

EMC.D-XTR-MN-A-24.v2025-02-17.q19

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NEW QUESTION: 1

What is the impact of a serial cable failure in a multi X-Brick XtremIO X1 cluster?

- A. Failure of more than half of the COM cables forces the cluster into a degraded mode
- B. Failure of one serial cable makes the BBU not visible to the cluster's environment monitoring
- C. Failure of one COM cable results in a loss of service
- D. Failure of more than half of the BBU COM cables results in a loss of service

Answer: A (LEAVE A REPLY)

In a multi X-Brick XtremIO X1 cluster, the failure of more than half of the COM (communication) cables forces the cluster into a degraded mode. This degraded mode is a protective measure to ensure that the cluster can continue operating with reduced performance and redundancy until the issues with the COM cables are resolved.

NEW QUESTION: 2

Refer to the Exhibit.



Based on the exhibit, which rows of drives are used for DPG-2 in an XtremIO-X2 DAE?

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

Answer: B (LEAVE A REPLY)

In Dell XtremIO X2 arrays, the Disk Protection Groups (DPGs) are organized in such a way that each DPG spans multiple rows of drives. Specifically, DPG-2 in an XtremIO-X2 DAE (Disk Array Enclosure) uses the drives in Row 1 and Row 2. This configuration is designed to ensure redundancy and fault tolerance. The drives in these rows collectively form the DPG, which is responsible for data protection and performance optimization.

NEW QUESTION: 3

On an XtremIO X2-S, which ports are used on the InfiniBand switches for an ISL connection?

- A. 35 and 36
- B. 11 and 12
- C. 1 and 2
- D. 17 and 18

Answer: A (LEAVE A REPLY)

For an XtremIO X2-S, the ports used on the InfiniBand switches for an Inter-Switch Link (ISL) connection are typically high-numbered ports, which are usually at the end of the port range on the switch. While the specific port numbers can vary depending on the switch model and configuration, ports 35 and 36 are commonly used for ISL connections in many configurations¹.

The process to identify the ISL ports is as follows:

Access the InfiniBand switch via the management interface.

Use the appropriate command to list the port configuration (this command can vary based on the switch's firmware).

Identify the ports configured for ISL, which will be indicated in the port configuration settings.

It's important to refer to the official Dell XtremIO Maintenance Achievement document or the InfiniBand switch documentation for the exact port numbers as they can differ based on the switch model and the cluster configuration¹.

NEW QUESTION: 4

Which command is used to verify the ESRS configuration?

- A. show-syslog-notifier
- B. show-snmp-notifier
- C. show-email-notifier
- D. show-syr-notifier

Answer: A (LEAVE A REPLY)

ESRS (EMC Secure Remote Services) configuration verification is typically done using commands that check for system notifications and configurations.

The show-syslog-notifier command is used to verify the settings and configuration of syslog notifications, which is part of the ESRS setup.

This command helps in ensuring that the notifications are correctly configured and functioning as intended, allowing for remote monitoring and management.

NEW QUESTION: 5

Why is an extra rack unit space used between X-Bricks when installing a multi X-Brick XtremIO X2?

- A. Manage the air flow between Storage Controllers
- B. Accommodate the cable management duct
- C. Provide space for an additional XMS
- D. Accommodate the routing for InfiniBand cables

Answer: B (LEAVE A REPLY)

An extra rack unit space is used between X-Bricks when installing a multi X-Brick XtremIO X2 to accommodate the cable management duct. This space is essential for organizing and managing the cables, ensuring proper airflow, and making maintenance tasks easier.

NEW QUESTION: 6

How many connectors, and of which type(s), are used on the Eaton 1550 Evolution BBU?

- A. 2 DB9s
- B. 1 DB9 and 1 RJ11
- C. 1 DB9 and 1 RJ50
- D. 1 DB9 and 1 RJ45

Answer: C (LEAVE A REPLY)

The Eaton 1550 Evolution BBU (Battery Backup Unit) uses 1 DB9 and 1 RJ50 connector. These connectors are used for communication and management purposes, ensuring that the BBU can interface correctly with other components of the system.

NEW QUESTION: 7

What is the minimum XtremIO software version required for expanding a Starter X-Brick cluster?

- A. 4.0.2
- B. 4.0.0
- C. 4.0.4
- D. 4.0.1

Answer: (SHOW ANSWER)

The minimum XtremIO software version required for expanding a Starter X-Brick cluster is 4.0.4. This version includes the necessary features and improvements to support the expansion process, ensuring compatibility and optimal performance.

NEW QUESTION: 8

When preparing for a single-to-dual online cluster expansion, which power cables are pre-staged by being connected to PDU-B only?

