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2025 Reliable HPE7-J02 Braindumps Book - The Best HP HPE7-J02 Study Material: Advanced HPE Storage Integrator Solutions Written Exam

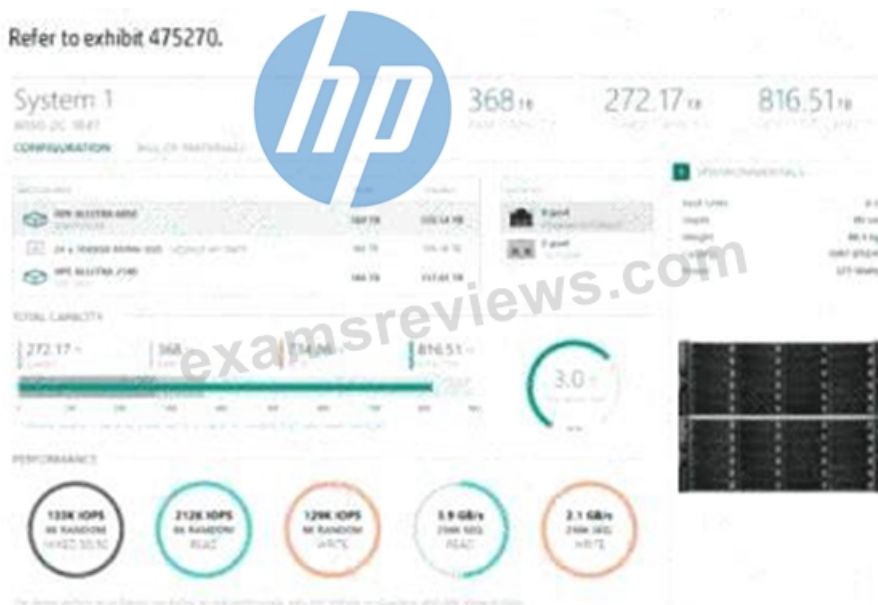
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HP Advanced HPE Storage Integrator Solutions Written Exam Sample Questions (Q15-Q20):

NEW QUESTION # 15

The storage solution based on the exhibit is deployed at a customer site.

Refer to exhibit 475270.



How can the sequential read performance values be enhanced for this configuration?

- A. By adding another expansion shelf
- **B. By increasing the amount of 10/25 Gb NICs**
- C. By adding SCM to the solution
- D. By replacing 10/25 Gb with a 32 Gb FC HBA

Answer: B

Explanation:

Detailed Explanation:

Rationale for Correct Answer:

The exhibit shows a system delivering ~2.3 GB/s sequential read. For large-block sequential workloads, aggregate host link bandwidth (number × speed of front-end ports) is the primary limiter. Increasing the count of 10/25 Gb iSCSI NICs adds parallel lanes, raising sustained read GB/s to the hosts. This is a recommended first step in HPE sizing before changing protocols.

Analysis of Incorrect Options (Distractors):

A: Adding an expansion shelf increases capacity, not front-end bandwidth.

C: Moving to 32 Gb FC can help, but simply adding more existing 10/25 Gb ports achieves the same goal without a protocol/adaptor change and is the straightforward, supported scale-out path.

D: SCM (Storage Class Memory) targets latency/IOPS; it doesn't materially lift sequential GB/s if the link budget is the bottleneck.

Key Concept: Scale front-end connectivity to increase sequential throughput; capacity or media class changes won't fix a link-limited system.

Reference: HPE Alletra 6000/MP Sizing and Host Connectivity Guidelines (throughput scaling via additional host ports).

NEW QUESTION # 16

You need to evaluate a customer's virtual server environment to size an HCI solution based on HPE SimpliVity according to usage metrics over time. The environment consists of Dell servers and storage running VMware virtualization.

Which action can you use to gather the usage metrics of this setup?

- A. Use HPE InfoSight for SimpliVity to gather data from external compute clusters.
- **B. Import the HPE CloudPhysics Observer to the vCenter cluster to gather the analytics.**
- C. Use the HPE InfoSight Primary Storage sizing tool to calculate the competitive performance metrics.
- D. Use HPE NinjaOnline SimpliVity Sizer to gather the usage metrics of the current environment and have them imported directly into the sizer.

Answer: B

Explanation:

Detailed Explanation:

Rationale for Correct Answer:

For competitive or 3rd-party (non-HPE) environments like Dell + VMware, HPE CloudPhysics is the correct tool. The Observer

VM is deployed into vCenter to gather real-world workload metrics (CPU, memory, storage I/O). These analytics can then be used for SimpliVity HCI sizing.

Distractors:

A: NinjaOnline SimpliVity Sizer requires input metrics, but it cannot directly collect from 3rd-party environments.

B: InfoSight sizing applies to HPE arrays, not competitive storage.

D: InfoSight for SimpliVity only monitors existing HPE SimpliVity clusters.

Key Concept: CloudPhysics Observer # gathers competitive workload metrics # feeds into SimpliVity sizing.

Reference: HPE CloudPhysics for HCI Sizing.

