

C1000-021.22q

Number: C1000-021
Passing Score: 800
Time Limit: 120 min

C1000-021



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IBM Virtualized Storage

Exam A

QUESTION 1

Which resource informs a storage specialist if a TDA is mandatory or optional?



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- A. Systems Assurance Product Review Guide
- B. TDA Discussion Guide
- C. IBM Trigger Criteria and Designated Product List
- D. IBM Pre-sale TDA Checklist

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:



QUESTION 2

A customer wants a self-service catalogue to provision storage in their environment.
Which IBM solution provides for this requirement?

- A. IBM Spectrum Connect
- B. IBM Spectrum Control Advanced
- C. IBM Spectrum Virtualize
- D. IBM Storage Insights Pro

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

QUESTION 3

Which IBM website provides the most current support matrix information for the IBM Storwize product line?

- A. IBM Infocenter
- B. IBM System Storage Interoperation Center
- C. IBM Sales Manual
- D. IBM Knowledge Center

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

Reference: <https://www-03.ibm.com/systems/support/storage/ssic/interoperability.wss>

QUESTION 4

Which tool is used to create a hardware and software bill of materials that can be used to order IBM Storwize products from IBM?

- A. IBM Sales Manual
- B. IBM System Planning Tool
- C. Capacity Magic
- D. e-config

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

Reference: http://www-01.ibm.com/common/ssi/ShowDoc.wss?docURL=/common/ssi/rep_sm/3/897/ENUS2833-h03/index.html&lang=en&request_locale=en

QUESTION 5

A customer wants to remotely manage its IBM Storwize V7000.
Which protocol for remote authentication of users is required?

- A. Lightweight Extensible Authentication Protocol (LEAP)
- B. Lightweight Directory Access Protocol (LDAP)

- C. Challenge Handshake Authentication Protocol (CHAP)
- D. Secure Socket Layer (SSL)

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

Reference: https://www.ibm.com/support/knowledgecenter/ST3FR7_8.1.1/com.ibm.storwize.v7000.811.doc/svc_configremoteauthldap.html

QUESTION 6

A customer has IBM Spectrum Virtualize at the primary location and IBM Storwize V7000 at the DR location. The customer purchased IBM VSC for both locations and wants to set up Global Mirror.

What has to be done to the IBM Storwize V7000 system to support this functionality?

- A. Put SVC nodes with IBM Spectrum Virtualize in front of the IBM Storwize V7000
- B. Purchase license for Remote Mirror.
- C. Change the system layer to Replication.
- D. Add 10 GbE adapters to the IBM Storwize V7000



Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

Reference: <https://www.academia.edu/27750217/>

[IBM System Storage SAN Volume Controller and Storwize V7000 Best Practices and Performance Guidelines](#)

QUESTION 7

An IBM i customer had performance requirements and is considering flash-based storage using an IBM FlashSystem V9000. The customer plans to move all data to the IBM FlashSystem V9000 with native IBM i attachment. Which connection protocol is required for this environment?

- A. InfiniBand
- B. iSCSI
- C. 10 Gb FCoE
- D. FC

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

QUESTION 8

Which product should be included as part of an IBM Storwize Family solution for a customer who desires application-aware snapshots?

- A. IBM Spectrum Archive
- B. IBM Virtual Storage Center
- C. IBM Spectrum Control Base Edition
- D. IBM Storwize Family Advanced Copy Services

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

Reference: <http://www.redbooks.ibm.com/redpapers/pdfs/redp5121.pdf>



QUESTION 9

A company uses an IBM Storwize V7000 with a single storage pool and plans to expand its storage capacity. What collects usage statistics for all the volumes in the pool?

- A. Easy Tier
- B. Storage Tier Optimizer
- C. Capacity Magic
- D. Disk Magic

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

QUESTION 10

An online shopping website stores orders and large amounts of product data on a multi-tier IBM Storwize storage solution. All data is stored in a mixed pool including NL-SAS, enterprise, and flash storage.

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

- A. Promote data directly from NL-SAS to flash storage.
- B. Promote data from enterprise to flash storage.
- C. Place new data directly on flash storage.
- D. Create image mode volumes on flash and enterprise storage.

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

QUESTION 11

A customer is looking for a storage solution that provides FC and SAS host attachment without the need for SAN switches.

Which IBM disk system is appropriate to use?

- A. IBM Storwize V5020
- B. IBM FlashSystem V9000
- C. IBM Storwize V7000
- D. IBM Storwize V5030

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

QUESTION 12

Which tool is used to calculate usable storage space for IBM Storwize disk subsystems?

- A. Storage Insights
- B. Disk Magic

- C. Visual Storage Intelligence
- D. Capacity Magic

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

QUESTION 13

What must be configured and installed to use VMware Virtual Volumes (VVols) with IBM Storwize solutions?