- A. X1-SC1-PSU-L and X1-SC2-PSU-L
- B. X2-DAE-PSU-R and X2-DAE-PSU-L
- C. IBSW-PSU-L and IBSW-PSU-R
- D. X2-SC1-PSU-R and X2-SC2-PSU-R

Answer: D (LEAVE A REPLY)

In preparation for a single-to-dual online cluster expansion, the power cables that are pre-staged by being connected to Power Distribution Unit B (PDU-B) only are for the right-side Power Supply Units (PSUs) of the Storage Controllers (SCs). Specifically, these would be the power cables for X2-SC1-PSU-R and X2-SC2-PSU-R. This configuration ensures that there is a balanced power distribution across the PDUs and that the new cluster components will have power connectivity once they are physically installed¹.

The process typically involves:

Identifying the correct power cables for the SCs' PSUs.

Connecting these cables to the designated ports on PDU-B.

Ensuring that the cables are properly managed and labeled for easy identification during the expansion process.

This procedure is part of the standard practices for expanding an XtremIO cluster, as detailed in the Official Dell XtremIO Maintenance Achievement document1.

NEW QUESTION: 9

What is the correct sequence of steps to perform a planned shutdown of an XtremIO X2?

Steps Answer Area

Verify the cluster PSNT and health	
Disable notifications	
Stop the cluster service	
Power off the hardware	
Verify no host I/O	

(Up Arrow) (Down Arrow)

Answer:

Answer Area

Verify no host I/O
Verify the cluster PSNT and health
Disable notifications
Stop the cluster service
Power off the hardware

- 1 - Verify no host I/O
- 2 - Verify the cluster PSNT and health
- 3 - Disable notifications
- 4 - Stop the cluster service
- 5 - Power off the hardware

NEW QUESTION: 10

Which command is used to initiate a Storage Controller power supply replacement for XtremIO cluster ABC123?

- A. replace-storage-controller-prepare cluster-id="ABC123"
- B. replace-storage-controller-psu sc-psu-id=1 cluster-id="ABC123"
- C. replace-storage-controller-psu cluster-id="ABC123"
- D. replace-storage-controller-prepare sc-psu-id=1 cluster-id="ABC123"

Answer: B (LEAVE A REPLY)

To replace a power supply unit (PSU) in a storage controller of an XtremIO cluster, a specific command needs to be executed.

The correct command to initiate this process is `replace-storage-controller-psu sc-psu-id=1 cluster-id="ABC123"`.

This command specifies the action to replace the PSU (`replace-storage-controller-psu`), the PSU ID (`sc-psu-id=1`), and the specific cluster ID (`cluster-id="ABC123"`).

Using this command ensures that the correct PSU in the specified cluster is prepared for replacement.

NEW QUESTION: 11

On XtremIO X1, what is required before the cluster will start?

- A. BBUs must be charged to at least 50%
- B. At least one BBU has to be online
- C. BBUs must be charged to at least 70%
- D. End of Life BBUs must be replaced

Answer: C (LEAVE A REPLY)

Before an XtremIO X1 cluster can start, it is required that the Battery Backup Units (BBUs) are charged to at least 70%. This ensures that there is sufficient power reserve to maintain data integrity and allow for safe shutdown procedures in case of an unexpected power loss. The BBUs provide power to the Storage Processors and other critical components during an outage, allowing them to complete any in-progress operations and commit data to SSDs¹.

The startup process checks the BBU charge level and will only proceed if the minimum charge requirement is met. This is a safety feature designed to protect the system and the data it holds. If the BBUs are not adequately charged, the system will not start, preventing potential data loss or corruption that could occur if the system were to lose power without the ability to properly shut down¹.

NEW QUESTION: 12

What is recommended for uploading the XtremApp to the XMS?

- A. Technician Advisor
- B. Win32DiskImager
- C. WinSCP
- D. PuTTY

Answer: C (LEAVE A REPLY)

For uploading the XtremApp to the XtremIO Management Server (XMS), the recommended tool is WinSCP. WinSCP is a popular SFTP client and FTP client for Microsoft Windows that allows for secure file transfer between a local and a remote computer¹. It is particularly useful for uploading files like XtremApp due to its graphical user interface, which simplifies the process of transferring files.

The steps for uploading the XtremApp to the XMS using WinSCP are as follows:

Download and install WinSCP on your local machine.

Open WinSCP and enter the XMS's hostname or IP address, as well as the username and password.

Navigate to the XtremApp file on your local machine within the WinSCP interface.

Drag and drop the XtremApp file to the desired directory on the XMS.

