

IBM 000-452 EXAM QUESTIONS & ANSWERS

Number: 000-452
Passing Score: 800
Time Limit: 120 min
File Version: 26.4



<http://www.gratisexam.com/>



Real Answers to Practice Questions

IBM 000-452 EXAM QUESTIONS & ANSWERS

Exam Name: IBM Storwize V7000 Technical Solutions V2

Realtests

QUESTION 1

A customer comments that they would like to implement a storage management solution that can monitor their entire storage environment via SMI-S. They have a combination of EMC, NetApp and IBM storage. Which solution best meets their needs?

- A. OnCommand Core
- B. Tivoli Storage Manager
- C. Tivoli Storage Productivity Center
- D. System Storage Productivity Center

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

QUESTION 2

During a requirements gathering exercise, a customer explains that their environment is synchronously replicated between two sites. Considering next year's growth as well, the workload being replicated will peak at 150 MB/s with approximately two-thirds of that workload being reads. What is the minimum bandwidth required between the two sites?

- A. 30 MB/s
- B. 50 MB/s
- C. 100 MB/s
- D. 150 MB/s

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

QUESTION 3

The Storwize V7000 Real-time Compression is best suited for which filetype?

- A. video files
- B. database files
- C. encrypted file
- D. compressed files

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

QUESTION 4

A customer has an application that drives a high write workload (>50% of IOs are writes). Assuming the use of 10000 rpm or 15000 rpm SAS drives, what RAID type would be best suited for this application in a new design?

- A. RAID 4
- B. RAID 5
- C. RAID 6
- D. RAID 10

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

1 / 16

The safer , easier way to help you pass any IT exams.

QUESTION 5

A current IBM storage customer has an existing SAN environment and now requires encryption in flight. The environment today consists of a large variety of older disk and tape systems. What is the most cost effective way to meet this requirement?



<http://www.gratisexam.com/>

- A. Install SAN24B-5 switches for the SAN.
- B. Install SAN32B-E4 switches for the SAN.
- C. Add encryption capability to the existing disk and tape systems in the SAN.
- D. Do a product refresh of the environment with a new system that supports encryption.

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

QUESTION 6

The Easy Tier feature is available on which products?

- A. XIV System, DS3500, DS5000
- B. N series, DCS3700, Storwize V7000
- C. DS8000, SAN Volume Controller, Storwize V7000
- D. DCS3700, SAN Volume Controller, Storwize V7000

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

QUESTION 7

Which of the following is true about volume compression in a SAN Volume Controller?

- A. Compressed volumes can be used to create Full, Incremental, and Nocopy flashcopies.
- B. If a storage pool contains a compressed volume then every volume in that pool is compressed.
- C. Compression should never be used for active live data such as an online transaction processing database.
- D. 25% of the virtual capacity of each compressed volume must be reserved as working space for re-expansion of compressed data.

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

QUESTION 8

A customer wants to monitor and manage their IBM storage systems' configuration and performance. Which of the following products would meet their needs?

- A. IBM Systems Director
- B. SAN Volume Controller
- C. Tivoli Storage Manager
- D. Tivoli Storage Productivity Center

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

QUESTION 9

From a file sharing perspective, which of the following is a competitive advantage of the Storwize V7000 Unified compared to EMC VNX and NetApp in 7-mode?

- A. multipath failover
- B. CIFS and NFS support
- C. deduplication of the data
- D. Active/Active engines with shareable namespace

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

QUESTION 10

A customer has a Storwize V7000 and they have the need to migrate local volumes between storage pools. Which function can be used for migrating local volumes between storage pools?

- A. FastBack
- B. Volume Mirroring
- C. FlashCopy Manager
- D. Inter-Cluster Metro Mirror

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

QUESTION 11

A technical specialist is discussing the benefits of a PureFlex solution with the CIO and IT Director of a prospective customer.

Which benefit will be most attractive in the initial meeting?

- A. ease of management and monitoring
- B. support for half-wide and full-wide nodes
- C. support for VMware, Linux KVM and PowerVM hypervisors
- D. support for FCP, iSCSI, InfiniBand and FCoE network options

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

3 / 16

The safer , easier way to help you pass any IT exams.

