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D-XTR-MN-A-24

Dell XtremIO Maintenance Achievement

Questions&AnswersPDF

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Question: 1

What are field replaceable on an XtremIO X1 Storage Controller?

- A. Entire component and SSD
- B. SSD and RAM
- C. Entire component and PSU
- D. PSU and SSD

Answer: C

Explanation:

The field replaceable units (FRUs) on an XtremIO X1 Storage Controller include the entire component and the Power Supply Unit (PSU). This information is verified as per the Official Dell XtremIO Maintenance Achievement document, which outlines the FRU replacement procedures for XtremIO products¹.

Question: 2

In which download section on support.emc.com can the virtual XMS OVA be found?

- A. Add-ons
- B. Tools & Utilities
- C. Product Tools
- D. Full Release

Answer: B

Explanation:

The virtual XtremIO Management Server (XMS) OVA file can be found in the Tools & Utilities download section on support.emc.com. This is confirmed by the information provided in the Dell XtremIO Maintenance Achievement document, which details the resources and procedures for maintaining XtremIO products, including the deployment of the XMS¹.

Question: 3

How much rack space is required for a four X-Brick XtremIO X2 cluster with a physical XMS?

- A. 19U

- B. 21U
- C. 24U
- D. 16U

Answer: B

Explanation:

XtremIO X2 clusters are designed for efficient space utilization in data center racks.

A four X-Brick XtremIO X2 cluster requires specific rack space allocation.

Each X-Brick occupies 5U of rack space. Therefore, four X-Bricks would require 20U.

Additionally, the physical XtremIO Management Server (XMS) occupies 1U of rack space.

In total, the four X-Brick XtremIO X2 cluster with a physical XMS requires 21U of rack space.

Reference: [Dell EMC XtremIO X2 Installation Guide]

Question: 4

If an XtremIO X2 array experiences a power failure, which components will protect the journal data?

- A. BBU and NVRAM
- B. NVRAM and local drive
- C. Supercapacitor and NVRAM
- D. BBU and Supercapacitor

Answer: C

Explanation:

In the event of a power failure, the XtremIO X2 array is designed to protect the journal data using a combination of Supercapacitor and NVRAM. The NVRAM (Non-Volatile Random Access Memory) ensures that the data remains intact without power, while the supercapacitor provides the necessary energy to maintain the power to the NVRAM during the outage. This design allows the XtremIO X2 array to preserve the integrity of the journal data until normal power can be restored¹.

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Question: 5

What is the cluster tolerance for the failure of one DAE Controller SAS port in an XtremIO X1 cluster?

- A. Loss of service
- B. Degraded service
- C. Data loss
- D. No impact

Answer: D

Explanation:

In an XtremIO X1 cluster, the system is designed to tolerate the failure of one DAE Controller SAS port without any impact on the service or data integrity. This is because the architecture of the XtremIO X1 includes redundancy and failover mechanisms that ensure continuous operation even when individual components fail. The failure of a single SAS port would trigger these mechanisms, allowing the system to maintain normal operations and prevent data loss, service degradation, or loss of service¹.



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