C9020-562 Q&As

IBM Storwize Family Technical Solutions V4

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QUESTION 1

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.

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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:

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Online storage is immediately available for I/O.

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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 2

A customer wants to clone a database for use as a test environment.

What feature of IBM Spectrum Control Advanced Edition enables the point-in-time clone to be application consistent?

A. IBM Copy Services Manager

B. FlashCopy

C. IBM Spectrum Protect Snapshot

D. Volume Mirroring

Correct Answer: C

The IBM Spectrum Control Advanced Edition licensed program includes application-aware, snapshot-based protection that is offered by IBM Spectrum Protect Snapshot (formerly known as IBM Tivoli Storage FlashCopy Manager).

QUESTION 3

A customer wants to encrypt some of the data implementing a clustered IBM Storwize V7000-524 solution, possibly utilizing an existing model 324 keep costs down.

How should the desired solution be implemented?

A. IBM Storwize V7000-324s and IBM Storwize V7000-524s cannot be clustered together, so two IBM Storwize V7000-524s with encryption enabled on both should be implemented.

B. Cluster the existing IBM Storwize V7000-324 with a new model 324 ensuring IBM Storwize version 7.4 is installed on both systems, as it is needed to enable encryption.

C. Cluster the existing IBM Storwize V7000-324 with an IBM Storwize V7000-524, enabling encryption of the RAID arrays/MDisks on the Model 524 enclosures.

D. Cluster the existing IBM Storwize V7000-324 with an IBM Storwize V7000-524, enabling encryption on all the enclosures for maximum protection.

Correct Answer: A

The Model 524 control enclosure supports only the attachment of Model 12F, 24F, and 92F expansion enclosures. Previous generation Storwize V7000 control enclosures (Models 112, 124, 312, and 324) do not support the attachment of Model 12F,24F, and 92F expansion enclosures.

References:http://www01.ibm.com/common/ssi/ShowDoc.wss?docURL=/common/ssi/rep_sm/3/760/ENUS2076- _h03/ index.htmlandlang=enandrequest_locale=en

QUESTION 4

Which product should be included as part of an IBM Storwize Family solution for a customer who desires to simplify and automate capacity management?

A. IBM Spectrum Control

B. Easy Tier

C. IBM Spectrum Archive

D. Tiered Storage Optimizer

Correct Answer: A

Spectrum Control provides analytics-driven storage management and efficient infrastructure management for virtualized, cloud, and software-defined storage to simplify and automate storage provisioning, capacity management, availability monitoring, and reporting.

IBM Spectrum Control communicates with Storwize V7000 storage systems through a native interface.

Use IBM Spectrum Control to monitor Storwize V7000 systems, including discovery, data collection (probes), performance monitoring, trending, storage optimization, and provisioning. IBM Spectrum Control reports and topology views also provide information about the tier, tier capacity, and tier free capacity for Storwize V7000.

QUESTION 5

A customer wants to create file shares for its Windows clients. The customer is interested in an IBM Storwize V7000 Unified.

Which protocol should the customer use for file-sharing?

A. SMB

B. NFS

C. SNMP

D. iSCSI

Correct Answer: B

Using the NFS protocol, you can transfer files between computers running Windows and other non-Windows operating systems, suchas Linux or UNIX.

Note:Shares and exports can be managed through the GUI or CLI by Storwize V7000 Unified administrative users that have a user role definition that is authorized to perform share and export management functions.

A share or export results from making a disk space accessible through the protocols specified during its creation. HTTP, SCP, FTP, CIFS and NFS shares and exports can be created, provided that the corresponding protocol is enabled for the system. Shares and exports can only be created for data that is stored in the GPFS file system of the Storwize V7000 Unified system. Non-GPFS file system content cannot be shared or exported.

References:https://technet.microsoft.com/en-us/library/jj592688(v=ws.11).aspx http://www.ibm.com/support/knowledgecenter/ST5Q4U/com.ibm.storwize.v7000.unified.14 3.doc/ mng_exports_topic_welcome.html

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