C9020-562 Study Guide](#)

[C9020-562 Exam Questions](#)