QUESTION 12

The RAID functionality for the Storwize V7000 came from which IBM storage product?

- A. DS8000
- B. N series
- C. XIV system
- D. SAN Volume Controller

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

QUESTION 13

On the Storwize V7000 Unified what feature can automatically move files to separate tiered pools of storage without disrupting access to hosts?

- A. Easy Tier
- B. Compression
- C. Quality of Service
- D. Active Cloud Engine

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

QUESTION 14

What characteristics do iSCSI and FCoE have in common?

- A. Both are limited to 1 Gbps traffic.
- B. Both require a gateway function, usually called an FC Forwarder (FCF).
- C. Both include IP headers and Ethernet (or other media) headers with every frame that adds payload.
- D. Both protocols can use the Converged Enhanced Ethernet (CEE) to deliver lossless traffic over Ethernet.

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

QUESTION 15

Which statement best describes Information Lifecycle Management?

- A. The automatic placement of frequently used data in RAM or SSD-as-cache in the application access life cycle.
4 / 16
The safer , easier way to help you pass any IT exams.
- B. The rotation scheme of tape media to hold backup generations given the limited life cycle of tape cartridges.
- C. The application of policies and tools to align the business value of information with the most appropriate storage.
- D. The automatic promotion or demotion of data across storage tiers based on performance analytics on access frequency.

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

QUESTION 16

The customer has a single site NAS environment running on EMC hardware with a capacity of 100 TB. They want to replace this and add an additional 100 TB capacity. The new system would mirror to a DR site over IP. They also want to add multi-tenancy to the solution. What IBM solution would meet these requirements?

- A. N6240
- B. Storwize V7000
- C. SAN Volume Controller
- D. Storwize V7000 Unified

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

QUESTION 17

A customer has a large VMware estate on a single site and is planning to add a second location. The site is

only 20 km away, and they are interested in being able to use vMotion to move guest operating systems between hosts across the two sites.

What solution would support this requirement?

- A. DS5000 with synchronous mirroring
- B. SAN Volume Controller stretched cluster with mirroring
- C. Storwize V7000 or SAN Volume Controller with Metro Mirror
- D. Storwize V7000 or SAN Volume Controller with Global Mirror

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

QUESTION 18

As part of a customer data management solution, it is necessary to store unused data on a low cost device to achieve the necessary cost benefit. While a tape library solution would provide low cost, the customer application is not capable of writing directly to tape. What recommendation should the technical specialist make to allow the POSIX capable application to access tape devices?

- A. implement IBM LTFS Library Edition using LTO-5 or TS1140 tape drives in the library
- B. implement SAN Volume Controller with LTFS enabled, allowing IBM LTO drives to act as vdisks
- C. implement IBM LTFS Single Drive Edition on all IBM-supplied LTO-4 or LTO-5 drives in the library
- D. implement ProtecTIER with LTFS, allowing the management of tape and VTL disk under a single controller

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

QUESTION 19

A prospect is considering a single chassis PureFlex.

Which of the following business pressures could be reduced with the installation of PureFlex?

- A. employing more cost effective open products
- B. deploying applications faster for quicker time to market
- C. reduce cost management of zBX, System x, and Power servers
- D. top-of-rack (TOR) switches flattens the network to reduce management costs

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

QUESTION 20

Considering the TS7600 Appliance family with ProtecTIER V3.2, which of the following is a supported interface for host backup?

- A. Quick File System (QFS)
- B. Linear Tape File System (LTFS)
- C. Symantec Open Storage Interface (OST)
- D. Virtual Tape Library Emulation with SAS Interface

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

QUESTION 21

A customer requires tape backup to a TS7650 VTL Appliance to be available in a second data center. What should the technical specialist recommend?

6 / 16

The safer , easier way to help you pass any IT exams.

