

# HP

## EXAM HP2-T26

Prepare for HP Servicing HP BladeSystem Solutions

Total Questions: **220**

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## Question: 1

Which feature is supported by the zx2 chipset in the Integrity BL860c?

- A. hot spare and hot-plug of memory DIMMs
- B. up to 512GB of memory (not fully buffered DIMMs)
- C. memory DIMM error correction (chip sparing)
- D. 512-bit, 800MHz (800 MT/s, 1600MHz data rate) memory bus

**Answer: C**

## Question: 2

Which processor type is used with the HP BL460c G6 Server Blade?

- A. Dual-Core Intel® Itanium® Processor
- B. Intel® Xeon® Processor
- C. HP PA-RISC FSB, double data rate
- D. AMD Opteron processor

**Answer: B**

## Question: 3

What is needed to connect a Windows-based laptop to the c7000 or c3000 enclosure service port and successfully communicate with the Onboard Administrator?

- A. a laptop with the network interface set to DHCP and a null modem cable
- B. a laptop with the network interface set to DHCP and a standard CAT5 patch cable
- C. a laptop with the network interface set to an address in the 192.168.1.x range and a CAT5 crossover cable
- D. a laptop with the network interface set to an address in the 192.168.1.x range and a standard CAT5 patch cable

**Answer: B**

## Question: 4

Which connectivity type is supported to access Systems Management Architecture for the Server Hardware (SMASH) Command Line Protocol? (Select three.)

- A. serial
- B. ftp
- C. rcp

- D. telnet
- E. ssl
- F. ssh

**Answer: A, D, F**

## Question: 5

What is the maximum number of SB1760c Tape Blades that can be installed in a c7000 blade enclosure?

- A. 16
- B. 8
- C. 4
- D. 2

**Answer: B**

## Question: 6

How does a c7000 enclosure retain air handling integrity when a server blade is removed?

- A. The enclosure design uses blank panels to prevent air loss.
- B. A blanking panel causes the air flow to reverse, allowing warmer air to escape.
- C. The enclosure uses a self-closing door to prevent air loss.
- D. The fans increase in revolutions per minute to increase air volume.

**Answer: B**

## Question: 7

Which feature of the BL465c G7 allows the server to accommodate 16 DIMM slots and retain the half-height form factor?

- A. PCIe Gen 2 x8 mezzanine expansion slots
- B. AMD SR5690/SP5100 chipset
- C. Hot Plug Drive Drawer
- D. Smart Array P410i Controller with 1GB FBWC

**Answer: B**

## Question: 8

HOTSPOT

Click on the component that provides remote enclosure management in c-Class enclosures.



Answer:



## Question: 9

Which interconnect can be used with the Fibre Channel over Ethernet (FCoE) capability of the new G7 Series of c-Class blades?

- A. HP 1/10Gb-F Virtual Connect Ethernet
- B. HP Virtual Connect Flex-10 10Gb Ethernet
- C. Virtual Connect FlexFabric
- D. HP ProCurve 6120G/XG interconnect
- E. HP Virtual Connect FC Module

Answer: C

## Question: 10

What happens when you turn the enclosure UID to "On" on the Insight Display of a c7000 enclosure?

- A. The rear enclosure UID LED illuminates and the color of the Insight Display changes to blue.
- B. The front enclosure UID LED illuminates and the color of the Insight Display changes to blue.
- C. The rear enclosure UID LED illuminates and the color of the Insight Display changes to green.
- D. The front enclosure UID LED illuminates and the color of the Insight Display changes to green.

**Answer: A**

## Question: 11

Which full-height device bays are in Zone 3 of a c7000 enclosure?

- A. 1 and 2
- B. 3 and 4
- C. 5 and 6
- D. 7 and 8

**Answer: C**

## Question: 12

Which HP BladeSystem component is used for power allocation and control for all blades and interconnects?

- A. Rack and Power Manager
- B. Power Manager
- C. Onboard Administrator
- D. Insight Display

**Answer: C**

## Question: 13

What is the maximum number of c3000 enclosures that can be installed in a 42U rack?

- A. 4
- B. 5
- C. 6
- D. 7

**Answer: D**

## Question: 14

Which HP c-Class server blades take up two c3000 enclosure server bays? (Select two.)

