

HP Reliable HPE7-V01 Exam Simulator: Advanced HPE Edge-to-Cloud Solutions Written Exam - DumpsValid High-Efficient Test Discount for your preparing



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HP HPE7-V01 Exam Syllabus Topics:

Section	Weight	Objectives
Topic 1: Solution Design and Architecture	30%	- Hybrid cloud integration and management - Security, resilience, and data protection - Compute solutions: HPE ProLiant, Apollo, Superdome Flex - Networking: Aruba, HPE FlexFabric, software-defined networking - Storage solutions: HPE Alletra, Primera, 3PAR, Nimble
Topic 2: Requirements Gathering and Analysis	20%	- Workload characteristics and placement considerations - Business drivers, goals, and constraints - Risk assessment and mitigation - Technical requirements: performance, scalability, security, compliance
Topic 3: Industry Trends and Cloud Models	15%	- Deployment models: public, private, hybrid, multi-cloud - Cloud service models: IaaS, PaaS, SaaS - IT transformation and emerging technologies - HPE GreenLake and consumption-based IT
Topic 4: Solution Positioning and Recommendation	20%	- Align solutions to customer needs and budget - Total cost of ownership and ROI analysis - Service and support options - Differentiate HPE value propositions
Topic 5: Implementation Planning and Presentation	15%	- Present and validate solution design - Project phases, timeline, and dependencies - Migration and integration strategies - Coordination with stakeholders and teams

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HP Advanced HPE Edge-to-Cloud Solutions Written Exam Sample Questions (Q35-Q40):

NEW QUESTION # 35

Your customer plans to replace a legacy HPE BladeSystem solution with the HPE Synergy platform.

The customer requirements include:

- * 30 compute nodes to support their virtualization workloads
- * Redundancy within the management subsystem
- * An in-frame storage solution to support vSAN
- * A guidance/automation technology with HPE Aruba to virtualize WWNs
- * Simplified management with a single logical enclosure

You are reviewing the following proposal:

- * 3 x HPE Synergy 12000 frames
 - * 2 x HPE Virtual Connect SE 100Gb F32 Modules for Synergy
 - * 4 x HPE Synergy 50Gb Interconnect Link Modules
 - * 3 x HPE D3940 Storage Modules with maximum number of drives
 - * 6 x HPE Composer2 + 30 x HPE OneView Advanced licenses
 - * 30 x SY 480 Gen1 1 compute modules, each with 2 CPUs and appropriate mezzanine cards
- Which statement about the proposal is true to help meet the customer requirements?

- A. Each frame should be equipped with two HPE 12Gb SAS switches to provide connectivity between compute nodes and D3940 Storage Module.
- B. 3 x HPE Composer 2 modules can be removed from the proposal, as you need one HPE Composer2 module per HPE Synergy frame for enhanced availability.
- C. HPE 32Gb Fibre Channel switches should be added to the proposal to enable WWN virtualization and profile mobility.
- D. Additional HPE OneView Advanced licenses should be added for the HPE Virtual Connect modules and HPE D3940 Storage Modules.

Answer: A

Explanation:

The correct answer is C because HPE Synergy D3940 is an in-frame direct-attached storage module, and compute modules access it through HPE Synergy 12Gb SAS Connection Modules. For a redundant in-frame storage design, each Synergy frame that contains a D3940 storage module should include two SAS connection modules to provide redundant paths between the compute modules and the storage module. This is especially important for virtualization and software-defined storage designs such as vSAN, where storage path availability is a core design requirement. Option A is incorrect because HPE OneView Advanced licensing is associated with managed server infrastructure licensing, not separate additional licenses for every Virtual Connect or D3940 module. Option B is not required for this in-frame DAS design; Fibre Channel switches are used for SAN connectivity, not for D3940 SAS connectivity. Option D misstates Composer design: Composer redundancy is planned at the management-appliance level, not as a simple one-per-frame removal rule. This aligns with the course's Synergy, composable infrastructure, virtualization, and storage-networking design objectives.

NEW QUESTION # 36

Your customer wants to implement a disaster recovery solution for their virtualization workload. They also want to implement a protection method that will protect the workload in case of a site failure.

Their existing environment includes the following configurations:

- * All ESXi systems are located in the same datacenter
- * Virtual machines are protected by an HA cluster
- * Some of the VMs are protected with Fault Tolerance
- * HPE Synergy 480 Gen1 1 is the compute platform
- * HPE Alletra Storage MP B10000 array for storage
- * Orchestrated failover for all VMs using VMware tools

The customer plans to replicate the same setup at the second site. The total number of virtual machines that must be protected is

200. Your customer also expects an RPO of 0.

Which component or configuration is a necessary part of a solution that will meet all customer requirements?

- A. Storage policy-based management (SPBM) must be configured for a group of the virtual machines.
- **B. Synchronous replication configured between sites to replicate the volumes used to build the datastores.**
- C. HPE Synergy frames from the secondary site added to the logical enclosure configured in the primary site.
- D. Asynchronous replication configured between sites used to replicate the volumes used to build the datastores.

Answer: B

Explanation:

The correct answer is C. RPO 0 is the decisive requirement. A zero recovery point objective means the customer cannot lose acknowledged writes if a site fails. That requirement cannot be satisfied by asynchronous replication because asynchronous copy always introduces replication lag. The storage volumes backing the VMware datastores must be synchronously replicated between the two sites so that committed data exists at both locations before the write is considered protected. HPE Alletra Storage MP B10000 is designed for mission-critical block workloads and supports high-availability replication models, including synchronous Remote Copy / Peer Persistence designs for VMware environments. HPE documentation for Active Peer Persistence describes synchronous Remote Copy as the mechanism used for high-availability protection across arrays. Option A is incorrect because stretching or joining HPE Synergy frames across sites is not the mechanism that provides RPO 0.