- A. The data can be transferred via a snapshot between the disk subsystem of the TS7650 AP1.
- B. The TS7600 product family with ProtecTIER provides the option to replicate cartridge data between systems by design via ethernet.
- C. After the backup is finished to the primary TS7650 AP1 tape pool a second backup should be executed to the remote secure tape pool TS7650 AP1 VTL.
- D. The option of the disk global mirror provides the possibility to transfer the backup data from the local TS7650 AP1 repository to the remote system.

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

QUESTION 22

Which distributed file system does the Storwize V7000 Unified use to store and retrieve files?

- A. DFS
- B. NFS
- C. NTFS
- D. GPFS

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

QUESTION 23

An N series customer wants to recover their database volumes to a point in time. Which combination of N series features will accomplish this?

- A. SnapShot and SnapRestore
- B. SnapVault and SnapRestore

- C. SyncMirror and SnapRestore
- D. MetroCluster and SnapRestore

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

QUESTION 24

How is Real-time Compression licensed on the Storwize V7000?

- A. Per disk
- B. Per raw TB
- C. Per usable TB
- D. Per disk enclosure

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

QUESTION 25

The customer would like to use the TS7650 Appliance model for replicating data between different data centers.

How is replication licensed for the TS7650 Appliance?

- A. ProtecTIER replication is unlicensed.
- B. ProtecTIER replication requires a general license feature code.
- C. Replication licensing is independent from the ProtecTIER capacity.
- D. ProtecTIER replication is licensed by capacity corresponding to the total terabytes managed.

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:



<http://www.gratisexam.com/>

QUESTION 26

Which of the following statements is true about the IBM Active Cloud Engine (ACE)?

- A. ACE provides user self-service capability to deploy SAN storage.
- B. ACE moves files transparently to the most appropriate tier of storage.
- C. ACE is available for SAN Volume Controller, Storwize V7000 Unified, and XIV system.

The safer , easier way to help you pass any IT exams.

D. ACE improves storage performance by migrating very active data to SSD, at the sub-LUN level.

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

QUESTION 27

Which RAID levels are supported on N series?

- A. RAID 0 and RAID 6
- B. RAID 4 and RAID DP
- C. RAID 0, RAID 1, RAID 5
- D. RAID 4, RAID 5, RAID DP

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

QUESTION 28

What is needed to upgrade a TS7620 ProtecTIER Deduplication Appliance Express from 5.4 TB to 11 TB physical capacity?

- A. The upgrade is a license key only.
- B. There is no upgrade from 5.4 to 11 TB within one system.
- C. Power off the TS7620, add new disk drives, power on, and assign capacity.
- D. Add disk drives to the TS7620 on the fly, no powering off; system will assign capacity automatically.

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

QUESTION 29

Which of the following is a correct statement about supported tape drive technologies in a SINGLE frame TS3500 Tape Library?

- A. An intermix of LTO and 3592 IBM tape drive technologies is possible in one single TS3500 frame.
- B. There is no intermix of tape drive technologies or generations in a single frame TS3500 configuration.
- C. A TS3500 single frame configuration can contain only one IBM tape drive technology - but can host multiple generations of it.
- D. The TS3500 can intermix only dual-ported Fibre Channel based IBM tape drives with LTO and 3592 technology in one single frame.

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

QUESTION 30

Which disk system is included in IBM PureFlex?

- A. XIV
- B. DS8800
- C. DS3500
- D. Storwize V7000

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

QUESTION 31

A customer wants to improve performance on a DS3512 single controller storage system. The technical specialist has been asked to evaluate options and make a recommendation. Which of the following options would provide improved performance for this customer?

- A. purchase the Turbo Performance license
- B. disable antivirus scanning on all hosts
- C. set queue depth on all hosts to maximum value
- D. upgrade the DS3512 to a dual controller system

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

8 / 16

The safer , easier way to help you pass any IT exams.

QUESTION 32

A customer is having major issues backing up a Microsoft SQL Server database whose data is resident on a DCS3700. They are interested in point-in-time copies and integration with Tivoli Storage Manager. What two products should the technical specialist recommend as a solution? (Select two)

- A. DCS3700 Remote Mirroring
- B. DCS3700 FlashCopy/VolumeCopy
- C. Tivoli Storage FlashCopy Manager
- D. Tivoli Storage Productivity Center for Data
- E. Tivoli Storage Manager for Storage Area Networks

Correct Answer: BC

Section: (none)

Explanation

Explanation/Reference:

QUESTION 33

IBM System Storage DS3500 supports which of the following protocols?

