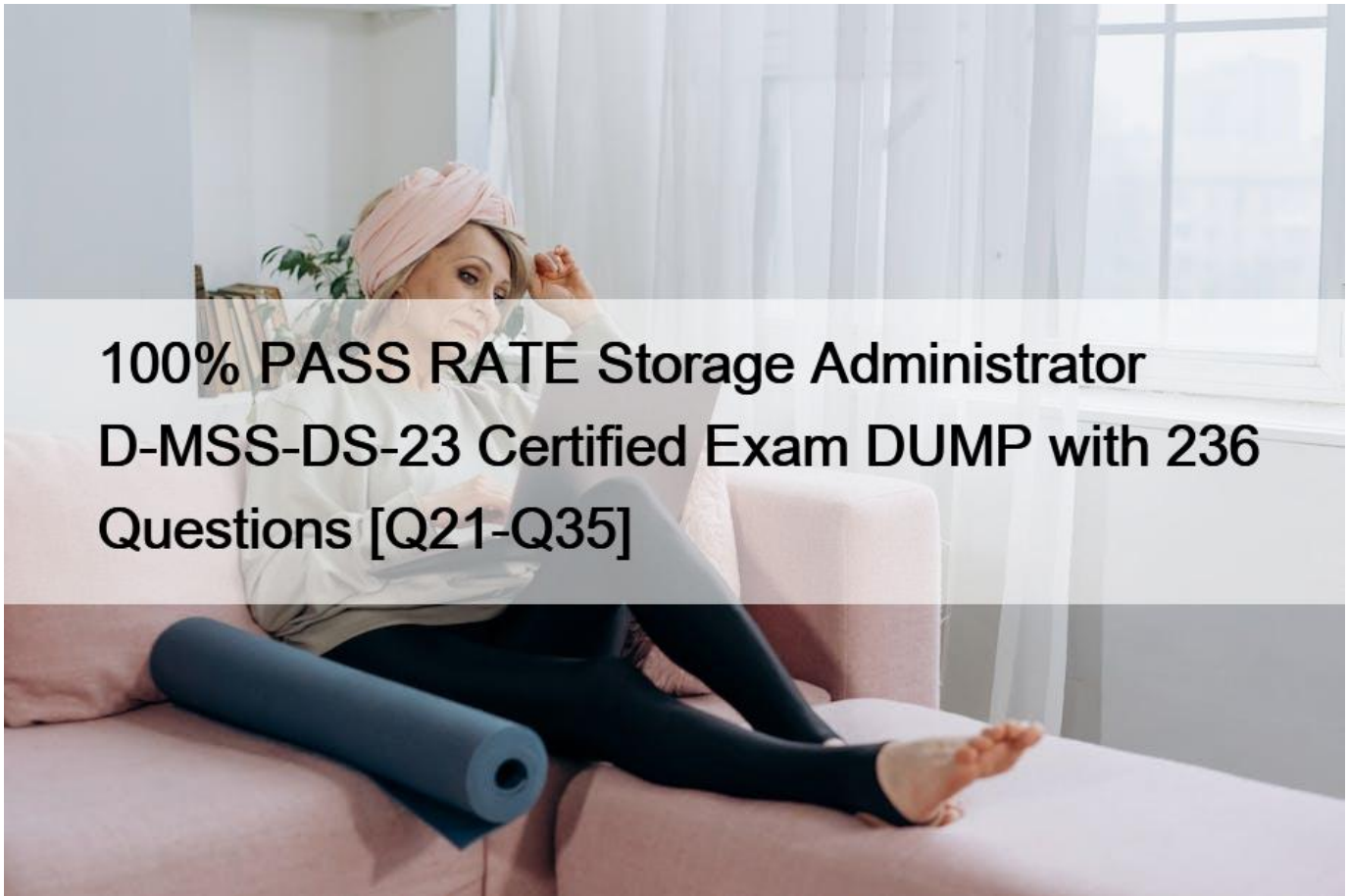# 100% PASS RATE Storage Administrator D-MSS-DS-23 Certified Exam DUMP with 236 Questions [Q21-Q35]

