



HP0-S42^{Q&As}

Architecting HP Server Solutions

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**QUESTION 1**

You are discussing a new c7000 BladeSystem solution with your customer and they indicate a possible future need to increase the amount of NICs per server to a total of eight. Which interconnect type fulfills this requirement by using two interconnect bays?

- A. HP 1/10 Gb-F Virtual Connect Ethernet module
- B. Cisco Catalyst Blade Switch 3120X for HP
- C. HP 1/10 Gb Ethernet BL-c Switch
- D. HP Virtual Connect Flex-10 10 Gb Ethernet module

Correct Answer: D

Reference: http://h18004.www1.hp.com/products/quickspecs/13127_div/13127_div.pdf

QUESTION 2

You need to reduce electrical consumption while supporting peaks in application loads across ProLiant Gen9 servers that are running different operating systems. Which HP Power Regulator mode provides this balanced approach?

- A. HP Static High Performance Mode
- B. HP Static Low Power Mode
- C. OS Control Mode
- D. HP Dynamic Power Savings Mode

Correct Answer: D

QUESTION 3

Which memory capacity does the BL460c Gen9 support?

- A. 4 DIMM slots supporting 256MB
- B. 6 DIMM slots supporting 512MB
- C. 8 DIMM slots supporting 256MB
- D. 16 DIMM slots supporting 512GB

Correct Answer: D

Reference: [http://www8.hp.com/us/en/products/proliant-servers/product-detail.html?oid=5177949#!tab%3Dspecs\(memory\)](http://www8.hp.com/us/en/products/proliant-servers/product-detail.html?oid=5177949#!tab%3Dspecs(memory))



QUESTION 4

Which protocol is supported by FlexFabric 556 and 650 series adapters that enables customers to decrease network latency with minimal impact to server performance?

- A. RoCE
- B. FCIP
- C. PCoIP
- D. TCP/IP

Correct Answer: C

Reference: <http://www8.hp.com/h20195/v2/getpdf.aspx/4AA5-4774ENN.pdf?ver=2.0>

QUESTION 5

Which column in the exhibit indicates the status of firmware inventory of the managed systems?

The screenshot shows a web interface titled "My servers" with a table of server information. The table has columns for HS, MP, SW, VM, PF, ES, System Name, System Type, System Address, and Product Name. The "ES" column contains icons representing the status of the firmware inventory. The "SW" column contains icons representing the status of the software. The "PF" column contains icons representing the status of the power supply. The "VM" column contains icons representing the status of the virtual machine. The "MP" column contains icons representing the status of the management plane. The "HS" column contains icons representing the status of the hardware. The "System Name" column contains the name of the server. The "System Type" column contains the type of server. The "System Address" column contains the IP address of the server. The "Product Name" column contains the name of the server product.

HS	MP	SW	VM	PF	ES	System Name	System Type	System Address	Product Name
						bl46-240 in End. R133c4	Server	192.168.172.196	ProLiant BL460c G1
						bl46-240 in End. R133c4	Server	192.168.172.197	ProLiant BL460c G1

- A. PF
- B. ES
- C. SW
- D. HS

Correct Answer: C

**QUESTION 6**

Which memory protection does the BL460c Gen9 support?

- A. Round-robin 64-bit CRC
- B. Double-Chip spare Mode
- C. Online Spare Mode
- D. RAID Memory Mode

Correct Answer: C

Reference:

<http://h20000.www2.hp.com/bizsupport/TechSupport/Document.jsp?objectID=c03241047&lang=en&andcc=us&andtaskId=andprodSeriesId=5177949&andprodTypeId=3709945> (see memory protection in product features)

QUESTION 7

What can you monitor with HP Insight Online? (Select three)

- A. Service events
- B. Directory services
- C. Warranties
- D. OS event log
- E. Support cases

Correct Answer: ACE

QUESTION 8

You customer requires a highly available storage solution that supports synchronous replication, iSCSI, and Fiber Channel, in addition to the automatic tiering of data across storage tiers. Which HP storage solution best satisfies this customer's needs?

- A. HP P6000 Storage System
- B. HP P1000 3PAR Storage System
- C. HP P2000 MSA Storage System
- D. HP P4000 LeftHand Storage System

Correct Answer: B

**QUESTION 9**

An HP solution includes insight Control, iPDUs, and servers configured with Common Slot Plus PSUs. Which technological advantage does this HP solution provide?

- A. Automated discovery and power configuration validation
- B. Intelligent switching of three-phase to single phase power
- C. Remote SNMP management of power regulators
- D. Ability to boot servers using half the normal power requirement

Correct Answer: A

QUESTION 10

You have presented an HP ProLiant Gen9 server solution to a new Customer. They are interested in your proposal but are concerned about its manageability. They want to monitor server health without installing additional software due to security and performance reasons. Which information will Agentless Management provides? (Select two)

- A. Performance counters
- B. Firmware inventory
- C. SMART drive monitoring
- D. Cluster status
- E. FC storage

Correct Answer: AC

QUESTION 11

What enables out-of-band management of multiple rack-mount servers from a single web interface?

