Enterprise Storage Technical Support v3

IBM 000-958 Exam Questions & Answers

Exam Name: Enterprise Storage Technical Support V3

QUESTION 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

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:

QUESTION 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

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:

QUESTION 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

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:

QUESTION 4
What is the maximum number of drives supported in a SONAS single array?

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

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:

QUESTION 5
Easy Tier on a DS8800 in Automatic Mode performs its operations at which level?

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

Correct Answer: B
Section: (none)
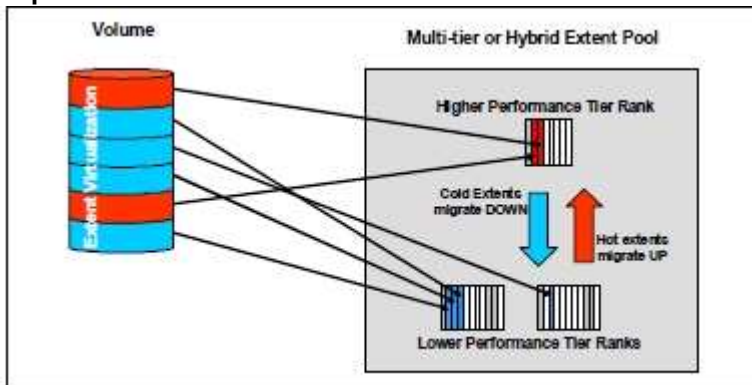**Explanation**

Explanation/Reference:

Figure 2-1 Easy Tier Automatic Mode

Higher-performance tiers can become overloaded in hybrid extent pools and potentially degrade overall pool performance. To avoid this situation, Easy Tier Automatic Mode monitors the performance of the ranks and triggers the movement of selected extents from the higher-performance tier to the lower-performance tier. This action is based on predefined bandwidth or IOPS overload thresholds.

This automatic operation is rank-based and the target rank is randomly selected from the lower tier. Warm demotion has the highest priority to quickly relieve overloaded ranks. Easy Tier continuously ensures that the higher-performance tier does not suffer from saturation or overload conditions that might affect the overall performance in the extent pool.

QUESTION 6
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

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:

QUESTION 7
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

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:

QUESTION 8
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

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:

QUESTION 9
For a DS8800, 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 DS8800 frame after main power input failure

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:

QUESTION 10
A D38800 has Easy Tier enabled and Easy Tier data collection is set to AutoMode.
Which performance statistics are collected?

A. All multi-tier volumes
B. Homogeneous drive volumes
C. Volumes with ETMonitor set to automode
D. Easy Tier managed volumes with IOPmode set to managed

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:

QUESTION 11
Which statement is true about the Easy Tier functionality that is available on the DSS000, SAN Volume
Controller, and Storwize V7000 storage product families?

A. Easy Tier is automatically supplied with the D58700/D58800 P6.3.
B. Easy Tier D58700/DS8800 P6.3 has two modes of operation: automatic and manual.
C. The Easy Tier functionality is identical on the D58700/DS8800 P6.3 and SAN Volume Controller/Storwize
   V7000 6.4 code.
D. When using copy service on the DS8000 Easy Tier optimization of data on the primary system, it is reflected
   at the secondary.

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:

QUESTION 12
A customer has just installed a ProtecTIER TS7620 SM2, and has accessed the PT Manager for the first time.
Where would the implementation engineer fulfill Registration, E-mail Alerts, and Call Home configuration setup?

A. File->Configuration
B. Node -> Configuration
C. System -> Configuration

D. System -> User Management

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:

QUESTION 13
A technical specialist is holding a general discussion with a customer who has a large volume of block and file data. The customer tells the specialist that their company's storage maintenance is coming up for renewal and that they are facing pressure from within the company to adopt a Cloud Strategy. The customer's main technical concern is to avoid downtime with migration. Which solution provides native support for this strategy?

A. XIV
B. DS8000
C. StorwizeV7000
D. Storwize V7000 Unified

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:

QUESTION 14
A System z customer running z/OS Vi .11 is using a single D58801J storage system with Easy Tier enabled. Storage performance for a business critical application needs to improve to handle end-of-month and end-of-quarter processing. The customer requires minimal disruption to operations. Which feature or action should the technical specialist recommend to the customer to improve performance for this application?

A. Install a megapack of SSDs
B. Enable and configure I/O Priority Manager
C. Increase the installed cache of the D58800
D. Adjust the cache block size used by the D58800

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:

QUESTION 15
A customer wants to add a fully populated BladeCenter chassis to their existing core-edge SAN.
They have suffered performance issues in the past due to congestion and over-utilization of inter-switch links (ISL).
The customer has asked what is the best practice guideline concerning ISL oversubscription ratio.
Which one of the following ratios does the technical specialist provide?

A. 1:1
B. 10:1
C. 20:1
D. 50:1

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:

QUESTION 16
A DS8800 logical volume is composed of a set of what?

A. Extents from one extent pool
B. Extents from both server groups
C. Extents from only one array site
D. Extents from a multiple array rank

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:

QUESTION 17
To effectively perform a comparative analysis, a customer needs to compare the form, function, and features of
IBM technology to equivalent technology from EMC.
Where can the technical specialist find this information?

