Vendor: Dell-EMC

Exam Code: D-PST-DS-00

Exam Name: Dell PowerStore Design

Version: DEMO

QUESTION 1
A customer requires that all PowerStore audit logs be forwarded to a centralized SIEM.

Which PowerStore security feature enables this capability?

A. Managed SNMP
B. Volume tagging
C. Managed SMTP
D. Remote syslog

Answer: D
Explanation:
Remote syslog forwards PowerStore audit messages and system events to external logging hosts, allowing a centralized SIEM to collect and analyze them.

Reference: https://www.dell.com/support/manuals/en-us/powerstore-1200t/pwrstr-monitoring/remote-logging?guid=guid-2494cedb-d340-43e3-9654-1cf840b6d775&lang=en-us

QUESTION 2
A customer is designing a multisite PowerStore deployment for their enterprise and wants to tightly control all software that is installed on their storage infrastructure. During the design workshop, their Security Architect asks who has authority over the master GPG key that signs PowerStore software images before they are made available for download and upgrade.

Who controls the master GPG key used to sign PowerStore software packages?

A. RSA GPG
B. The customer
C. Dell
D. PowerStore

Answer: C
Explanation:
Dell controls the master GPG key used to sign all PowerStore software packages. During an upgrade, PowerStore verifies the package signature and rejects packages with invalid signatures.

QUESTION 3
A Storage Architect is designing a Dell PowerStore solution for a financial organization that stores sensitive customer information. The security team requires protection of stored data so that physical drive theft or unauthorized hardware access does not expose the data.

Which design consideration would the Storage Architect recommend?

A. TLS encryption
B. CHAP authentication
C. Data at rest encryption
D. Role-based access control

Answer: C
Explanation:
Data at rest encryption protects information stored on PowerStore drives, preventing readable data exposure if a drive is removed, stolen, or accessed outside the system.

Reference: https://infohub.delltechnologies.com/en-ca/l/dell-powerstore-introduction-to-the-platform-1/powerstore-key-features-8/

QUESTION 4
An organization is deploying a new PowerStore appliance for a database workload that will use only block storage. The team wants to maximize block IOPS and avoid dedicating system resources to file services.

Which mode would the team recommend?

A. Unified mode
B. Hypervisor-based mode
C. Appliance mode
D. Optimized mode

Answer: D
Explanation:
PowerStore block-optimized mode enables block-only storage and assigns CPU and memory that would otherwise support file services to block activity, increasing available block performance.

Reference: https://infohub.delltechnologies.com/en-ca/l/dell-powerstore-elastic-stack/unified-or-block-optimized-2/

QUESTION 5
Dell AIOps analysis shows increasing storage consumption over several months.

Which action should the storage consultant take when designing the PowerStore solution?

A. Include additional storage capacity to accommodate projected workload growth.
B. Size the storage system based only on the current measured capacity requirements.
C. Enable aggressive data reduction policies to minimize future storage usage.

Answer: A
Explanation:
Dell AIOps provides capacity trending and forecasting. A sustained increase indicates that expected growth should be included in the PowerStore sizing to avoid premature capacity exhaustion.

Reference: https://www.dell.com/support/manuals/en-us/powerstore-9200t/pwrstr-plang/apex-aiops-observability?guid=guid-d9708624-fb8d-4da6-a41f-d7f5b964d81e&lang=en-us
https://www.dell.com/support/manuals/en-us/powerstore-3200t/pwrstr-monitoring/capacity-forecasting-and-recommendations?guid=guid-d64840e1-aaae-4efa-913c-eab81ddbc327&lang=en-us

QUESTION 6
During a customer environment assessment, the Storage Analyst observes that multiple applications generate different workload profiles. Some workloads are latency-sensitive, while others require large throughput.

What should the Analyst prioritize when sizing the storage system?

A. Evaluating workload characteristics to balance performance and capacity
B. Limiting storage connectivity options to simplify infrastructure network design
C. Designing the largest storage configuration to maximize available capacity

Answer: A
Explanation:
Accurate sizing must consider each workload's capacity and performance characteristics, including latency, IOPS, and bandwidth, to select a configuration that meets all application requirements.

Reference: https://infohub.delltechnologies.com/en-ca/l/dell-powerstore-microsoft-hyper-v-best-practices/correctly-size-the-powerstore-storage-appliance/

QUESTION 7
A customer wants a PowerStore design to support a 300 TB Oracle environment that has a mix of small-block random and large-block sequential I/O workloads. They expect 30% growth annually over the next three years.

How much capacity should be sized for this?

A. 330.0 TB
B. 507.7 TB
C. 659.1 TB
D. 390.0 TB

Answer: C
Explanation:
Annual growth is compounded:

300 × 1.303 = 659.1 TB

Therefore, the solution should be sized for 659.1 TB after three years.

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