



# HP2-T29<sup>Q&As</sup>

Delta - Building HP Server Solutions

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**QUESTION 1**

An organization needs you to change the RAID level on its servers from RAID 0 to RAID 5 for security reasons. Which tool should you use to complete this task in online mode?

- A. Array Diagnostic Utility
- B. Flexible Array Storage Tool
- C. Smart Storage Administrator
- D. Option ROM Configuration for Arrays

Correct Answer: D

Explanation:

[http://h20564.www2.hp.com/hpsc/doc/public/display?docId=emr\\_na-c02110406&DocLang=en&docLocale=en\\_US&jumpid=reg\\_r1002\\_usen\\_c-001\\_title\\_r0001](http://h20564.www2.hp.com/hpsc/doc/public/display?docId=emr_na-c02110406&DocLang=en&docLocale=en_US&jumpid=reg_r1002_usen_c-001_title_r0001)

During this autoconfiguration process, ORCA uses all of the physical drives on the controller to set up the first logical drive. The **RAID level** used for the logical drive depends on the number of physical drives (one drive = RAID 0; two drives = RAID 1+0; three to six drives = RAID 5). If the drives have different capacities, ORCA locates the smallest drive and uses the capacity of that drive to determine how much space to use on each of the other drives.

- If the boot drive has been formatted or if there are more than six drives connected to the controller, you are prompted to run ORCA manually.

For more information about the autoconfiguration process, see the *HP ROM-Based Setup Utility User Guide* on the documentation CD provided with the server.

ORCA is available in a menu-driven interface and as a command-line interface (CLI) (not supported by ProLiant 100-series servers). These formats provide a quick and easy method for basic logical drive configuration. They have limited support for standard configuration tasks. However, these few tasks are adequate if your configuration needs are simple. For example, stripe size is predetermined by the RAID level you choose, and the size of the logical drive is determined automatically by the size of the physical drives you select.

**QUESTION 2**

Your customer does not install OS locally but is utilizing network boot over IPv6. Which server supports IPv6 PXEboot?

- A. ML350 Gen8
- B. DL980 G7
- C. DL580 Gen8
- D. DL380 Gen8



Correct Answer: C

Explanation:

#### UEFI support

Like the ProLiant Gen9 servers, the ProLiant DL580 Gen8 server includes Unified Extensible Firmware Interface (UEFI) enhanced by HP ([Figure 2-5](#)), a superset of the standard UEFI specifications that offers an advanced feature set.

The UEFI enhanced by HP offers robust functionality, including:

- Configuring system devices and installed options
  - Secure Boot, which allows the system firmware, option card firmware, operating systems, and software to collaborate to enhance platform security
  - Enabling and disabling system features
  - Preboot Execution Environment (PXE) boot support for IPv6 networks
  - PXE Multicast Boot allowing for faster PXE deployments for large numbers of servers
  - Enhanced UEFI Shell that provides a preboot environment for running scripts and tools
  - Access to the iLO 4 management engine
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#### QUESTION 3

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.

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### QUESTION 4

What does HP recommend customers do when upgrading to a second processor in a DL380 Gen9 server?

- A. Update the system ROM
- B. Update the memory controller firmware
- C. Update the RAID controller firmware
- D. Update the iLO firmware

Correct Answer: D

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### QUESTION 5

Which HP tool can be used by Intelligent Provisioning to update drivers and firmware?

- A. HP Smart Storage Administrator



- B. HP Smart Update Manager
- C. HP Insight Remote Support
- D. HP ROM-Based Setup Utility

Correct Answer: D

Reference:

[http://h20565.www2.hp.com/hpsc/doc/public/display?docId=emr\\_na-c03245683&docLocale=en\\_US&jumpid=reg\\_r1002\\_usen\\_c-001\\_title\\_r0001](http://h20565.www2.hp.com/hpsc/doc/public/display?docId=emr_na-c03245683&docLocale=en_US&jumpid=reg_r1002_usen_c-001_title_r0001)

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