- A. Onboard Administrator
- B. iLO Federation
- C. Intelligent Provisioning
- D. Virtual Connect Enterprise Manager

Correct Answer: A

Reference: <http://h10032.www1.hp.com/ctg/Manual/c00814176.pdf>

QUESTION 12



Where can you download the Active Health System log? (Select two.)

- A. ILO Management Engine Web Interface
- B. Intelligent Provisioning
- C. SmartStart
- D. Insight Diagnostics
- E. Systems Management Homepage

Correct Answer: AB

Reference: <http://www.manualslib.com/manual/441601/Hewlett-Packard-Proliant-DI388e.html?page=83>

QUESTION 13

An existing HP customer has over 20 c7000 enclosures with ProLiant blades and Cisco Ethernet interconnects and is looking to double the size of the environment to accommodate a rise in computing resource demands. Their network administrator workload currently exceeds what can be accomplished with present staffing levels, and budget is not available for hiring additional employees.

Which HP technology should you recommend to grow their environment and help address their staffing limitation?

- A. Virtual Connect
- B. CloudSystem Service Provider
- C. Intelligent PDUs
- D. A-series switches

Correct Answer: A

QUESTION 14

A customer needs to encrypt local drives on their HP ProLiant Gen8 and Gen9 servers. The customer needs to manage the encryption centrally. Which HP products and features should you recommend to meet the customer's needs?

- A. HP Smart Array Px1x and Px2x family of controllers, the Trusted Platform Module, and iLO Advanced
- B. HP Smart Array Px3x and Px4x family of controllers, the HP Enterprise Secure Key Manager, and iLO Advanced
- C. HP Smart Array Px1x and Px2x family of controllers, the HP Enterprise Secure Key Manager, and iLO Select
- D. HP Smart Array Px3x and Px4x family of controllers, the Trusted Platform Module, and iLO Select

Correct Answer: B

Reference: <http://www8.hp.com/h20195/v2/getpdf.aspx/c04318075.pdf?ver=2>

**QUESTION 15**

For HP BladeSystem c7000 enclosures, which components are required to make full use of Dynamic Power Capping (that can be purchased together as part of HP Insight Control suite)?

(Select four)

- A. Insight Power Manager
- B. HP Power Assistant
- C. N+N Redundant AC power configuration
- D. iLO Select license
- E. Redundant Onboard Administrator (OA)
- F. Power Cap Manager

Correct Answer: ACDE

QUESTION 16

A customer needs a hardware refresh of their G6 servers and is considering the Gen9 platform. What is an advantage of Virtual Media in a Gen9 compared to the G6 platform?

- A. USB 3.0
- B. USB 2.0
- C. Mounting multiple drives simultaneously
- D. Mounting zip files

Correct Answer: B

Explanation: HP G6 servers didn't support USB virtual media. They supported only CD-ROM. USB 3.0 is still not supported on Gen 8 servers.

QUESTION 17

Which market trend is driving the growth of Virtual Desktop infrastructure?

- A. converged networks
- B. social engineering
- C. workforce mobility
- D. cloud computing

Correct Answer: D

**QUESTION 18**

What is the maximum number of 1066 MHz LRDIMMs supported per channel in an HP ProLiant DL380 Gen9 server?

- A. 2
- B. 3
- C. 4
- D. 8

Correct Answer: B

Reference: http://h18004.www1.hp.com/products/servers/options/tool/hp_memtool.html (See LRDIMM or load reduced ?for gen 8 servers. When the site loads, click agree and on the following screen, you can see the information)

QUESTION 19

A customer is interested in the HP Intelligent Power Discovery solution. What is required to implement the solution? (Select two)

- A. Intelligent PDU with intelligent extension bars
- B. A ProLiant server that supports Dynamic Power Capping
- C. Onboard Administrator with firmware v3.3 or later
- D. ProLiant BL460G7 server in a c7000 enclosure Platinum Power Supply
- E. ProLiant DL380G7 server with Common Slot Platinum Power Supply

Correct Answer: AE

Reference:

<http://h18004.www1.hp.com/products/servers/rackandpower/powersupplies/ipd/questionsanswers.html> (See answers: Q3)

QUESTION 20

A customer is asking you to evaluate virtualization and consolidation of their current infrastructure. You know they are running different operating systems\' versions. How can you validate that the operating systems currently in use are supported on Gen9 server?

- A. HP ProLiant Web
- B. HP Enterprise Configurator
- C. HP Systems Selling Guide



D. HP Operating Systems and Virtualization Server Metrics

Correct Answer: B

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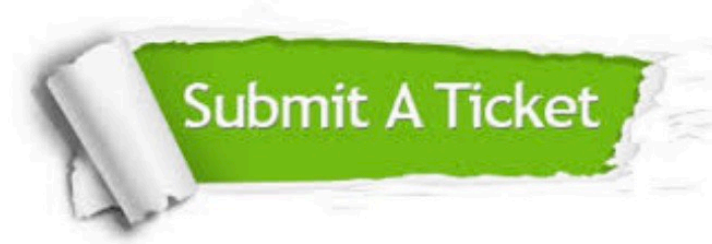
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