NEW QUESTION # 17

Your customer wants to use their HPE Alletra Storage MP B10000 array to store persistent data for Kubernetes-based applications. After deploying the CSI driver using Helm and creating the secret with the command `kubectl create -f hpe-backed.yaml`, what is the next required step to enable the containerized applications to consume persistent volumes on the Alletra MP array?

- A. Define a StorageClass by running `kubectl create -f storageclass.yaml`
- B. Create a PersistentVolume by using `kubectl create -f pv.yaml`
- C. Update the Helm repository by using `helm repo update` to recognize the CSI driver
- D. Create a PersistentVolumeClaim by using `kubectl create -f my-pvc.yaml`

Answer: A

Explanation:

Detailed Explanation:

Rationale for Correct Answer:

After installing the HPE CSI driver and creating backend secrets, the next critical step is to define a StorageClass that references the backend driver and parameters. Without the StorageClass, Kubernetes cannot dynamically provision PersistentVolumes (PVs).

Once the StorageClass is created, workloads can request storage using PersistentVolumeClaims (PVCs).

Distractors:

A: Helm repo update only refreshes Helm charts; it does not enable CSI provisioning.

B: A PVC requires a StorageClass to bind dynamically - it cannot be created successfully beforehand.

C: Manually creating PVs is possible, but not the HPE best practice with CSI, which relies on StorageClass for dynamic provisioning.

Key Concept: Kubernetes CSI workflow: Secret # StorageClass # PVC # Pod.

NEW QUESTION # 18

Refer to the exhibit.



Runtime Name	Status	Transport	Name	Preferred
vmfbatCO-T2L1I	Standby	Fibre Channel	vmfbatCO-T2L1I	No
vmfbatCO-T1L1I	Standby	Fibre Channel	vmfbatCO-T1L1I	No
vmfbatCO-T3L1I	Dead	Fibre Channel	vmfbatCO-T3L1I	No
vmfbatCO-T2L1I	Standby	Fibre Channel	vmfbatCO-T2L1I	No
vmfbatCO-T3L1I	Standby	Fibre Channel	vmfbatCO-T3L1I	No
vmfbatCO-T0L1I	Active (I/O)	Fibre Channel	vmfbatCO-T0L1I	No
vmfbatCO-T1L1I	Standby	Fibre Channel	vmfbatCO-T1L1I	No
vmfbatCO-T0L1I	Active (I/O)	Fibre Channel	vmfbatCO-T0L1I	No

The above image represents an existing Alletra 6000 Peer Persistence configuration.

Which statement could be true in this scenario?

- A. The amount of active (0) paths could reduce the performance of the array.
- B. The performance of the array could be reduced due to the amount of paths active.
- C. The performance of the array could be reduced due to a missing controller.

Answer: C

Explanation:

Detailed Explanation:

Rationale for Correct Answer:

In the exhibit, several paths show "Standby" and some appear "Dead", while only a subset is Active (0).

This typically indicates that one storage controller may be missing or offline, which reduces redundancy and can cause performance degradation. In a healthy Peer Persistence environment, both controllers should present active and non-optimized paths.

Distractors:

A & B: Having multiple active paths does not inherently reduce performance; in fact, MPIO load balances traffic. The issue here is path failures, not excessive active paths.

Key Concept: MPIO pathing in HPE Peer Persistence and controller health.

Reference: HPE Alletra 6000 Peer Persistence Implementation Guide.

NEW QUESTION # 19

Your organization is implementing a new high-performance computing (HPC) cluster to support advanced scientific simulations. The cluster will consist of several hundred nodes that require rapid access to shared datasets. The storage is Vast/GL4F.

The application is very sensitive to latency and minimizing CPU overhead during data transfers is critical to achieving the desired performance levels.

Which access protocol should the organization implement to enhance NFS performance by reducing storage latency and increasing I/O operations?

- A. NFS
- B. RoCE
- C. NFS over RDMA
- D. iSER

Answer: C

Explanation:

Detailed Explanation:

Rationale for Correct Answer:

For HPC and AI/ML workloads, NFS over RDMA (Remote Direct Memory Access) provides significantly lower latency and reduced CPU overhead compared to standard NFS over TCP. This allows direct memory-to-memory data transfers between storage and compute nodes, bypassing the kernel network stack. In VAST Data (underpinning GreenLake for File Storage), NFS over RDMA is explicitly supported to accelerate shared dataset access in HPC and AI environments.

Distractors:

A: Standard NFS introduces more latency due to kernel TCP/IP stack overhead.

C: RoCE (RDMA over Converged Ethernet) is a transport layer technology - useful, but the protocol chosen for the file system must be NFS over RDMA, not just RoCE.

D: iSER (iSCSI Extensions for RDMA) enhances iSCSI block storage, not NFS file workloads.

Key Concept: NFS over RDMA for HPC/AI shared datasets.

Reference: HPE GreenLake for File Storage powered by VAST - HPC Deployment Guide, RDMA and NFS performance white papers.

NEW QUESTION # 20

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