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EMC D-MSS-DS-23 Exam Syllabus Topics:

TopicDetailsTopic 1- Dell Midrange Storage Solutions Planning, Sizing, and Design: This section of the exam measures the skills of storage engineers and covers the planning, sizing, and design phases of a Midrange solution sales engagement. It emphasizes conducting site evaluations and remediation processes while considering performance parameters and environmental limits. A critical skill evaluated is accurately characterizing workloads to inform design decisions.Topic 2- Midrange Storage Solutions Best Practice: This section of the exam measures the skills of Dell Unity and PowerStore Midrange Storage Solutions professionals and covers best practice recommendations for system configuration and upgrades. It includes guidelines on hardware capacity, deployment models, clustering, and operating system upgrades. A key skill assessed is implementing effective backend connectivity solutions that enhance system performance.Topic 3- Dell Midrange Sizing Solutions: This section of the exam measures the skills of storage engineers and covers the use of tools like the Midrange Sizer for Unity to size solutions effectively. It includes design methods and deliverables associated with sizing storage solutions.

QUESTION 21

Which NAS protocols does Dell PowerStore support?
* FTP, SMB, NFSv2, NFSv3, and FTPS
* FTPS, SMB, NFSv3, NFSv4, and FTP
* SMB, NFSv3, NFSv4p, FTP, and SFTP
* NFSv4, SMB, S3, FTP, and SFTP

Dell PowerStore supports a variety of NAS protocols to provide file access to clients.

These protocols include:

SMB (Server Message Block): This protocol is used to provide file and printer sharing on Windows-based systems.

NFSv3 (Network File System version 3): This is a standard protocol used to provide file access on UNIX-based systems.

NFSv4 (Network File System version 4): This is the latest version of the NFS protocol and it provides enhanced security and improved performance over previous versions. FTP (File Transfer Protocol): This is a standard protocol used to transfer files between computers over a network.

SFTP (Secure File Transfer Protocol): This is an extension of the FTP protocol that provides secure file transfer using SSH (Secure Shell) encryption.

QUESTION 22

What is the minimum RPO that can be configured on a Dell Unity XT block-asynchronous replication session?
* 60 minutes
* 1 minute
* 5 minutes
* 20 minutes

Recovery Point ObjectiveWhen you set up an asynchronous replication session, you can configureautomatic synchronization based on the RPO. You can specify an RPO from a minimum of 5 minutes up to a maximum of 1440 minutes (24 htours).

QUESTION 23

What is a characteristic of tenant traffic on a Dell EMC Unity array?
* Separated by the associated VLANs at the Linux Kernel layer
* Separated by the associated subnet providing data separation with increasing security at the network layer
* Separated by one associated VLAN providing data separation with increasing security at the Linux Kernel layer
* Separated by the associated subnet at the Linux Kernel layer

QUESTION 24

A customer site has four NAS servers participating in MetroSync replication. Which Dell EMC Unity feature could reduce failover times?
* QoS Failover Policy
* Cabinet Failover
* SRDF Metro
* Consistency Groups

QUESTION 25

A customer has a data center with applications running on 16 volumes that are presented from a Dell Unity XT system. They want to design a DR site within metro distance with zero RPO using storage-based replication.

According to Dell best practices, which design approach minimizes the impact on storage performance?
* Use multiple ports per controller for replication.
* Include a Flash tier in a hybrid pool where synchronous replication is active.
* Use Thick volumes within the replication group.
* Create the synchronous replication session before filling the source storage object with data.
* Dell Unity XT and DR Design:

* For disaster recovery (DR) within a metro distance and zero Recovery Point Objective (RPO), synchronous replication is the preferred method.

* Synchronous replication ensures that data is written to both the source and target volumes simultaneously, which requires high performance to minimize latency.

* Best Practices for Minimizing Impact on Performance:

* Multiple Ports per Controller: While this can improve throughput, it does not directly minimize the latency impact of synchronous replication.

* Flash Tier in Hybrid Pool: Including a flash tier in a hybrid pool enhances performance significantly because flash drives offer lower latency and higher IOPS compared to traditional spinning disks. This is critical for synchronous replication scenarios where performance impact needs to be minimized.