Option B can help with VMware policy-driven placement, but SPBM alone does not replicate data.

Option D fails the RPO requirement. Reference/topics: DR architecture, RPO 0, synchronous replication, B10000 Remote Copy, VMware datastore protection.

NEW QUESTION # 37

Which statement about Omnisia Horizon workloads is correct?

- A. Omnisia Horizon is only supported through HPE Compute and only for customers who will run more than 720 virtual desktops.
- **B. Unified Access Gateway allows users to securely access virtual desktops from outside a corporate firewall.**
- C. Omnisia Horizon requires vVols for the primary storage. Traditional VMFS datastores can only be used for templates and ISO images.
- D. Omnisia Horizon requires GPU resources available on all deployed clusters.

Answer: B

Explanation:

The correct answer is A. Omnisia Unified Access Gateway is the edge access component used with Horizon to provide secure remote access from an external network to internal Horizon desktops and applications. It is commonly positioned in a DMZ and avoids exposing internal Horizon infrastructure directly to external users. Omnisia documentation describes Unified Access Gateway as enabling secure remote access from external networks to Workspace ONE and Horizon resources, and Horizon installation guidance describes it as the default gateway for secure access to remote desktops and applications from outside the corporate firewall. Option B is incorrect because Horizon support is not limited to a minimum of more than 720 desktops, nor is it only supported through a generic HPE Compute qualification. Option C is technically wrong because Horizon can use supported VMware datastore types such as VMFS, NFS, and vVols depending on the validated design. Option D is also wrong because GPU resources are required only for graphics-accelerated use cases, not for every Horizon cluster. Reference/topics: workload requirement analysis, VDI architecture, HPE compute platform positioning, secure access design.

NEW QUESTION # 38

Your customer is in the early stages of an AI project. They are requesting a POC demonstrating how they can utilize on-prem data with a limited amount of rack space, in an air-cooled environment.

Performance with the AI use case of Retrieval-Augmented Generation (RAG) will be the primary factor in their decision making. Which HPE Compute offering would be suitable in this scenario?

- **A. HPE ProLiant Compute DL384 Gen12 with NVIDIA GH200 NVL2.**
- B. HPE ProLiant Compute DL320 Gen11 with NVIDIA L4 GPUs.
- C. HPE ProLiant Compute DL380a Gen12 with NVIDIA H200 NVL GPUs.
- D. HPE Cray XD670 with NVIDIA H200 Tensor Core GPUs.

Answer: A

Explanation:

The correct answer is B. The customer is not asking for the lowest-cost AI inference server; the scenario explicitly states that RAG performance is the primary decision factor, while also requiring limited rack space and air cooling. HPE ProLiant Compute DL384 Gen12 with NVIDIA GH200 NVL2 is the strongest fit because it is designed for high-performance enterprise AI and provides coherent CPU

/GPU memory architecture with very high memory bandwidth, which is especially valuable for RAG and larger language-model workflows. HPE product information describes the DL384 Gen12 as a 2U air-cooled 19-inch rack server with NVIDIA GH200 NVL2, and HPE states that the platform provides outstanding coherent memory and memory bandwidth to run larger models faster and more cost-effectively. Option A is powerful, but the DL380a Gen12 is a larger GPU platform and is less optimized for the "limited rack space" RAG-specific requirement than the DL384. Option C is compact but lower-performance, making it weaker when performance is the primary factor. Option D is excessive for an early-stage on-prem POC. Reference/topics: AI workload sizing, RAG architecture, DL384 Gen12, GH200 NVL2, air-cooled AI infrastructure.

NEW QUESTION # 39

You are validating the hardware architecture for an AI solution.

Your customer has requested that you focus on possible upgrades for their HPE ProLiant Compute DL384 Gen12 server.

Which of the following statements is correct?

- A. The GPU performance can be increased by adding more Nvidia GB200 accelerators.
- B. The 400Gb NICs can be added if liquid cooling is used with the chassis.
- C. The amount of supported EDSFF drives depends on the selected RAID controller.
- **D. The Superchips on the server include a fixed amount for the memory configuration.**

Answer: D

Explanation:

The correct answer is B. The HPE ProLiant Compute DL384 Gen12 is an AI-optimized server platform built around NVIDIA Grace Hopper Superchip architecture. In this class of design, the CPU/GPU complex and high-bandwidth memory are integrated as part of the Superchip module rather than being expanded like conventional DIMM-based system memory. The HPE DL384 Gen12 data sheet describes the platform as using NVIDIA GH200 NVL2 Superchips and highlights coherent memory and memory bandwidth characteristics, which is exactly why the memory configuration is treated as tied to the Superchip selection. Option A is incorrect because the DL384 Gen12 architecture is not upgraded by freely adding more GB200 accelerators; it is based on a defined Grace Hopper Superchip platform. Option C is incorrect because EDSFF drive support is a platform/backplane architecture consideration, not simply a RAID-controller dependency. Option D is also not the governing rule for 400Gb NIC support. Reference/topics: AI server architecture, DL384 Gen12, NVIDIA GH200/NVL2, Superchip memory architecture, hardware validation.

NEW QUESTION # 40

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