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QUESTION 1

What is the maximum number of SAS buses per SP for a Dell Unity XT 480F without an additional SAS I/O module?

- A. 4
- B. 3
- C. 1
- D. 2

Correct Answer: D

The maximum number of SAS buses per SP for a Dell Unity XT 480F without an additional SAS I/O module is 2. Each Dell Unity XT 480F has 2 Service Processors (SPs) and each SP has 2 SAS buses, for a total of 2 SAS buses per SP. SAS buses are used to connect the storage drives to the SPs and to the storage array. Each bus can support multiple drives and provide high-speed data transfer between the drives and the SPs.

QUESTION 2

The last two drive slots in a Dell EMC PowerStore 3000 are reserved for which type of drive?

- A. SAS SSD
- B. NVMe NVRAM
- C. NVMe SSD
- D. NVMe SCM

Correct Answer: B

Reference: [https://volumes.blog/2020/05/05/whats-is-powerstore-part-2-hardware/#:~:text=On%20the%20PowerStore%201000%20and,\(2\)%20NVMe%20NVRAM%20devices.andtext=PowerStore%20supports%20four%20types%20of,in%20specific%20locations%20and%20enclosures](https://volumes.blog/2020/05/05/whats-is-powerstore-part-2-hardware/#:~:text=On%20the%20PowerStore%201000%20and,(2)%20NVMe%20NVRAM%20devices.andtext=PowerStore%20supports%20four%20types%20of,in%20specific%20locations%20and%20enclosures)

QUESTION 3

When implementing FAST VP, which Dell EMC best practices should be followed?

- A. Use the Start High then Auto Tier policy Maintain at least 15 percent pool capacity
- B. Use the Auto Tier policy-Schedule relocations continually during normal operations
- C. Use the Start High then Auto Tier policy Maintain at least 10 percent pool capacity
- D. Use the Start High then Auto Tier policy Maintain at least 5 percent pool capacity

Correct Answer: C



Reference:<https://www.dell.com/community/VNX/FAST-VP/td-p/6953079>

QUESTION 4

Which Dell EMC SC Series array allows for back-end expansion cards?

- A. SCv3000
- B. SC7020
- C. SC5020
- D. SCv3020

Correct Answer: B

<https://www.dell.com/support/manuals/en-us/storage-sc7020/sc7020-om/sc7020-series-storage-system-back-panel-view?guid=guid-ba3314b9-ddaf-4413-8a25-4bb66c2d421bandlang=en-us>

Here we clearly have Each storage controller contains:[...] Expansion slots for I/O cards:

Slots for optional front-end connectivity ?Fibre Channel and iSCSI I/O cards Slots for optional back-end connectivity ?SAS I/O cards [...] SCv3000, SCv3000 and SC5020 owner manual say: One expansion slot for a front-end I/O card:

<https://www.delltechnologies.com/de-at/collaterals/unauth/technical-guides-support-information/services/h17356-storage-config-sap-hana-tdi-sc-vg.pdf>

QUESTION 5

A technical architect is designing a Dell Unity storage solution The customer has a monthly data access profile where block data is accessed infrequently The data is accessed frequently for a few days during month-end reporting

Based on best practices which solution should the technical architect recommend?

- A. A single-tier solution using 10k drives
- B. An All-Flash solution using FAST VP and FAST Cache
- C. A hybrid solution using FAST VP and FAST Cache
- D. A hybrid solution using data progression

Correct Answer: C

Based on the customer's monthly data access profile, where block data is accessed infrequently but frequently during month-end reporting, the technical architect should recommend a hybrid solution using FAST VP and FAST Cache. FAST VP (Fully Automated Storage Tiering for Virtual Pools) is a feature that automatically tiers data across different types of storage media based on access patterns. With FAST VP, frequently accessed data will be automatically moved to faster storage media such as flash, while infrequently accessed data will be moved to slower, less expensive storage media such as disk. FAST Cache is a feature that increases the performance of Unity storage systems by caching frequently accessed data on flash storage. With this hybrid solution, the customer will have the best of both worlds: high-performance flash storage for frequently accessed data, and lower-cost disk storage for infrequently accessed data. This will help the customer to improve performance during month-end reporting and save costs for infrequently



accessed data. It's important to note that this design should be evaluated based on the specific requirements, workloads and expected growth of the customer.

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