- A. BL860c
- B. BL870c
- C. BL685 G7
- D. BL490 G6
- E. BL2x220c G6

**Answer: A, C**

## Question: 15

DRAG DROP

Place each server blade on its recommended application type.

**Application Types**

Scale-out HPC Web 2.0

Enterprise Data Center

Virtualization

Mission Critical

BL870c

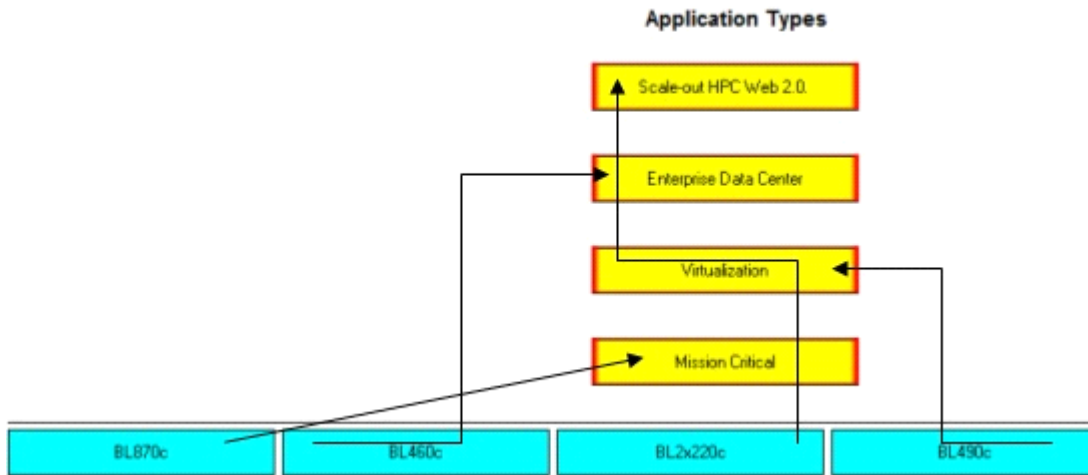
BL460c

BL2x220c

BL490c

**Answer:**

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## Question: 16

HOTSPOT

Click on the SB600c All-in-One Storage Blade in the graphic.



Answer: Pending



## Question: 17

Which HP blade comes with a license for Microsoft Cluster Server (MSCS)?

- A. BL490c
- B. BL870c
- C. X3800sb
- D. xw2x220c

**Answer: C**

## Question: 18

DRAG DROP

Place the preventive measure steps in the correct order.

Place Step 1 here

Place Step 2 here

Place Step 3 here

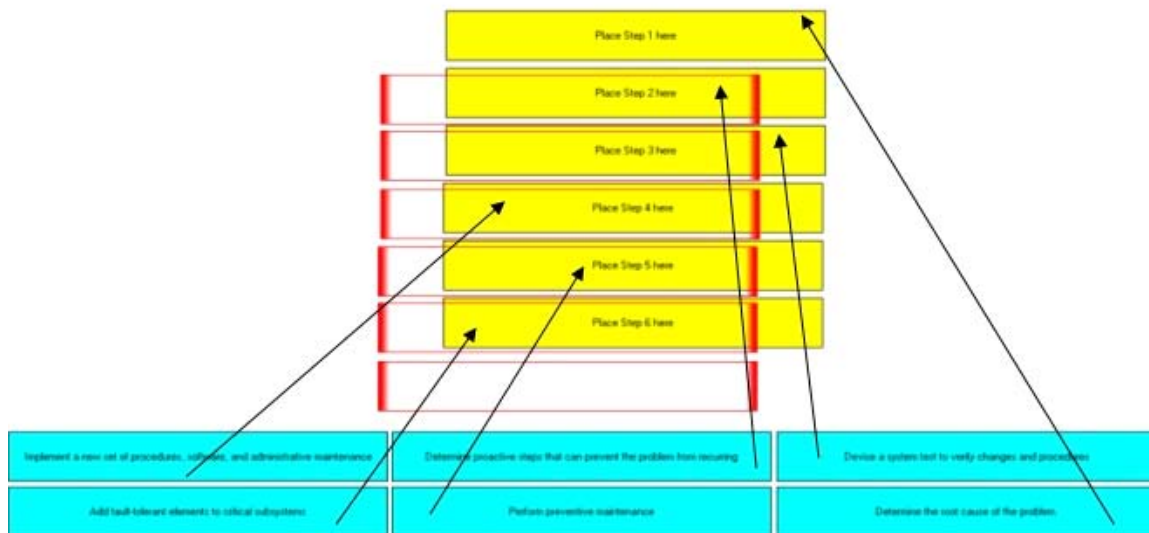
Place Step 4 here

Place Step 5 here

Place Step 6 here

Implement a new set of procedures, software, and administrative maintenance	Determine proactive steps that can prevent the problem from recurring	Devise a system test to verify changes and procedures
Add fault-tolerant elements to critical subsystems	Perform preventive maintenance	Determine the root cause of the problem.