- A. IBM Spectrum Virtualize
- B. IBM Spectrum Access
- C. IBM Spectrum Connect
- D. IBM Spectrum Control Standard Edition

Correct Answer: A

Section: (none)

Explanation



Explanation/Reference:

Reference: <http://www.redbooks.ibm.com/abstracts/sg248328.html?Open>

QUESTION 14

What is the minimum number of paths that an IBM Storwize node canister should have for each host according to best practices?



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- A. 8
- B. 1
- C. 2
- D. 4

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

Reference: https://books.google.com.pk/books?id=N3rJAgAAQBAJ&pg=PA240&lpg=PA240&dq=at+least+4+paths+paths+IBM+Storwize+node+canister+should+have+for+each+host+according+to+best+practices&source=bl&ots=iZob3xd_Nr&sig=ACfU3U0QRXbJWxs1xv1c_PZvEzgB3mTmwA&hl=en&sa=X&ved=2ahUKEwjr_bKC1pjhAhXEjKQKHd3CAIIQ6AEwA_noECAoQAQ#v=onepage&q=at%20least%204%20paths%20paths%20IBM%20Storwize%20node%20canister%20should%20have%20for%20each%20host%20according%20to%20best%20practices&f=false

QUESTION 15

A customer wants to do application testing in the disaster recovery site located ten kilometers away over fiber and wants to use IBM Spectrum Protect Snapshot to create the application-aware clones of the database volumes.

Which two additional features are needed to create these clones? (Choose two.)

- A. Full System Replication Manager
- B. IBM Copy Services Manager
- C. Volume mirroring
- D. FlashCopy
- E. Remote Mirror

Correct Answer: DE

Section: (none)

Explanation

Explanation/Reference:

Reference: <http://www.redbooks.ibm.com/redpapers/pdfs/redp4873.pdf>

QUESTION 16

Which function produces the heat map file that is used as input to STAT?

- A. Easy Tier

- B. Storage Tier Optimizer
- C. Disk Magic
- D. Comprestimator

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:

Reference: <https://www-01.ibm.com/support/docview.wss?uid=tss1wp101852&aid=1>

QUESTION 17

During the last 10 years, a company has refreshed its storage environment three times. This has caused extended outages. Which functions or attributes of the IBM Spectrum Virtualize address these concerns?

- A. Rebalancing extents across a storage pool
- B. HyperSwap using intra-cluster synchronous remote copy
- C. Cloud integration and stretched cluster
- D. External virtualization and non-disruptive data migration



Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:

QUESTION 18

A customer required software that provides recommendations for data placement in appropriate pools on the IBM Storwize V7000. Which IBM Spectrum Control feature enables this?

- A. Cognos
- B. Advanced analytics
- C. Performance Reports
- D. Easy Tier

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

Reference: [https://www-356.ibm.com/partnerworld/wps/servlet/download/DownloadServlet?id=JUhU1cUIAyeiPCA\\$cnt&attachmentName=ibm_system_storage_svc_easy_tier_in_7_3.pdf&token=MTU1MzM2MTQ3NDU3Mg==&locale=en_ALL_ZZ](https://www-356.ibm.com/partnerworld/wps/servlet/download/DownloadServlet?id=JUhU1cUIAyeiPCA$cnt&attachmentName=ibm_system_storage_svc_easy_tier_in_7_3.pdf&token=MTU1MzM2MTQ3NDU3Mg==&locale=en_ALL_ZZ)

QUESTION 19

A customer is concerned about storage license compliance.
Which IBM Spectrum Suite component should the customer use?

- A. IBM Storage Mobile Dashboard
- B. IBM Spectrum Control
- C. IBM Big Fix Compliance
- D. IBM License Metric Tool

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

Reference: <https://www.ibm.com/us-en/marketplace/license-metric-tool>



QUESTION 20

A customer is planning to implement IP-based replication. Each site has a two-node IBM Storwize V7000 cluster installed.
What is the maximum number of Remote Copy Groups that can be supported using the current IBM Storwize V7000 configuration?

- A. 4
- B. 8
- C. 6
- D. 2

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

QUESTION 21

A customer has an Oracle RAC environment that requires high availability and disaster recovery in one solution. Which feature of IBM Spectrum Virtualize address these needs?

- A. Consistency groups
- B. HyperSwap
- C. Snapshot integration
- D. Transparent cloud tiering

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

Reference: <http://www.redbooks.ibm.com/abstracts/redp5459.html?Open>

QUESTION 22

What is the architectural difference between virtual machines and containers?

- A. Containers abstract the underlying hardware.
- B. Virtual machines virtualize the operating system.
- C. Containers virtualize the operating system.
- D. Virtual machines are hardware independent.

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

Reference: <https://www.backblaze.com/blog/vm-vs-containers/>





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