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QUESTION 1

What is achieved by adding a top tier of SSDs when designing a Dell Unity XT hybrid solution with FAST VP and FAST Cache?

- A. Isolates file top-talkers I/O from block data I/O
- B. Improves compression space efficiencies
- C. Provides an additional data redundancy layer
- D. Helps keep paged metadata on FLASH media

Correct Answer: D

FAST VP (Fully Automated Storage Tiering for Virtual Pools) and FAST Cache (Fully Automated Storage Tiering for Cache) are features that allow you to optimize the performance of your storage by automatically moving data between different storage tiers based on usage patterns. The SSD tier is used to store frequently accessed metadata, such as file system structures, directories, and inode tables, which are accessed frequently and are small enough to fit in the SSD cache. Keeping paged metadata on flash media improves the overall system performance, as it allows for faster access to the metadata, reducing the latency and the number of I/O operations needed to access it.

QUESTION 2

When designing a Dell EMC Unity 480F solution, what is the maximum number of enclosures and drive slots, per bus?

- A. 10 enclosures and 250 drive slots
- B. 10 enclosures and 750 drive slots
- C. 3 enclosures and 240 drive slots
- D. 10 enclosures and 500 drive slots

Correct Answer: A

NOTE General DAE back-end bus configuration rules:

Maximum number of enclosures per bus is 10.

Maximum number of drive slots per bus is 250, up to specific system limitations for drive slots.

QUESTION 3

Which describes cascade replication on a Dell Unity XT?

- A. Synchronous replication of a file resource from Sites A to B. then B to C then C to D
- B. Asynchronous replication of a block resource from Sites A to B then B to C then C to D
- C. Synchronous replication of a block resource from Sites A to B. then B to C. then C to D

D. Asynchronous replication of a file resource from Sites A to B then B to C. then C to D

Correct Answer: D

Cascade replication refers to the replication of data from one site to another, in a sequential or cascading manner. In the case of Dell Unity XT, cascade replication refers to the asynchronous replication of a file resource from one site (site A) to another (site B), then from site B to another site (site C) and so on. This means that data is replicated from one site to another in an orderly fashion, and each site functions as both a source and a target for replication. This allows for multiple copies of the data to be kept in different locations, providing increased data availability and disaster recovery capabilities. It's important to note that cascade replication can also be used for block resources but is usually asynchronous.

QUESTION 4

When sizing a Dell EMC Unity Hybrid array, what are considerations for performance?

- A. Workload and hardware bottlenecks
- B. Active data and load balancing
- C. Drive size and component redundancy
- D. General capacity and port utilization

Correct Answer: A

Reference: <https://www.delltechnologies.com/en-us/collaterals/unauth/white-papers/products/storage/h15093-dell-emc-unity-best-practices-guide.pdf>

QUESTION 5

A storage administrator wants to do a tech refresh from a legacy EQL system to a new Dell EMC SC Series array. What is needed to correctly size the new array?

- A. Latency
- B. Peak IOPS information
- C. Storage tiers
- D. Contract support end date

Correct Answer: B

https://downloads.dell.com/manuals/common/sc-series-performance-availability-best-practices-dell-emc-4024-bp-sc_en-us.pdf (1.9 Sizing an SC Series array for performance requirements-pag.9)