

IBM 000-452 Exam Questions & Answers

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IBM 000-452 Exam Questions & Answers

Exam Name: IBM Storwize V7000 Technical Solutions V2

Exactquestions

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

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 3

On the Storwize V7000, which IBM utility analyzes the expected compression savings for an existing volume containing data considered for compression?

- A. Comprestirate
- B. Comprestimator
- C. Comprestimetric
- D. Comprestanalyzes

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:

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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?

- 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?



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- 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 statements is true about the Storage Tier Advisor Tool (STAT) utility when used with the IBM Storwize V7000?

- A. STAT is used to view performance data that is collected by Easy Tier.
- B. STAT compiles usage information about volumes and pools to produce upgrade forecasts.
- C. STAT is a command line utility that collects the latest five minutes of performance data.
- D. Tivoli Storage Productivity Center uses STAT to collect performance statistics from the Storwize V7000.

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

QUESTION 8

A customer has HP and EMC midrange storage systems. Their main concern is that they have multiple management applications for these systems and they want to be sure they have efficient utilization of their storage.

Which of the following IBM products would assist with consolidation and meet their needs?

- A. Easy Tier
- B. IBM Systems Director
- C. Storwize V7000 Unified
- D. TS7610 ProtecTIER Appliance

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

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QUESTION 9

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 10

A customer has an installed DS3524 and requests advice on how to add capacity to an existing logical drive. The technical specialist advises that hard drives need to be added to the array group first to provide the capacity to do the update.

What operations are performed within the DS3524 operating system to achieve the upgrade?

- A. Dynamic RAID migration

- B. Dynamic Array Expansion only
- C. Dynamic Volume Expansion only
- D. Dynamic Array Expansion and then Dynamic Volume Expansion

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

QUESTION 11

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 12

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:

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QUESTION 13

A customer has two locations, each with a storage system connected to a Fibre Channel SAN. They want to replicate between the storage systems across their WAN, and the storage systems can replicate only over Fibre Channel.

Which of the following protocols would be used?

- A. FCIP
- B. iSCSI
- C. Ethernet

D. Fibre Channel

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

QUESTION 14

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 15

Which statement is true about disk extents in Storwize V7000?

- A. Extent size directly impacts the maximum volume size
- B. MDisk in a storage pool can have different extent sizes
- C. All MDisk in a storage pool have the same number of extents
- D. Extent size is common across the system and cannot be changed

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

QUESTION 16

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 17

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.
- 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 18

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 19

A customer wants to implement a high availability solution split across two remote sites located 1 km apart. They are considering one dual node N series system. What should the technical specialist recommend?

- A. N3220-A22 and SnapMirror over IP
- B. N6240-C21 and SnapMirror over FCP
- C. N6240-E21 and Fabric MetroCluster
- D. N3240-A24 and Stretch MetroCluster

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

QUESTION 20

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 21

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 22

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 23

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 24

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 25

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 26

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 27

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:

QUESTION 28

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 29

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 30

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 31

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 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

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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 would like to see how performance has improved with the DS5020 compared to their existing DS4800 they are looking to replace.

Which tool would be used to help determine performance differences?

- A. Disk Magic
- B. Capacity Magic
- C. Storage Manager
- D. DS Capacity Planning Tool

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

QUESTION 40

What tool should be used to size an IBM N series for performance?

- A. eConfig
- B. Disk Magic
- C. Capacity Magic
- D. System Performance Modeler

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

QUESTION 41

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

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

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

QUESTION 42

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 43

The exhibit shows a non-IBM tape library setup, where Fabric A, in addition to controlling tape drives 1 through 3, also controls the tape library controller. In the event of Fabric A loss, all control between host and library would be lost and all drives become inaccessible. With an equivalent IBM library, in the event of Fabric A failure, which drives would be affected?

- A. all drives would be inaccessible, as the only path to the controller is lost
- B. all drives would be accessible as IBM provides control paths via the tape devices meaning multiple control paths exist
- C. all drives would be accessible due to the redundant control path on Fabric B (all IBM libraries provide dual-path controllers as standard)
- D. drives 1 through 3 would be inaccessible, but drives 4-6 would continue to function due to the redundant control path on Fabric B (all IBM libraries provide dual-path controllers as standard)

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

QUESTION 44

A prospective customer is looking to upgrade their existing x86 and UNIX infrastructure. They would like ease of implementation, and the new system to have access to their existing EMC/IBM SAN and allow connectivity to their 1GbE switches while at the same time capable of FCoE at 10GbE bandwidth. They are considering IBM PureFlex System and UCS vBlock for this project.

Which of the following statements is true?

- A. PureFlex System must connect to external storage directly via Fibre Channel.
- B. UCS Manager provides support to both x86 / UNIX servers and uses service profile to simplify deployment and server firmware upgrade.
- C. PureFlex System utilizes storage virtualization to access a wide variety of third party storage systems and provides connectivity to 1GbE/10GbE and FCoE technology.
- D. UCS vBlock System utilizes storage virtualization to access a wide variety of third party storage systems and provides connectivity to 1GbE/10GbE and FCoE technology.

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

QUESTION 45

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

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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 46

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 47

Where would the technical specialist find the clearance specification for a TS3500 Tape Library?

- A. Operator's Guide
- B. Introduction and Planning Guide
- C. System Storage Interoperation Center (SSIC)
- D. Standalone Solutions Configuration Tool (SSCT)

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

QUESTION 48

What is an RPQ?