Verify that the upload was successful by checking the file size and timestamp on the XMS.

This method is recommended in the Official Dell XtremIO Maintenance Achievement document as it provides a secure and reliable way to manage files on the XMS1.

NEW QUESTION: 13

What is the SAS connection speed on an XtremIO X1 compared to an X2?

A. X1: 4 Gb/s

X2: 8 Gb/s

B. X1: 6 Gb/s

X2: 12 Gb/s

C. X1: 8 Gb/s

X2: 16 Gb/s

D. X1: 12 Gb/s

X2: 24 Gb/s

Answer: B ([LEAVE A REPLY](#))

The SAS (Serial Attached SCSI) connection speed for an XtremIO X1 is 6 Gb/s, while for an XtremIO X2, it is 12 Gb/s. The increased speed in the X2 model enhances data transfer rates and overall performance, reflecting advancements in the hardware capabilities of the newer generation.

NEW QUESTION: 14

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 ([LEAVE A REPLY](#))

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.

NEW QUESTION: 15

What is the correct order in which the XtremIO X1 cluster components should be powered on for the first time?

Steps

Storage Controllers
BBUs
XMS
PDU

Answer Area

DELL EMC



Answer:

Answer Area
PDU (Power Distribution Unit)
BBUs (Battery Backup Units)
XMS (XtremIO Management Server)
Storage Controllers

- 1 - PDU (Power Distribution Unit)
- 2 - BBUs (Battery Backup Units)
- 3 - XMS (XtremIO Management Server)
- 4 - Storage Controllers

NEW QUESTION: 16

Where can XtremIO upgrade packages be found?

- A. salesforce.com
- B. support.emc.com
- C. inside.emc.com
- D. SolVe Desktop

Answer: B (LEAVE A REPLY)

XtremIO upgrade packages can be found on the support.emc.com website. This is the official support site for Dell EMC products, where customers can download software updates, including XtremIO upgrade packages. The site provides access to various resources, including documentation, knowledge articles, and software downloads for Dell EMC products¹².

To find and download XtremIO upgrade packages, follow these steps:

Go to support.emc.com.

Log in with your Dell EMC support account credentials.

Navigate to the 'Downloads' section.

Search for XtremIO in the product list.

Select your specific XtremIO model and version.

Locate the upgrade package you need and download it.

It's important to ensure that you have a valid support contract and the necessary permissions to access and download software updates from support.emc.com¹.

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NEW QUESTION: 17

What are field replaceable on an XtremIO X1 Storage Controller?

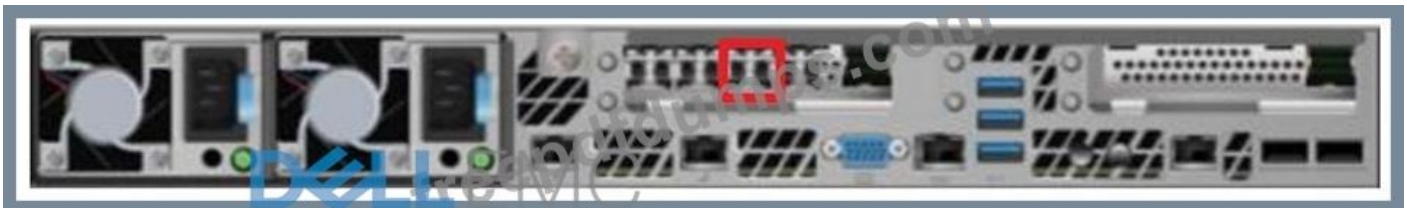
- A. Entire component and SSD
- B. SSD and RAM
- C. Entire component and PSU
- D. PSU and SSD

Answer: C (LEAVE A REPLY)

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.

NEW QUESTION: 18

Refer to the Exhibit.



The exhibit represents an XtremIO X2 Storage Controller configured with Fibre Channel ports. Which port type is highlighted in the exhibit?

- A. iSCSI
- B. MGMT
- C. IPMI
- D. FC

Answer: (SHOW ANSWER)

The highlighted port in the exhibit is a Fibre Channel (FC) port. This port type is used for high-speed data transfer between the storage controller and connected devices or networks. Fibre Channel is a technology known for its reliability and speed, making it suitable for storage area networks (SANs). The identification of the FC port is based on recognizing the physical characteristics of FC ports, such as their shape and typical placement on storage devices, as well as knowledge about Dell's XtremIO systems' configuration options¹.

NEW QUESTION: 19

A customer has decided to deploy a virtual XMS server. Which file name extension does the template use to deploy the server?

- A. ovf
- B. ova
- C. gz
- D. tar

Answer: B ([LEAVE A REPLY](#))

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