

# 000-965

## IBM

### *XIV Storage System Technical Solutions Version 1*

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**Question: 1**

When using the data migration tool, how should an XIV system be attached to host servers and legacy storage?

- A. Only to the legacy storage, with no connection between the host server and its legacy storage
- B. Only to the host server, with the connection from the host server to its legacy storage left intact
- C. To both the legacy storage and host server, with no connection between the host server and its legacy storage
- D. To both the legacy storage and host server, with the connection from the host server to its legacy storage left intact

**Answer: C**

**Question: 2**

The XIV "volume clone" is the equivalent of which IBM SVC function?

- A. Flash copy
- B. Image flash copy
- C. Consistency group
- D. Multi-target flash copy

**Answer: A**

**Question: 3**

When does the XIV System have a "point in time" consistent image for a snapshot to be taken?

- A. When the application writes the data to its mirrored pair
- B. When incremental writes are received in write order consistency
- C. When dependent writes are received with write order consistency
- D. When the write has been both sent and acknowledged by the system

**Answer: D**

**Question: 4**

Which set of hardware components does each module in an XIV System include?

- A. 2 Intel Xeon processors, 4GB memory, 15 disks
- B. 2 Intel Xeon processors, 8GB memory, 12 disks
- C. 1 Intel Quad-core Xeon processor, 4GB memory, 15 disks
- D. 1 Intel Quad-core Xeon processor, 8GB memory, 12 disks

**Answer: D**

**Question: 5**

After a hard disk failure, how is data redistributed?

- A. It is redistributed to a spare disk.
- B. It is redistributed across all disks.
- C. Secondary data is changed to primary data.
- D. It is always redistributed to a different shelf.

**Answer: B**

**Question: 6**

How is cache scalability enhanced in the XIV Storage System?

- A. Chipkill memory is used.
- B. UPS protects data until properly destaged.
- C. Aggressive prefetch allows for more cache to be used.
- D. Distributed cache removes the need for centralized cache locking.

**Answer: D**

**Question: 7**

How does the XIV System rapidly return to full redundancy after disk failures?

- A. The XIV System's data module uses cache and processor to calculate parity for disks in the drawer.
- B. The XIV System uses all disks to rebuild the failed disk using spare capacity throughout the system.
- C. The XIV System quickly identifies the failed disk and starts rebuild on a spare disk in a separate data module.
- D. The XIV System's data module uses SMART data from the drive to begin proactive rebuild on a spare disk in the module.

**Answer: B**

**Question: 8**

What are two unique benefits of thin provisioning on the XIV System? (Choose two)

- A. Easy to resize the volume
- B. Provides quota management
- C. Volumes can easily be moved between storage pools
- D. Limit the storage expense to the actual capacity used
- E. Reclaim capacity that is no longer in use after data migration

**Answer: D, E**

**Question: 9**

The grid architecture of XIV storage is optimized for which work load?

- A. Multiple varying workloads
- B. Heavy sequential read workload
- C. Small block random read workload
- D. Large block random write workload

**Answer: A**

**Question: 10**

A host that requires attachment to an XIV system is not currently on the interoperability matrix. What is the correct procedure for obtaining support?

- A. Request IBM Marketing to submit an RPQ
- B. Request IBM Service to submit a ""One-off""
- C. Request IBM Service to submit an MES change
- D. Request IBM Marketing to submit a letter-112

**Answer: A**

**Question: 11**

In an XIV System, a snapshot can be created within what time frame?

- A. 50 milliseconds
- B. 50 microseconds
- C. 150 microseconds
- D. 150 milliseconds

**Answer: D**

**Question: 12**

Which advanced feature of the XIV Storage System eliminates the need for write-through mode?

- A. Redundant UPS
- B. Data striping
- C. Distributed cache
- D. Active/active topology

**Answer: C**

**Question: 13**

What is the function of a multipath driver?

- A. To increase the number of supported volumes that a host can access
- B. To allow for clustering of multiple hosts to access the same volumes
- C. To allow for continuous data access in the event of a data path failure
- D. To allow both a data path and a control path for storage system communication
- E. To increase the distance that a host can physically be from the storage system

**Answer: C**

**Question: 14**

Which modules contain Fibre Channel ports utilized for host connectivity via the patch panel?

- A. Modules 1,2,3,4,5,6
- B. Modules 4,5,6,7,8,9
- C. Modules 6,7,8,9,10,11
- D. Modules 10,11,12,13,14,15

**Answer: B**

**Question: 15**

What hard drive capacity does the XIV Storage System support?

- A. 1 TB SATA
- B. 500 GB SATA
- C. 750 GB SATA
- D. 1.5 TB SATA

**Answer: A**

**Question: 16**

What function does the XIV System provide for Microsoft Volume Shadow Services (VSS)?

- A. It gives access to the internal XCLI.
- B. It mirrors a Microsoft mounted volume.

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