A. TCOnow!
B. CompeteLine
C. Alinean tool
D. Storage Performance Council

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:

QUESTION 18
When running on a DS8000, which is the first version of Easy Tier to allow thin Provisioning capabilities over
remote replication (Metro Mirror, Global Mirror, Global Copy, Metro/Global Mirror)?

A. 6.1
B. 6.2
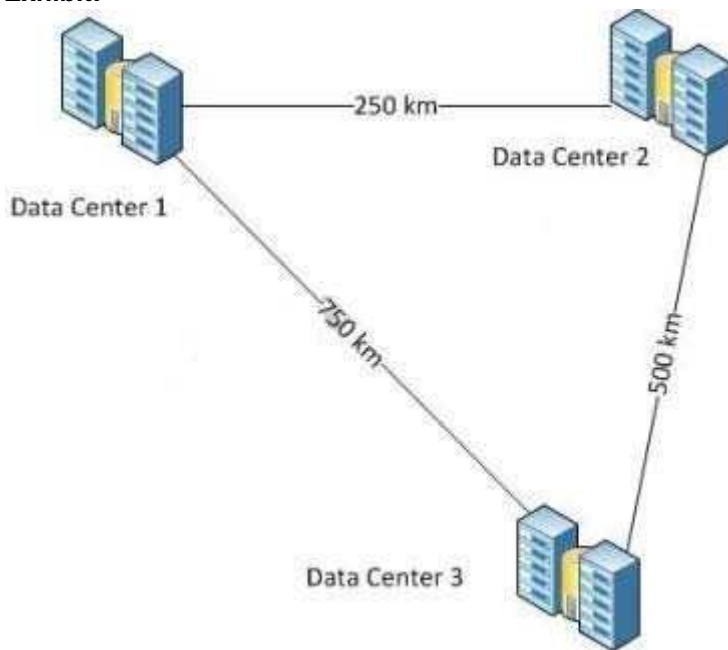C. 6.3
D. 6.4

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:

QUESTION 19
Using the exhibit as a reference, the customer needs to implement a DR/BC solution using a three site copy strategy to meet corporate requirements with a recovery point objective of 5 seconds or less.
Which of the following solutions will meet the customer requirements?

Exhibit:

A. 3-way TS7700 grid
B. XIV with asynchronous mirrors
C. DS8800 with Metro/Global Mirror
D. SAN Volume Controller with Storwize V7000 back-end storage and Global Mirror

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:

QUESTION 20
A customer is talking about the need for high security of data and the compliance department is concerned about the possibility of third parties recovering data that is on failed drives.
Which IBM storage solution should the technical specialist recommend to overcome this problem?

A. XIV Gen3 V11.1
B. ProtecTIER V3.1
C. DS8000 Release 6.3
D. Storwize V7000 V6.4

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:

QUESTION 21
The technical specialist is meeting with the CTO and is discussing the need for a new storage solution to have virtualization.
Which benefit of storage virtualization should the technical specialist emphasize to the customer?

A. Reduces TCO
B. Increases performance
C. Reduces number of servers
D. Increases number of disk drives

Correct Answer: A
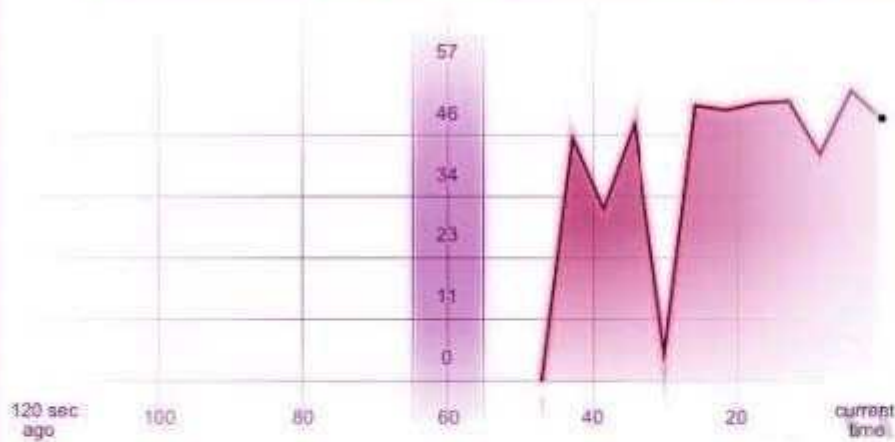**Section: (none)**
Explanation

Explanation/Reference:

QUESTION 22
Using the exhibit as a reference, which product is being accessed?