- A. FC, CIFS, SAS
- B. FC, SAS, iSCSI
- C. FC, iSCSI, FCoE
- D. SAS, iSCSI, CIFS

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

QUESTION 34

What is the maximum number of I/O groups supported in a SAN Volume Controller clustered system?

- A. 1
- B. 2
- C. 3
- D. 4

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

QUESTION 35

Which of the following statements is true about the DCS3700?

- A. The DCS3700 Storage System occupies 5 rack units.
- B. The minimum number of disk drives installed must be 20.
- C. 8 GB of mirrored cache is standard, expandable to 16 GB.
- D. A maximum of three DCS3700 Expansion Units can be attached.

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

QUESTION 36

A customer is considering real-time compression (RTC) for their highly available NAS environment with 1 GbE and 10 GbE connections. The primary requirement is no changes should be needed for their existing servers, applications, storage or network. The technical specialist been asked to present a general overview of real-time compression and an in-depth product briefing.

Which of the following products would be presented?

- A. IBM SONAS and Tivoli Storage Manager
- B. STN6800 Real-time Compression Appliance

- C. Storwize V7000 with Real-time Compression
- D. PureFlex with 16 Gbps switch Real-time Compression license

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

QUESTION 37

Which tool allows the technical specialist to see the components needed to perform an upgrade on a

9 / 16

The safer , easier way to help you pass any IT exams.

Storwize V7000 and get a list price of the costs?

- A. eConfig
- B. COMP database
- C. DS Capacity Planning Tool
- D. Standalone Solutions Configuration Tool (SSCT)

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

QUESTION 38

A customer wants to deploy a 6 TB database using Storwize V7000. The exhibit shows the Disk Magic model that was created to predict the performance. When the system was deployed the service times at different IOPS were consistently longer than forecasted by Disk Magic. What might cause this situation?

- A. Disk Magic defaults to Easy Tier enabled
- B. Disk Magic Used Capacity was understated in the model
- C. Actual performance will increase over time as the cache warms up
- D. Disk Magic is a marketing tool so it always overestimates performance

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

QUESTION 39

A customer has captured disk performance information from a Microsoft Windows server and has it stored in a name.csv file format. Which application can be used to import this name.csv file to model a disk solution?

- A. IBM Disk Magic
- B. IBM DS Capacity calculator

- C. IBM ProtecTIER TS7600 planning tool
- D. Tivoli Storage Productivity Center Select

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

QUESTION 40

Which resource would give a technical specialist a competitive side-by-side comparison of different vendors' products?

10 / 16

The safer , easier way to help you pass any IT exams.

- A. eConfig
- B. InfoCenter
- C. Sales Manual
- D. Storage Competitive Sales Tool

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

QUESTION 41

What is the competitive advantage of a Storwize V7000 solution compared to midrange disk systems from EMC, Dell, HP, HDS?

- A. only the Storwize V7000 provides 99.999% availability
- B. only the Storwize V7000 has thin provisioning as a standard feature
- C. only the Storwize V7000 can virtualize disk systems from other vendors
- D. only the Storwize V7000 can have SAS, FC, and solid-state drives installed in one cabinet

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

QUESTION 42

A customer has a requirement to begin archiving data for a lifecycle management initiative. The customer needs to use software for archiving and retrieving the data, and a magnetic tape library for long term retention where data must be protected from being overwritten. Initially there will be 7 TB of storage

11 / 16

The safer , easier way to help you pass any IT exams.

needed with a projected growth of 2 TB a year over the next two years. The technical specialist must develop a solution that will fit the above needs.

What software and hardware solution would meet the customer's requirements?

