

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

Which network authentication protocol is supported on the IBM Storwize V7000 Unified storage system, is used for client/server applications, and provides symmetric key cryptography?

- A. Network Information Service (NIS)
- B. Kerberos
- C. Services for UNIX (SFU)
- D. POSIX

Correct Answer: B

Kerberos To provide heterogeneous file sharing for Unix and Windows, the Storwize V7000 Unified system must support authentication methods for Unix and Windows. The Storwize V7000Unified system uses Windows authentication for incoming CIFS connections and Unix authentication for incoming NFS, HTTP, SFTP and SCP connections.

Kerberos is a network authentication protocol for client/server applications that uses symmetric key cryptography.

Note: User password in clear text format is never sent over a network; the Kerberos server grants a ticket to the client for a short span of time. This ticket is used while communicating with the server to obtain access to the service, such as a file server. The Windowsbased authentication is based on Kerberos. MIT Kerberos is a free implementation of the Kerberos protocol, which is provided by the Massachusetts Institute of Technology.

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

QUESTION 3

A small customer has an old VNXe with iSCSI and needs a new storage system that is easy to manage. Price is a concern.

Which IBM Storwize family product should the technical specialist recommend to the customer?

- A. Storwize V5010
- B. Storwize V5020
- C. Storwize V7000
- D. Storwize V5030

Correct Answer: A

QUESTION 4

A customer is planning to purchase a new IBM Storwize V5030 system and is evaluating the host Ethernet connectivity requirements.

What is the standard Ethernet interface connection type capability for iSCSI host support in a base V5030 configuration?

- A. 8 Gb connectivity
- B. 10 Gb connectivity
- C. 40 Gb connectivity
- D. 16 Gb connectivity

Correct Answer: B

All Storwize V5000 second-generation control enclosures include support for 16 Gb FC, 12 Gb SAS, 10 Gb iSCSI/FCoE, and 1 Gb iSCSI for additional I/O connectivity.

References:<http://www-01.ibm.com/common/ssi/cgi-bin/ssialias?htmlfid=897/ENUS116009andinfotype=ANandsubtype=CA>

QUESTION 5

A customer is investigating replicating data between IBM Storwize V7000 for DR purposes and has made the following calculations to help determine the correct capacity for the intersite link.

Customer formula used Amount of data replicated within 24 hours, multiplied by 4 (to allow for peaks and re-sync), translated into bit rate over the 24-hour period.

Customer calculations

-

2 GB of data per day

-

2 GB * 4 = 8 GB of data

-8 GB * 8 bits = 64 GB / 86400 seconds

-

68,719,476,736 / 86400 = 795,364 bits/second bandwidth The customer has advised that the working day is 8 hours. What is the status of the calculations?

A.

It is correct.

B.

It is undersized by a factor of 2.

C.

It is undersized by a factor of 3.

D.

It is undersized by a factor of 4.

Correct Answer: C

The calculation is correct for a 24 hour workday, but as the workday is only 8 hours, the calculation is off by a factor 3.

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