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Vendor: IBM

Exam Code: 000-958

Exam Name: Enterprise Storage Technical Support V3

Version: Demo

QUESTION NO: 1

A customer has just learned that a brand new TS7650G ProtecTIER installation will not run as a virtual tape library with Symantec's NetBackup OST feature concurrently.

When should this implementation situation have been discovered?

- A. The Pre-Sales site survey
- B. The Pre-Install Technical and Delivery Assessment
- C. The Solution Communication Vehicle (PTSCV) spreadsheet
- D. The pre-qualification task performed by the subject matter expert for the disk arrays

Answer: B

QUESTION NO: 2

Which function controls host access to a volume in a switched fabric?

- A. LUN masking
- B. Port masking
- C. Private loops
- D. Buffer to buffer credits

Answer: A

QUESTION NO: 3

A customer has a large non-IBM storage environment, EMO and HDS, with a mixture of VMware, Linux, Unisys mainframe and Windows, including Windows 2003, based hosts. The customer is very interested in XIV storage and the technical specialist has been asked to provide an IBM XIV storage solution with a migration plan to replace his current storage environment.

What is the biggest obstacle to an all IBM solution?

- A. VMware is not supported on XIV
- B. Windows 2003 is not supported on XIV
- C. HDS storage cannot be migrated to XIV
- D. Unisys mainframe is not supported on XIV

Answer: D

QUESTION NO: 4

What is the maximum number of drives supported in a SONAS single array?

- A. 2048
- B. 4096
- C. 7200
- D. 10000

Answer: C

QUESTION NO: 5

A customer with a DS8800 believes that additional host ports need to be connected into the SAN environment. Which resource or application would be used to determine whether the customer's suspicions are correct?

- A. IBM Tivoli NetCool
- B. Tivoli Storage Productivity Center
- C. Storage Manager Performance Monitor
- D. D58999 Performance Monitoring and Tuning Redbook

Answer: B

QUESTION NO: 6 HOTSPOT

The exhibit represents the XIV Gen3 GUI. Click on the icon that shows the "QOS Performance Class" option.



Answer:



QUESTION NO: 7

How does the weight and height reduction delivery option change the delivery configuration of a XIV Gen3?

- A. Removes all of the modules from the rack and ships them separately
- B. Removes the top four modules from the rack and ships them separately
- C. Removes all of the modules and UPSes from the rack and ships them separately
- D. Removes the top four modules and UPSes from the rack and ships them separately

Answer: D

QUESTION NO: 8

Easy Tier on a DS8800 in Automatic Mode performs its operations at which level?

- A. LUN
- B. Rank
- C. Extent
- D. Array site

Answer: B

QUESTION NO: 9

A customer is building a VMware infrastructure for several hundred VM guests. Many of these guests run mission-critical applications with large numbers of users.

Which feature of XIV Gen3 should be emphasized with this customer?

- A. Ease of creating volumes with the GUI
- B. Ability to create several thousand snapshots of volumes
- C. Detailed performance history can be exported from the array
- D. Data is spread over all the drives in the system, eliminating hot spots

Answer: C

QUESTION NO: 10

A technical specialist is in a discussion with a customer regarding changing the customer's

storage environment from EMC to IBM. They are describing the environment.

Which host environment causes the most design challenges?

- A. Unisys mainframe
- B. Windows boot from SAN
- C. Microsoft Cluster Server
- D. AIX including versions back to 4.3

Answer: D

QUESTION NO: 11

While discussing evaluation criteria for storage acquisition, a customer uses the following phrases: "acquisition cost," "software licenses," "staffing," and "ongoing maintenance cost."

Which financial term best corresponds to the customer's discussion points?

- A. TCO
- B. RTO
- C. NPV
- D. IRR

Answer: A

QUESTION NO: 12 HOTSPOT

The exhibit represents the heat map for a DS8800. Click on the volume that would benefit most from Easy Tier.

