

HP2-T29^{Q&As}

Delta - Building HP Server Solutions

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QUESTION 1

Which component has been introduced for HP Gen9 servers\?

- A. Smart Socket Guide
- B. HP Intelligent Provisioning
- C. HP OneView
- D. Flex Slot form factor power supply

Correct Answer: D

Explanation:

HP 300 series Flex Slot form factor power supply

Select ProLiant Gen9 servers feature HP Flex Slot power supplies ([Figure 1-20](#)). Flex Slot power supplies represent a new generation of toolless, hot-swappable components that use the cross-platform interchangeability model **introduced** with HP Common Slot power supplies. Flex Slot power supplies achieve the same degree of efficiency as Common Slot power supplies but use 25% less space, thus allowing more room for compute and I/O connectivity functions in the server chassis.

QUESTION 2

Which items should be updated to the latest firmware levels prior to adding a c7000 enclosure to HP OneView?(Select two.)

- A. Smart Array Controllers
- B. Virtual Connect Modules
- C. Onboard Administrators
- D. SAS Interconnect Switches
- E. Server System ROMs

Correct Answer: BC

Explanation: <http://thesysadminlogs.wordpress.com/>

Adding enclosure to OneView

Let's start with the requirement to add enclosure,

No VC domain!

Firmwares -

- HP Virtual Connect - 3.15 for adding, 4.10 for managing.
- HP BladeSystem Onboard Administrator - 3.0 for adding, 4.01 for managing.
- HP iLO 4 - 1.01 for adding 1.30 for managing.
- HP iLO 3 - 1.20 for adding, 1.61 for managing.
- It's recommended to update OA, VC and servers to the latest SPP...
- Emulex Converged Network Adapters - 4.2.401.6 or later

OneView can automatic update the firmware for you, I advise to update manually before adding to OneView.

QUESTION 3

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 4

Which ProLiant server line is comprised of expandable tower servers\?

- A. DL
- B. SL
- C. ML
- D. BL

Correct Answer: B

QUESTION 5

You need to verify the System ROM version installed on a number of different HP server models. Select the tool you should use for each server model. Tool choices may be selected more than once.

BL465 G7

DL160 Gen9

ML10 Gen9

DL580 Gen8

Hot Area:

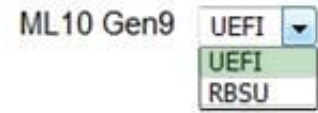
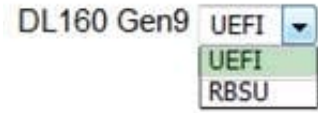
BL465 G7

DL160 Gen9

ML10 Gen9

DL580 Gen8

Correct Answer:



QUESTION 6

Which HP server architecture enables customization of server networking adapters?

- A. FlexibleLOM
- B. FlexLayer
- C. FlexAttach
- D. FlexNetwork

Correct Answer: A

Explanation:

the past several years but are not current IT trends.

- 2. B. **Flexible LOM** technology allows customers to select a NIC that provides the functions and bandwidth they need, without being limited by the NIC that is embedded on the system board. *For more information, see Chapter 1.*

QUESTION 7

Which BIOS mode is implemented in ProLiant Gen9 Servers\''?

- A. UEFI with Compatibility only
- B. Legacy BIOS
- C. Both UEFI and UEFI with Compatibility
- D. UEFI only

Correct Answer: C

QUESTION 8

Which compute workloads are most suitable for scale-out computing solutions\\?(Select two.)

- A. unified communication applications
- B. personal productivity applications
- C. geophysical exploration applications
- D. high frequency trading applications
- E. data center management applications

Correct Answer: CD

- Geophysical and meteorological sciences
- Entertainment and media production
- Visualization and rendering
- Finance

Extending HPC access

HP is making HPC resources available as part of a service hybrid cloud solution (with the Apollo 6000 system). Based on HP OpenStack, it provides an open and scalable HPC cluster infrastructure.

HP has also partnered with Intel, as well as institutions such as George Mason University and the National Center for Manufacturing Sciences, to make HPC resources available in HPC innovation hubs. These hubs give small- and medium-sized manufacturers access to supercomputing resources, hardware, software, and expertise, so they can do the modeling and simulation needed to bring new products to market faster.

Service providers

HPC customers use IT differently from corporate IT organizations. An HPC customer's expenditure on IT often approaches 90% of the total cost of the business—10 times that of a corporate IT organization. And the IT growth rates for a service provider can be many times the IT growth rate of a corporation. For service providers, IT is the business.