- A. The RPQ process is to Request Promotional Quote (RPQ) for IBM goods and services.
- B. An RPQ is a customer request for non-standard IBM hardware, software or services offerings.
- C. RPQ is used to Receive Performance Queries (RPQ) by scripting the DS Storage Manager software.
- D. An RPQ is an IBM process to Resolve Possible Questions (RPQ) within a pre-sales TDA meeting with the customer.

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

QUESTION 49

A customer obtained special support for a switch to be used with a Storwize V7000 that was not on the supported interoperability list.

If the customer experiences a problem with interoperability and contacts IBM support, what must the customer present to IBM to obtain support of the switch?

- A. the RPQ number
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- B. the TechXpress ID
- C. the Interoperability Request ID
- D. there is no change in the support process

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

QUESTION 50

During a customer meeting to plan the installation for two Storwize V7000 Unified systems, the customer details the following requirements.

Which solution could potentially cause a problem at installation time unless corrected?

- A. The customer would like to use the iSCSI host port interface on the Storwize V7000 to provide block based storage to a community of Windows 2008 R2 servers
- B. The spare Fibre Channel host ports on the Storwize V7000 will be directly connected to a SAN6B-R protocol router for block based replication to a remote site.
- C. The 1Gb Ethernet interface will be used for customer data and the management of the Storwize V7000 Unified system. The customer data and the management of the system must be on separate VLANs.
- D. The 10Gb Ethernet will only be used for customer data and is to be the preferred environment for file replication to a remote site. There are Active directory servers at both sites and services for Unix will be required.

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

QUESTION 51

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 52

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 53

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
- D. Detailed product descriptions and configurations

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Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

QUESTION 54

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

Which of the following benefits 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:

QUESTION 55

Which of the following would provide the annual power costs for an EMC VNX Series system?

- A. RAFS
- B. TCO_{now}!
- C. Capacity Magic
- D. System Storage Product Guide

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

QUESTION 56

A customer wants to purchase storage for a new messaging project to be implemented within the next nine months.

Which of the following would be the best question to ask FIRST?

- A. What speed disks does the customer want, and what form factor?
- B. What operating systems will attach, and what are the I/O requirements for the servers?
- C. Which backup vendor does the customer currently use and how often do they do a full backup?
- D. Which SAN vendor does the customer currently have, and what speed are the switches and directors?

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

QUESTION 57

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 58

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

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Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

QUESTION 59

A customer currently has 200 departmental servers with 1500 concurrent users providing home directories, and file and print services. Currently each server has internal storage. They are considering virtualizing the servers across several campus locations, and would like to provide consolidated storage to their users. What features of the Storwize V7000 family meets the customer's requirement?

- A. ILM through GPFS
- B. Easy Tier Support with SSD
- C. Metro and Global Mirroring support
- D. Multiple block and file protocol support

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

QUESTION 60

The sales specialist has an opportunity to recommend a new storage controller for a customer who has the following servers: Sun with Solaris, HP with HP-UX, x86 with Windows, and x86 with Linux. The customer has mentioned that "there are too many cables coming out of the back of our servers". What can be concluded from this information?

- A. The customer might be interested in virtualizing the large number of servers using Storwize V7000 or SVC
- B. The customer might be interested in mixing data types such as CKD and FB due to the large number of different servers
- C. The customer data is mostly CKD format, and thus might be interested in fast storage like a Storwize V7000 with fast SAS drives
- D. The customer might be interested in a consolidated network solution that includes FCoE while the type of disk needed is still unknown

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

QUESTION 61

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 62

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
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- B. Thin provisioning
- C. Data minimization
- D. Automated tiering

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

QUESTION 63

A customer is in need of a new tape solution. They need a system that will provide a capacity of at least 100 TB with the ability to complete backups within 4 hours. Daily backups consist of video images that cannot be compressed.

What should the sales specialist recommend as the most cost effective solution?

- A. TS3100 with 2 LTO-5 drives
- B. TS3200 with 4 LTO-5 drives
- C. TS3310 with 2 LTO-5 drives
- D. TS3500 with 4 LTO-5 drives

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

QUESTION 64

There is a customer with a lights-out environment where all administration is done remotely. All equipment is

installed by a third party group or by the equipment vendor. The customer is expanding their NAS storage and they want to use Storwize V7000 Unified.

Which of the following is a focus point that will be needed for this customer?

- A. Check that the Call Home interface is set up so that remote administration can take place.
- B. Check that the customer's servers are running the proper drivers to work with the Storwize V7000 Unified.
- C. Check that there is an installation team with the ability to install and configure the Storwize V7000 Unified.
- D. Check that the customer has 10 Gbps Ethernet capabilities to attach the Storwize V7000 Unified as the 10 Gbps is required.

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

QUESTION 65

As part of a consolidation plan, an insurance customer wants to automate their backup needs. The environment includes:

2 Power servers running AIX

4 System x servers running Windows 2008

1 System z server running z/OS

They have analyzed their bandwidth and capacity requirements, and will require 4 tape drives and approximately 100 TB cartridge capacity.

Which of the following would best meet their requirements?

- A. TS3310 with 4 TS1050 drives
- B. TS3310 with 4 TS1140 drives
- C. TS3500 with 4 TS1050 drives
- D. TS3500 with 4 TS1140 drives

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

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