Volume ID ^{*5}	Configured Size ^{*6}	Tier	Capacity on Tier ^{*7}	Heat Distribution ^{*8}
0x80c0	100G	SSD Tier	44G	44G
		Enterprise Tier	19G	15G 4G
		NL Tier	27G	27G
0x80c1	100G	SSD Tier	49G	44G 5G
		Enterprise Tier	7G	4G 5G
		NL Tier	44G	37G 7G
0x80c2	100G	SSD Tier	38G	37G 1G
		Enterprise Tier	10G	5G 5G
		NL Tier	52G	42G 10G
0x80c3	100G	SSD Tier	18G	18G
		Enterprise Tier	19G	5G 14G
		NL Tier	10G	10G
0x80c4	100G	SSD Tier	61G	3G 58G
		Enterprise Tier	0G	
		NL Tier	39G	39G
0x80c5	100G	SSD Tier	2G	2G
		Enterprise Tier	0G	
		NL Tier	98G	98G
0x80c6	100G	SSD Tier	8G	8G
		Enterprise Tier	0G	
		NL Tier	92G	92G
0x80c7	100G	SSD Tier	5G	5G
		Enterprise Tier	0G	
		NL Tier	95G	95G
0x80d0	100G	SSD Tier	73G	73G
		Enterprise Tier	0G	
		NL Tier	27G	27G

Answer:

Volume ID ^{*5}	Configured Size ^{*6}	Tier	Capacity on Tier ^{*7}	Heat Distribution ^{*8}
0x80c0	100G	SSD Tier	44G	44G
		Enterprise Tier	19G	15G 4G
		NL Tier	27G	27G
0x80c1	100G	SSD Tier	49G	44G 5G
		Enterprise Tier	7G	4G 5G
		NL Tier	44G	37G 7G
0x80c2	100G	SSD Tier	38G	37G 1G
		Enterprise Tier	10G	5G 5G
		NL Tier	52G	42G 10G
0x80c3	100G	SSD Tier	18G	18G
		Enterprise Tier	19G	5G 14G
		NL Tier	10G	10G
0x80c4	100G	SSD Tier	61G	3G 58G
		Enterprise Tier	0G	
		NL Tier	39G	39G
0x80c5	100G	SSD Tier	2G	2G
		Enterprise Tier	0G	
		NL Tier	98G	98G
0x80c6	100G	SSD Tier	8G	8G
		Enterprise Tier	0G	
		NL Tier	92G	92G
0x80c7	100G	SSD Tier	5G	5G
		Enterprise Tier	0G	
		NL Tier	95G	95G
0x80d0	100G	SSD Tier	73G	73G
		Enterprise Tier	0G	
		NL Tier	27G	27G

QUESTION NO: 13

A customer has a large repository of geophysical data (>500 TBs and growing). This data is primarily in larger single- file datasets. This customer would like to reduce their overall cost, floor space, and power consumption. The customer has also communicated that the data must be accessible as a file system and provide reasonable access times.

Which technology best meets these customer needs?

- A. SONASu5ingXIV
- B. TS3SOO using LTFS
- C. SAN Volume Controller with SSD
- D. ProtecTIER and Tivoli Storage Manager

Answer: A

QUESTION NO: 14

What are the main logical components in the DS8000?

- A. Volumes, extents, and file systems
- B. Volumes, extent pools, and arrays
- C. Virtual disk, managed disk, and LUNs
- D. Arrays, managed disk groups, and managed disks

Answer: A

QUESTION NO: 15

A customer's OPEX and CAPEX costs associated with their current storage estate are growing rapidly. Which tool shows the financial benefits of moving to an IBM storage estate?

- A. TCOnow!
- B. eConfig
- C. Disk Magic
- D. Capacity Magic

Answer: B

QUESTION NO: 16

How many cache controllers does a fully-loaded IBM Virtualization Engine TS7720 with a base frame and expansion frame contain?

- A. 1
- B. 2
- C. 3
- D. 10

Answer: B

QUESTION NO: 17

What happens when XIV with SSD caching installed suffers an SSD failure?