* Thick Volumes: Using thick volumes can provide consistent performance, but they do not inherently minimize the impact of synchronous replication.

* Synchronous Replication Session: Creating the replication session before filling the source storage object with data is a procedural step and does not address performance during active replication.

* Dell Midrange Storage References:

* Dell Unity XT best practices emphasize the use of flash tiers in hybrid pools to boost performance for demanding operations, including synchronous replication.

* Resources from Dell Technologies’ documentation on storage-based replication and performance optimization provide detailed insights.

References:

* Dell Unity XT Best Practices

* Dell Community on Midrange Storage

* Dell Storage Product Information

QUESTION 26

Which two parameters avoid bottlenecks and improve performance when sizing Dell Unity XT storage solutions? (select 2)
* Workload Types
* Port Utilization
* Network Latency
* Port load balancing
* Network Bandwidth

QUESTION 27

Which NVMe SCM drives are supported by Dell PowerStore?
* 800 GB and 1.6 TB
* 600 GB and 1.2 TB
* 375 GB and 750 GB
* 400 GB and 1 TB

QUESTION 28

Which features were introduced in SCOS 7.3?
* Distributed Sparing and Live Volume ALUA
* Data-in-Place upgrade for SC4020 and 4K HDD support
* Unisphere for SC and Live Volume Auto-failover
* CloudlQ support and Cross Platform Replication

QUESTION 29

Drag and Drop Question

Match each Dell EMC Unity feature with its destination.

Feature	Definition
Cascade replication	Move hosts and attached file systems to a different SP
NAS server mobility	One-to-many asynchronous replication for a single file storage resource
MetroSync	Asynchronous replication of an already replicated resource to another tier
Fan-out replication	Native synchronous replication for file resources

Feature	Definition
	NAS server mobility
	Fan-out replication
	Cascade replication
	MetroSync

QUESTION 30

Which block resources are supported with Dell EMC Unity asynchronous replication?

* Consistency Groups and file systems
* VMFS and NFS datastores
* LUNs and file systems
* LUNs and VMFS datastores

Reference: https://cdn2.hubspot.net/hubfs/1885982/dell-emc-unity-unisphere- overview.pdf?t=1543339206682

QUESTION 31

You are designing a two-tiered Dell EMC SC Series solution that will be optimized for performance. You gather the necessary data from Live Optics and find that the read/write ratio is

80:20.

What approach is recommended?

* Size Tier 1 for 100% of the adjusted IOPS
* Use distributed adjusted IOPS for all tiers
* Use distributed adjusted IOPS for Tiers 1 and 2 only
* Size Tier 2 for 100% of the adjusted IOPS

“The engineer should design a system to handle all, or nearly all, IOPS in one particular tier”

QUESTION 32

What is a benefit of using a performance assessment tool?

* Retrieves workload metrics from all storage systems
* Provides performance statistics in a structured postgres database
* Retrieves the performance archives using the Unity Data Collection
* Provides automated performance statistics in chart and table format

A performance assessment tool is used to evaluate the performance of storage systems and provide statistics that can be used to identify and troubleshoot performance issues. One of the benefits of using a performance assessment tool is that it provides automated performance statistics in chart and table format, making it easy to understand performance metrics and identify any

potential issues. This allows the user to quickly identify and address any bottlenecks in the system, and make adjustments to improve performance.

QUESTION 33

Which network option should be configured to provide the best iSCSi performance on a Dell Unity XT array?

* Jumbo frames
* iSCSI offload
* Disable flow control
* Single VLAN for all traffic

QUESTION 34

What non-Dell product reports can be generated using My Work?

* NetApp and HDS
* HP EVA and IBM SVC
* HDS and 3PAR
* 3PAR and IBM XIV

QUESTION 35

What tools can be used to migrate block data from a legacy VNX array to a new Dell Unity XT array?

* SANCopy and PowerPath Migration Enabler
* EMCopy and SANCopy
* PowerPath Migration Enabler and Rsync
* Rsync and EMCopy

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