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<https://www.virtulearner.com>
support@virtulearner.com

Dell EMC

D-MSS-DS-23

Dell Midrange Storage
Solutions Design 2023 Exam

QUESTION: 1

What is done during the preconfigure step of a PowerStore block import migration?

- A. Source system is added to the PowerStore.
- B. Destination volume is created.
- C. Network connectivity is set up.
- D. Import schedule is set.

Answer(s): C

Explanation:

During the preconfigure step of a PowerStore block import migration, network connectivity is set up. This step is crucial for ensuring that the source system can communicate with the PowerStore system, which is necessary for a successful data transfer during the migration process. Here are the detailed steps involved in this phase:

Assess Network Requirements: Evaluate the existing network infrastructure to ensure it meets the requirements for a PowerStore migration. This includes checking the bandwidth, latency, and network topology.

Configure Network Settings: Set up the network settings on both the source and destination systems. This involves configuring IP addresses, subnet masks, gateways, and any other network parameters required for connectivity.

Verify Connectivity: Use network diagnostic tools to verify that the source system can communicate with the PowerStore system. This might involve ping tests, traceroutes, and other connectivity checks.

Secure the Network: Implement necessary security measures to protect the data during migration. This can include setting up firewalls, VPNs, or other security protocols to ensure data integrity and confidentiality.

Establish Data Paths: Create and configure data paths between the source system and the PowerStore system. This ensures that data can be transferred efficiently and without interruption during the migration process.

Test Network Performance: Conduct performance tests to ensure that the network can handle the data transfer load. This helps identify and mitigate any potential bottlenecks that could affect the migration.

Reference:

Dell Technologies PowerStore Documentation

Dell Entry-Level and Mid-Range Storage Community

Dell Storage Products Overview

By ensuring that network connectivity is properly set up, the preconfigure step lays the foundation for a smooth and successful migration of block data to the PowerStore system.

QUESTION: 2

The CPU utilization in a Dell Unity XT system is currently at 68%.
What is the level of CPU utilization?

- A. Extremely High Utilization
- B. High Utilization
- C. Low Utilization
- D. Normal Utilization

Answer(s): B

Explanation:

Understanding CPU Utilization Levels:

Dell Unity XT systems categorize CPU utilization to help administrators assess the performance and health of their storage systems.

Utilization levels typically include categories like low, normal, high, and extremely high to simplify performance monitoring.

CPU Utilization in Dell Unity XT:

According to Dell Unity XT documentation, CPU utilization percentages are used to determine the performance state of the system.

A CPU utilization of 68% is considered high but not critical. This is because the system is handling a significant load but still within operational parameters.

Operational Thresholds:

Low Utilization: Below 30%

Normal Utilization: 30% - 60%

High Utilization: 60% - 80%

Extremely High Utilization: Above 80%

Given these thresholds, 68% falls into the "High Utilization" category.

Dell Midrange Storage

Reference:

Dell Technologies Partner Program documentation on midrange storage provides detailed metrics and thresholds for system performance. This information is crucial for administrators to make informed decisions about system capacity and performance tuning.

Additional resources on Dell's community forums and official product pages for entry-level and