

# IBM

## Exam 000-451

### IBM Midrange Storage Technical Support V3

Version: 6.0

[ Total Questions: 75 ]

**Question No : 1**

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

**Answer: B**

**Question No : 2**

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

**Answer: B**

**Question No : 3**

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

**Answer: A**

**Question No : 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

**Answer: D**

**Question No : 5**

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

**Answer: D**

**Question No : 6**

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

- A. Video files
- B. Database files
- C. Encrypted file
- D. Compressed files

**Answer: B**

**Question No : 7**

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

**Answer: A**

**Question No : 8**

A cost sensitive customer requires a tape library solution with four LTO drives and 40 tape cartridge slots.

Which of the following products best fits the requirement?

- A. TS2900
- B. TS3100
- C. TS3200
- D. TS3310

**Answer: C**

**Question No : 9**

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

**Answer: C**

**Question No : 10**

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

**Answer: D**

**Question No : 11**

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

**Answer: C**

**Question No : 12**

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

**Answer: A**

**Question No : 13**

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

**Answer: A**

**Question No : 14**

The customer is currently running a mixed Windows and UNIX SAN environment with 100 TB of capacity on old EMC CLARiiON hardware. They want to add an additional 100 TB of new disk capacity within their limited rack space, and also utilize the existing CLARiiON disk for a combined 200 TB capacity. The customer does not require NAS connectivity but