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Exam Code: 000-452

Exam Name: IBM Storwize V7000 Technical Solutions V2



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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

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

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 5

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



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- A. IBM Systems Director
- B. SAN Volume Controller

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- C. Tivoli Storage Manager
- D. Tivoli Storage Productivity Center

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

QUESTION 6

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 7

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 8

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 9

Which statement is true about disk extents in Storwize V7000?

- A. Extent size directly impacts the maximum volume size
- B. MDisks in a storage pool can have different extent sizes
- C. All MDisks 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 10

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 11

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 12

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 13

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 14

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 15

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 16

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 17

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 18

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 19

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 20

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 21

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 22

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?



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- 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 23

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 24

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 25

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

- A. RAFS
- B. TCOnow!
- C. Capacity Magic
- D. System Storage Product Guide

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

QUESTION 26

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 27

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 28

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 29

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 30

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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QUESTION 31

On the Storwize V7000 which statement about Global Mirror with the Change Volume feature is correct?

- A. Change Volume cannot be used with consistency group
- B. the minimum cycle time for a replication is 5 minutes
- C. flash copies for consistency purpose are created at the remote site only
- D. the flash copies are automatically created for consistency purposes at both sites, and are mountable on a host server

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

QUESTION 32

Which of the following IBM FlashSystem implementations is recommended with Storwize V7000?

- A. Use IBM FlashSystem for CIFS volumes
- B. Use IBM FlashSystem for CIFS metadata
- C. Use cache-disabled volume mirrors across the IBM FlashSystem and internal Storwize V7000 drives
- D. Mark IBM FlashSystem managed disks as "generic_ssd" and add them to Easy Tier pools

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

QUESTION 33

When using the migration wizard, which of the following can be migrated?

- A. SAN boot images
- B. Windows clustered systems
- C. VMware ESX hosts which are set to allow volume copies to be recognized
- D. Raw device mapping

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

QUESTION 34

Which IBM tool will advise the Storwize V7000 administrator when to migrate a volume from one pool to another?

- A. IBM Storage Tier Advisor tool
- B. TPC Tiered Storage Optimization tool
- C. Disk Magic
- D. Storwize GUI

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

QUESTION 35

On a Storwize V7000 how are volume snapshots implemented on a thin provisioned target?

- A. Writes to the snapshot source are redirected to a new area of disk
- B. A snapshot pool is used to allocate data when needed
- C. Extents and grains are pre-allocated as data is written to the snapshot target
- D. A hash algorithm is used to detect differences between source and target

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

QUESTION 36

The customer wants to buy a Storwize V7000 but needs support for a operating system which is currently not supported.

What is the formal process to request support?

- A. submit a SCORE/RPQ through IBM
- B. submit a request via IBM PartnerWorld
- C. submit a request via Storwize V7000 InfoCenter
- D. submit a request via System Storage Interoperation Center (SSIC)

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

QUESTION 37

To be considered eligible as a quorum disk on the Storwize V7000, a LUN must meet what criteria?

- A. it must be visible from at least one of the nodes on the system
- B. it must be an unmanaged disk
- C. it has been manually allowed to be a quorum disk candidate
- D. it must be an image mode disk presented by a subsystem that is supported

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

QUESTION 38

Which protocol is used to transmit file replication data in a Storwize V7000 Unified?

- A. SSH
- B. NFS
- C. FCoE
- D. FCIP

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

QUESTION 39

Which of the following workload types is best suited for a file system solution?

- A. OLTP (SAP)
- B. Medical Imaging
- C. Microsoft SQL Server
- D. Customer Relations Application

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

QUESTION 40

An AIX administrator wants to run a script from a host to automatically compress Storwize V7000 block volumes mapped to the host.

Which task needs to be performed to give the host access?

- A. An SSH private key must be uploaded to the cluster
- B. An SSH public key must be uploaded to the cluster
- C. A password must be added to the cluster

D. A TPC storage resource agent must be authenticated on the cluster

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

QUESTION 41

An existing Tivoli Storage Manager (TSM) customer is looking at different NAS or file based storage devices.

How will TSM backup the filesystems on the Storwize V7000 Unified?

- A. TSM agent embedded in the Storwize V7000 Unified
- B. TSM FastBack embedded in the Storwize V7000 Unified
- C. TSM server embedded in the Storwize V7000 Unified
- D. TSM Suite for Unified Recovery embedded in the Storwize V7000 Unified

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

QUESTION 42

What ensures application consistency of replicated volume targets?

- A. File system locks
- B. Consistency groups
- C. FlashCopy manager
- D. Asynchronous data transfer

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

QUESTION 43

Customer requirements specify a configuration with 15,000 rpm drives that must be balanced for performance in the respective storage pools.

How will the Storwize V7000 architecture satisfy this requirements?

- A. data will be uniformly spread across multiple storage pools
- B. creates arrays with equal capacity and performance characteristics
- C. automatically select a RAID level that is appropriate for the application specified
- D. configures a setup with the maximum usable capacity, depending on the selected RAID level

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

QUESTION 44

Thin provisioning in the Storwize systems is designed to start thin and stay thin.

How is this in the Storwize systems?

- A. Hyperfactor
- B. Data Compression
- C. Space Reclamation
- D. Zero detect on write

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:



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