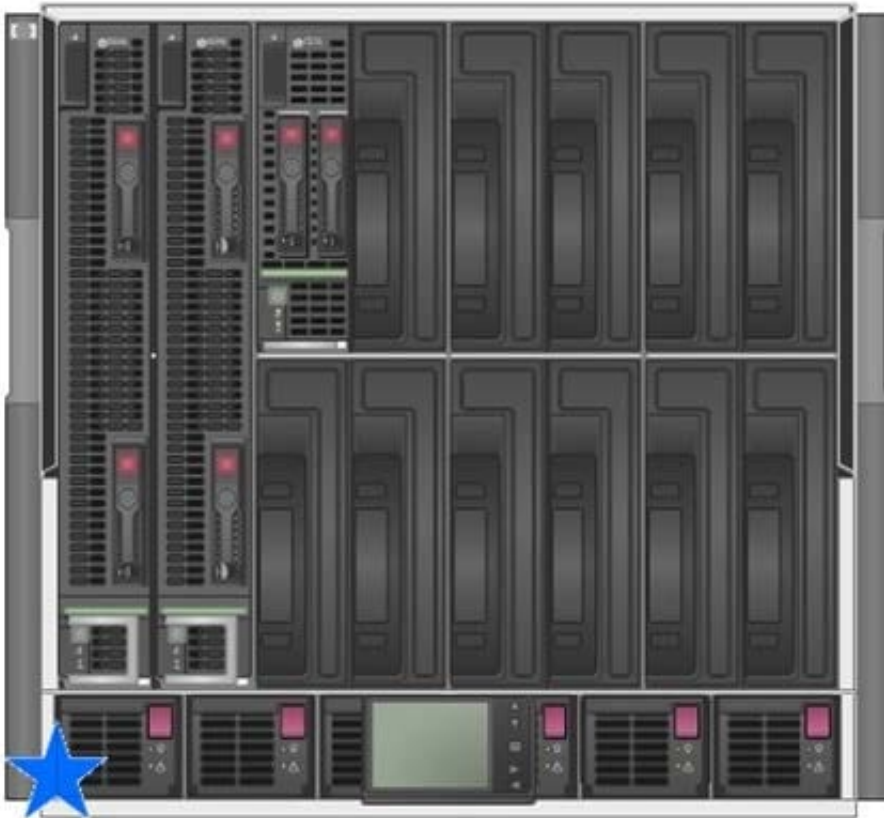
Within HPC, HP customers are continually looking for better performance to design better products, get to market faster, and achieve faster trading where microseconds translate to millions of dollars.

QUESTION 9

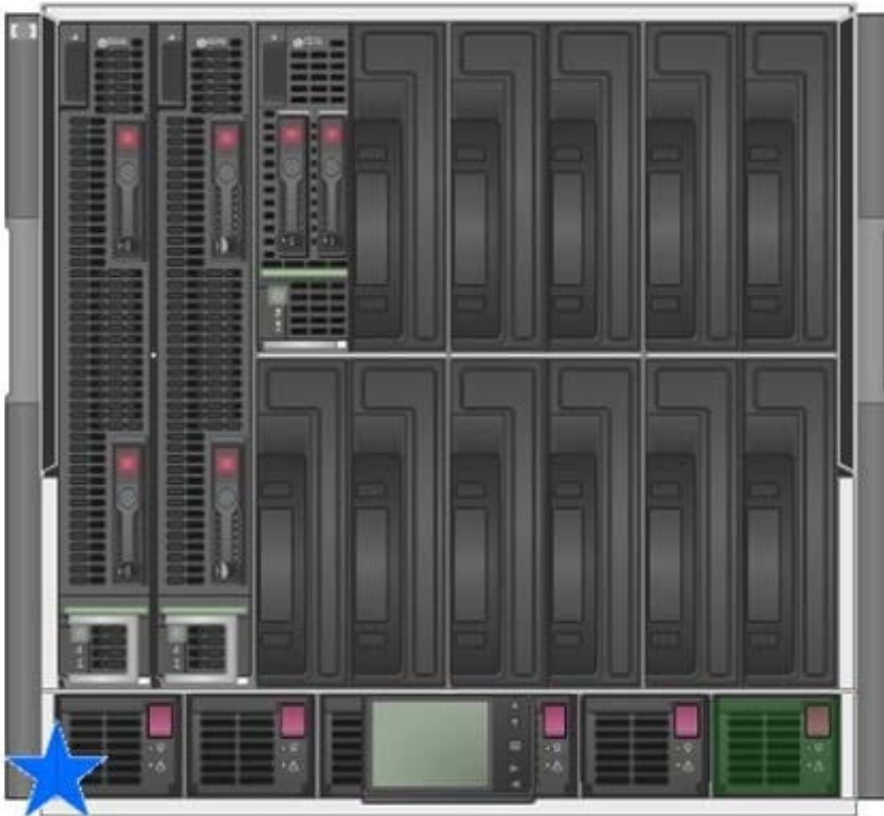
You need to add an additional full height blade to the enclosure shown below and not cause downtime to existing servers. Drag and drop the star to the bay in which you would add the blade.



Hot Area:



Correct Answer:



QUESTION 10

Match the HP Server family to the proper statement

HP BL servers

density-optimized for stacking in rack-mounted server environments
available in rack and tower models
cost-effective starter server for businesses with fewer than 10 clients
provides reduction in power cables, LAN and SAN switches

ProLiant MicroServer

density-optimized for stacking in rack-mounted server environments
available in rack and tower models
cost-effective starter server for businesses with fewer than 10 clients
provides reduction in power cables, LAN and SAN switches

HP DL servers

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HP ML servers

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