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QUESTION 1

Which storage technologies have been introduced in HP ProLiant Gen9 servers\\'?(Select two.)

- A. single cache across stand up cards
- B. SSD drives
- C. shared battery backup
- D. Super-caps
- E. SmartCaching

Correct Answer: AC

Explanation: Explanation/reference:

Shared backup power—HP Smart Storage battery

With ProLiant Gen9 servers, HP Smart Storage batteries are offered as a platform-wide device, with support no longer confined to Smart Array controllers. This means that backup power has been moved from one supercap per controller to a **shared battery** across all Smart Array controllers in a system. [Figure 1-22](#) reproduces a screen in iLO 4 that shows the status of Smart Storage batteries and other power information.

ProLiant server direct-attached storage

With the introduction of ProLiant Gen9 technologies, HP is offering more flexible direct-attached storage across the ProLiant server portfolio. Hard disk drives (HDDs) will continue to live on as bulk storage. HP solid-state drives (SSDs) are becoming more commonly used as fast tiers or cache for any application you want to accelerate.

Some of the changes in ProLiant Gen9 storage offerings include:

- Serial ATA (SATA)-only option (up to 10 ports) offered on all servers
- Dynamic Smart Array B140i embedded storage controller standard on all ProLiant Gen9 servers
- Boot device options
- M.2 SATA, USB-attached mirrored microSD
- 12 Gb/s SAS P-series controllers
- **Shared battery for backup power (no more supercaps)**
- **Single-cache module across stand-up cards (4 GiB)**
- 12 Gb/s SAS H-series controllers
- Low-cost SAS RAID options (0, 1, 5)

QUESTION 2



Which HP memory technology validates that the DIMM has passed rigorous HP qualification and test procedures?

- A. Lockstep Memory
- B. Online Spare Memory
- C. Smart Memory
- D. Mirrored Memory

Correct Answer: C

Explanation: Explanation/reference:

Introduced in ProLiant Gen8 servers and enhanced in ProLiant Gen9 servers, HP SmartMemory technology unlocks features available only with HP qualified memory. Unlike third-party memory, SmartMemory has a unique signature on each DIMM that authenticates whether the memory has passed the rigorous HP qualification and test process. [Table 1-3](#) compares SmartMemory features with the competition. SmartMemory is capable of enhanced support through HP Active Health System.

QUESTION 3

Support for which technology has been introduced in ProLiant Gen 9 servers?

- A. Location Services
- B. FlexibleLOMs
- C. NVDIMM Memory
- D. HP OneView

Correct Answer: C

QUESTION 4



Active Health System

Monitors and records changes in the server hardware and system configuration
Monitors hardware, generates alerts, and runs on the iLO chipset
Provides out-of-the box single-server deployment and configuration capability
Provides secure export of logs to speed up troubleshooting

Intelligent Provisioning

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Hot Area:



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Correct Answer:

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QUESTION 5

How can you access smart storage administrator on an HP ProLiant gen9 server?

- A. By booting the server from smart CD
- B. Through the HP OneView Dashboard
- C. Through a special applet in the iLO4 Card
- D. Through HP intelligent provisioning

Correct Answer: D



- **Accessing ACU in the online environment**—This method requires an administrator to download the ACU executables and install them. You can run ACU online after launching the host operating system.



Note

The HP Smart Storage Administrator (SSA) configuration utility replaced the ACU starting with Intelligent Provisioning 1.50.

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