Exhibit:

Total ... 100794

Volume: ITSO_Blade1_IOmeter

57		
46		
34		
23	IOPS: 100793	
11	BW: 49.2 MBps	
0	Latency: 2.0 MS	

120 sec ago   100   80   60   40   20   current time

Volumes	▼ IOPS	BW(MBps)
ITSO_Blade1_IOmeter	100793	49.2
ITSO_HS22_blade4	1	0.0
Lpar3_lun35	0	0.0
Lpar3_lun34	0	0.0
Lpar3_lun33	0	0.0
Lpar3_lun32	0	0.0
Lpar3_lun31	0	0.0

A. IBM XIV Gen3 Storage System
B. IBM SmartCloud Virtual Storage Center
C. IBM System Storage SAN Volume Controller
D. IBM Tivoli Storage Productively Center V5.1

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:

QUESTION 23

A customer is searching for high-end NAS products in the market looking for compression capability and is comparing N7950T to EMC VNX.
Which key difference should the technical specialist highlight to the customer?

A. Only VNX deduplicates data.
B. N7950T compresses data inline.
C. N7950T needs extra space for compression.
D. Both N7950T and EMC VNX compress data inline.

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:

QUESTION 24
A Business Partner has proposed a solution for the migration of multiple DS4700 systems to an XIV Gen3 with 10 modules.
Which of the following is a migration consideration in this scenario?

A. Each DS4700 LUN will have a single path
B. Only one DS4700 can be migrated at a time
C. DS4700 controller pairs must be defined as a single target
D. Attach multiple target ports from the same DS4700 controller

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:

QUESTION 25
A customer wants a comparison of a public cloud subscription-based solution versus an in-house solution for a new project. The customer has requested a TOO for each solution using a four year solution life cycle.
Which of the following factors should be included as part of the public cloud solution's TOO?

A. Cost per kilowatt hour
B. Installation expenses of new hardware
C. Cost of new server operating system licenses
D. Expected increase of users over the project lifetime

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:

QUESTION 26
A customer is installing a new backup solution. An existing tape library based on TS1120 Tape Drives that was installed on 7 September 2006 is proposed as part of the solution due to lack of customer funds.
Additionally, because of local regulations, any tapes transported between locations require encryption.
What advice should the technical specialist give?

A. Keep the TS1120 drives and implement a chargeable upgrade to enable encryption
B. Keep the TS1120 drives and implement a chargeable upgrade to make them TS1130 drives
C. Replace the TS1120 drives with TS1140 drives, as the TS1120 drives will not support encryption
D. Replace the TSI 120 drives with TS1140 drives, as the TS1 120 drives support only AES2S6 encryption

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:

QUESTION 27
A customer wants to better understand how much recovered storage space will be gained by implementing Real-time Compression (RTC) on their SAN Volume Controller (SVC).
The customer has requested a test method which shows how much space savings could be realized.
Which method would the technical specialist use to show the customer RTC benefit on SVC?

A. Compress a mirrored copy and compare to the source.
B. Back a volume to tape and then use compression during the restore
C. Insert a RTC compression appliance between the SVC and back-end storage
D. Examine the managed disk group size after compressing the existing volume.

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:

QUESTION 28
A single frame TS35000 contains 6 LTO-3 tape drives in Drive Mounting Kits. A customer wants to add two additional LTO-5 drives.
Which of the following TS3500 components will be affected?

A. Capacity' On Demand
B. Storage slot quantity'
C. Internal patch cables
D. I/O slot expandability

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:

QUESTION 29
Which tool provides storage management of an IBM SAN Volume Controller with application-aware copy services integration?

A. IBM FlashCopy Manager
B. Smart Business Storage Cloud
C. IBM SmartCloud Virtual Storage Center
D. IBM Tivoli Storage Productivitj Center Standard

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:

QUESTION 30
A customer with numerous open system servers is using a single DS8800 system with Easy Tier enabled.
Storage performance for a specific clustered server needs to improve for end-of-month and end-of-quarter processing.
The customer requires minimal disruption to operations.
Which feature or action should the technical specialist recommend to the customer to improve performance for the clustered servers?

A. Install a megapack of SSDs
B. Enable and configure I/O Priority Manager
C. Increase the installed cache of the DS8SOO
D. Adjust the cache block size used by the DS8800

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:

QUESTION 31
What should be included with an N7900 to ensure customers meet aggressive RPO and RTQ requirements?

A. SnapRestore
B. FlashCopy Manager
C. Replication Manager
D. Tivoli Storage Manager

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:

QUESTION 32
Where does the IBM Real-time Compression Appliance protect its software and configuration?

A. Supplied USB device
B. An external quorum disk
C. Internal mirrored drives
D. Battery protected memory cache

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:

QUESTION 33
A customer has a 300 Windows and Linux server consolidation project planned to use virtualization.
They have a DS8800 installed in production and want to explore FCoE technology to reduce network administration and complexly, being part of the sewer and network optimization strategy.
Which component would enable DS8000 to be included in the new infrastructure?

A. IBM SAN32B-E4
B. SAN Volume Controller
C. FCOE DS8800 Host Adapters
D. System Storage Productivity Center

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:

QUESTION 34
What are the technical specialist's responsibilities with respect to the SOLW (Statement of Limited Warranty)?

A. Ensure the base level warranty meets the customer's requirements.
B. Explain the warranty terms to the customer after the deal is complete.
C. None, this is handled by the support center once the system is installed
D. None, this is handled by the Service Support Representative when he installs the equipment.

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference: