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Exam : **D-XTR-DY-A-24**

Title : Dell XtremIO Deploy Achievement

Version : DEMO

1.A new XtremIO X2-S single X-Brick cluster has been installed into a systems administrator's environment. The administrator needs assistance with configuring a group of volumes with the largest capacity possible.
What is the largest size supported for each volume?
A.1PB
B. 64 TB
C. 64 PB
D.2PB
Answer: B
Explanation:
The largest size supported for each volume in a new XtremIO X2-S single X-Brick cluster, as per the Official Dell XtremIO Deploy Achievement documents, is 64 TB. This information is verified through the official documentation which outlines the capabilities and specifications of the XtremIO X2 systems. The documents provide a detailed description of the critical components, features, and implementation solutions in customer environments, which includes the storage capacity specifications for XtremIO systems1.

2.What should be done prior to presenting XtremIO volumes to a new Linux host?
A. Disable the DM-MPIO
B. Disable the I/O elevators
C. Set the least queue depth
D. Rebuild GRUB
Answer: B
Explanation:
Before presenting XtremIO volumes to a new Linux host, it is recommended to disable the I/O elevators. This step is crucial for optimizing performance and ensuring that the storage system works efficiently with the host’s operating system.
The I/O elevator is a Linux kernel feature that controls the order in which I/O operations are submitted to storage devices. It’s designed to optimize the way the Linux kernel handles write and read requests. However, in the context of high-performance storage systems like XtremIO, the default I/O scheduling might not be optimal. Disabling the I/O elevators allows the XtremIO storage system to manage the I/O requests more efficiently, leveraging its built-in capabilities for performance optimization.
This information is corroborated by the Official Dell XtremIO Deploy Achievement document, which outlines the best practices for configuring XtremIO systems in various environments, including Linux hosts1.

3.Refer to the exhibit.

Which label represents the correct power cable connection between the left power supply in Storage Controller 1 to the Battery Backup Unit in an XtremIO X1 single X-Brick cluster?

A. X1-SC1-PSU-L > X1-BBU1-Output2

B. X1-SC1-PSU-L>X1-BBU1-Output1

C. X1-SC1-PSU-L>X1-BBU2-Output2

D. X1-SC1-PSU-L > X1-BBU2-Output1

Answer: B

Explanation:

Identify the Components: According to the Dell XtremIO Deploy Achievement document, the XtremIO X1 system includes a Storage Controller (SC) and a Battery Backup Unit (BBU)1.

Understand the Configuration: For a single X-Brick cluster, the left power supply in Storage Controller 1 (X1-SC1-PSU-L) should be connected to the corresponding BBU to ensure proper power redundancy and failover capabilities1.

Determine the Correct Connection: The document specifies that each Storage Controller's left power supply connects to Output1 of the BBU within the same X-Brick cluster1.

Verify the Answer Based on the information provided, the correct power cable connection for the left power supply in Storage Controller 1 to the Battery Backup Unit in an XtremIO X1 single X-Brick cluster is to BBU1-Output1, which corresponds to option OB1.

4.DRAG DROP

After the XtremIO X1 has been racked and the cabling has been checked, you now need to power on the XtremIO.

What are the documented sequence of steps to power on the XtremIO?

Steps		Answer area
Power on the Storage Controllers	1	
Power on the physical XMS server	2	
Power on the BBUs	3	
Power the PDUs	4	

Answer:

Steps		Answer area
Power on the Storage Controllers	1	Power on the Storage Controllers
Power on the physical XMS server	2	Power on the physical XMS server
Power on the BBUs	3	Power on the BBUs
Power the PDUs	4	Power the PDUs

Explanation:

The documented sequence of steps to power on the XtremIO after it has been racked and the cabling checked is as follows:

Power on the Storage Controllers.

Power on the physical XMS server.

Power on the BBUs (Battery Backup Units).

Power on the PDUs (Power Distribution Units).

First, initiate power to the Storage Controllers, which are essential for managing storage operations and data flow within the XtremIO system.

Next, proceed to power on the physical XMS server, which stands for XtremIO Management Server; this component is responsible for managing and monitoring the entire XtremIO storage array. Following that, ensure that power is supplied to the BBUs; these Battery Backup Units provide emergency power to protect data in case of a main power failure.

Finally, activate power to the PDUs or Power Distribution Units; these units distribute electrical power to various components of the XtremIO system.

This sequence ensures that each component is powered on in an order that maintains the integrity and functionality of the system. It is important to follow the official Dell XtremIO Deploy Achievement documentation for detailed instructions and diagrams specific to the model and configuration of your system1.

5.Which data needs to be provided to get the Install base record updated in addition to the PSNT?

A. Microcode version and connectivity setup

B. Installation configuration and connectivity setup

C. Microcode version and installation configuration

D. Connectivity setup and log bundle of the cluster

Answer: C

Explanation:

To update the Install base record for Dell XtremIO in addition to the PSNT, the following data needs to be provided:
Microcode Version: This refers to the firmware version running on your XtremIO system. It's essential to have the latest microcode version reported for support and maintenance purposes.
Installation Configuration: This includes details about the XtremIO system's setup, such as cluster configuration, number of X-Bricks, and any custom settings applied during the installation.
The process of updating the Install base record typically involves:
Gathering Information: Collect the microcode version from the XtremIO Management Server (XMS) interface and document the installation configuration details.
Submitting the Data: Provide the collected information to Dell Support or through the appropriate channel as directed in the Dell XtremIO Deploy Achievement documentation.
Verification: Dell Support may verify the provided information against their records and the actual system configuration to ensure accuracy.
Record Update: Once verified, Dell Support will update the Install base record with the new information.
For detailed instructions and the official procedure, refer to the Dell XtremIO Deploy Achievement document1. It's crucial to follow the official guidelines to ensure that the Install base record is accurately updated, which can be critical for effective support and maintenance of the XtremIO system.