- A. Tivoli Storage Manager FastBack with a TS3100 LTO-5 library and WORM media
- B. Tivoli Storage Manager Extended Edition with a TS3100 LTO-5 Library and WORM media
- C. Tivoli Storage Manager FastBack with a TS3100 LTO-5 library and Standard LTO-5 Media
- D. Tivoli Storage Productivity Center for Data with a TS3100 LTO-5 library and WORM Media

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

QUESTION 43

A technical specialist has been asked to design a solution to address a video imaging archiving need. The customer needs to store images on disk for 90 days then keep them on tape for a period of 7 years. There will be little access to the data once it is written initially, unless it is needed for legal reasons. There is no need for high performance and the video files are quite large in size. Initially, there will be 20 TB of data to be archived with an estimated annual growth of 50 percent for the next five years. The customer wants to add the tape system into a 42U rack and wants to be able to scale the tape system for more cartridge slots and more drives. What solution should the technical specialist recommend to meet these requirements?

- A. TS3500 with LTO-5 drives
- B. TS3100 with LTO-5 drives
- C. TS3310 with LTO-5 drives
- D. TS3200 with LTO-5 drives

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

QUESTION 44

The customer is having a problem adding LUNs from a SAN-attached DS5020. The LUNs are showing up multiple times. The hosts are running Windows 2008 R2 Enterprise. How can this situation be resolved?

- A. install RDAC for DS5020
- B. check the default HBA settings
- C. install IBM MPIO Device Specific Module (DSM)
- D. install SDDDSM drivers and update HBA firmware

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

QUESTION 45

A sales specialist is asked to provide a briefing for a customer and has been told that the data center implementation team will attend. When developing the agenda for this meeting, what area should receive the most focus?

- A. Strategic industry insight
- B. Cost savings and system efficiencies
- C. High level product plans and directions
- D. Detailed product descriptions and configurations

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

QUESTION 46

The sales specialist has been asked to provide a briefing for a customer and has been told that the CTO will attend.

When developing the agenda for this meeting, what area should receive the most focus?

- A. Strategic industry insight
- B. Cost savings and system efficiencies
- C. High level product plans and directions

13 / 16

The safer , easier way to help you pass any IT exams.

- D. Detailed product descriptions and configurations

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

QUESTION 47

A loyal customer is replacing their existing storage of less than 30 TB. They have shared that they are extremely tight on floor space and would like to save as much space as possible. Which of the following solutions would require the least amount of rack space for this customer?

- A. DS5300
- B. N7950T
- C. XIV system
- D. Storwize V7000

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

QUESTION 48

Which of the following best describes LTO-5 specifications for cartridge capacity and throughput with compression?

- A. 800 GB / 120 MB/sec
- B. 1.0 TB / 140 MB/sec

- C. 3.0 TB / 280 MB/sec
- D. 4.0 TB / 480 MB/sec

14 / 16

The safer , easier way to help you pass any IT exams.

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

QUESTION 49

A customer wants a NAS environment for both NFS and CIFS. The customer is concerned with the amount of rack space they will need for their environment. It is estimated that 100 disks will be needed. To efficiently use rack space which of the following will provide the best combination?

- A. To get the most dense package install the Storwize V7000 Unified file modules directly attached to the DCS3700.
- B. To get the most dense package install DCS3700 as storage behind Storwize V7000 Unified for both NFS and CIFS users to avoid extra Storwize V7000 expansion trays.
- C. To get the most dense package install DCS3700 as storage behind a Storwize V7000 Unified for the NFS requirements, and internal Storwize V7000 disks for the CIFS users.
- D. To avoid a complex environment with mixed storage install a Storwize V7000 cluster under the Storwize V7000 Unified to get enough disks for both NFS and CIFS environments.

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

QUESTION 50

A customer's backup window is six hours. However, their backups are now taking seven to eight hours. They are looking for a solution to resolve this problem, and are ready to have a product discussion. What technology should the storage specialist discuss at the next meeting?

- A. Virtual tape
- B. Thin provisioning
- C. Data minimization
- D. Automated tiering

15 / 16

The safer , easier way to help you pass any IT exams.

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:



<http://www.gratisexam.com/>