- A. SSD caching is disabled on all modules.
- B. The complete module with the failed SSD cache is taken off-line.
- C. SSD caching continues, but is unbalanced as one module has no SSD cache.
- D. The degraded module reads from its DRAM cache and disk, and all small read misses are redirected to the secondaries.

Answer: A

QUESTION NO: 18

Which statement is true about Capacity Magic outputs?

- A. They are input directly into eConfig.
- B. They are used as an input into Disk Magic.
- C. They are used to provide the number and size of drives.
- D. They are used to determine the overall performance of a solution.

Answer: C

QUESTION NO: 19

A Business Partner has completed the sale of an XIV Gen3. What is the most important step to ensure customer satisfaction?

- A. Discuss delivery requirements with the customer
- B. Conduct a pre-install Technical Delivery Assessment
- C. Ensure the customer has prepared all necessary network cabling
- D. Ask the customer if they have power installed for the new system

Answer: D

QUESTION NO: 20

A customer has asked that IBM propose a solution to replace a data warehouse that currently resides on two EMO DMX systems. Several staff retired recently, and there is one remaining junior storage administrator. The current solution has approximately 200 usable TB of storage and sees maximum throughput at just under 600 MB/sec and 30,000 IOPS.

Which solution should be proposed?

- A. A D58700 with 3 TB drives
- B. A Storwize V7000 with 3 TB drives
- C. SONAS configuration with 3 TB Drives
- D. A full frame XIV Gen3 with 3 TB drives

Answer: C

QUESTION NO: 21

What is the function of a T33501J Service Bay?

- A. Provides access to tape drives
- B. Provides access to the second tape robot
- C. Provides access to tape drive cleaning tapes
- D. Provides storage for a third replacement robot

Answer: B

QUESTION NO: 22

Which XIV Gen3 feature can be included to prevent damage in a catastrophe?

- A. Security option
- B. Ruggedized option
- C. Anti-flooding option
- D. Anti-high frequencies option

Answer: D

QUESTION NO: 23

For a D38800, a second redundant Hardware Management Console (HMC) is recommended in which of the following scenarios?

- A. Adding more than two expansion bays
- B. Capture historic performance data using the native tools
- C. Implement an environment that uses TKLM encryption management
- D. Emergency power off the DS88FJO frame after main power input failure

Answer: B

QUESTION NO: 24

A customer is planning the installation of a new SAN Volume Controller cluster in their S Gbps Brocade environment. They have asked the technical specialist for potential configuration oversights.

What should the technical specialist recommend to the customer?

- A. Ensure the principal and subordinates are segmented
- B. Utilize hard zoning for hosts to access the SAN Volume Controller
- C. Set the fill word mode to 3 for the SAN Volume Controller connections
- D. Open the SAN Volume Controller management IP address for routine security scanning

Answer: B

QUESTION NO: 25

A customer has a SONAS solution and is using Tivoli Storage Manager HSM. The customer wants to integrate SONAS with HSM to migrate low-use data to a tape-based storage platform.

Which action is needed for this integration project?

- A. install the client side software on the SONAS
- B. create a TSM DB Backup to send off-site on tape media
- C. validate the readability of the data against the metadata
- D. obtain the client licenses based on the number of SONAS interface nodes

Answer: C

QUESTION NO: 26

A customer with Brocade-based fabrics is looking for a quick and simple cost-effective method to gather information about the SAN environment. The informational items desired include total number of active ports, unused ports by switch, ISL oversubscription ratios, and a Visio diagram.

What should the technical specialist suggest to the customer?

- A. Brocade SAN Health
- B. IBM Directorv6.3.1
- C. Tivoli Storage Manager
- D. Tivoli Storage Productivity Center Select

Answer: C

QUESTION NO: 27

Which of the following is a new capability of LTES Library Edition V2.1 .1 with the IBM TS3500 Tape Library?

- A. LTO-5 and IBM enterprise tape drives are supported.
- B. CIFS and NFS fileshares can be easily migrated to tape.
- C. Archival data can be migrated from file servers directly to tape.
- D. Tivoli Storage Manager server provides host mount points for LTFS.

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