**Answer:**



## Question: 19

Which utilities can be used to scan for malware on a Windows server? (Choose two.)

- A. Snort
- B. Ad-Aware
- C. Postfix
- D. Microsoft Network Monitor
- E. Spybot

**Answer: B, C**

## Question: 20

When should a performance baseline be captured?

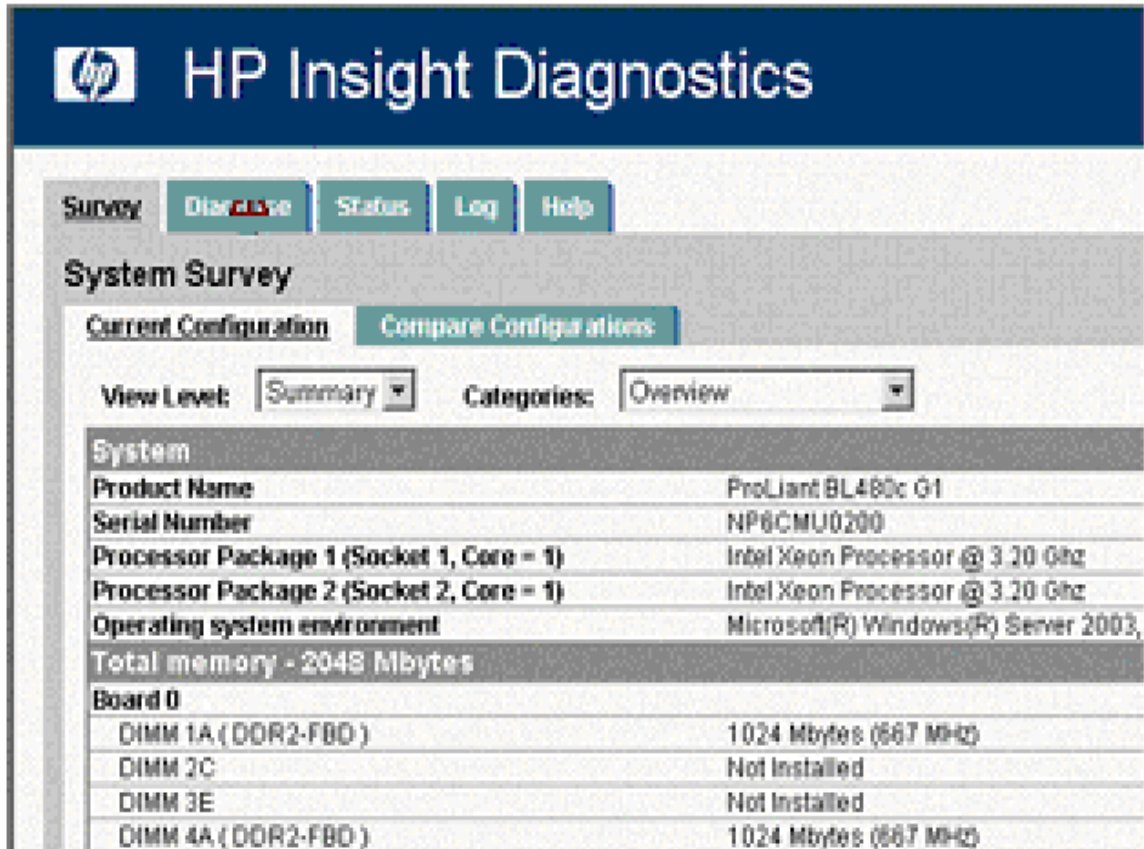
- A. after the initial installation of the equipment, during normal daily operation
- B. after the initial installation of the equipment, during peak operating conditions
- C. before and after each step of the initial installation of the equipment
- D. three times a day during the first week following the initial installation of the equipment

**Answer: A**

## Question: 21

HOTSPOT

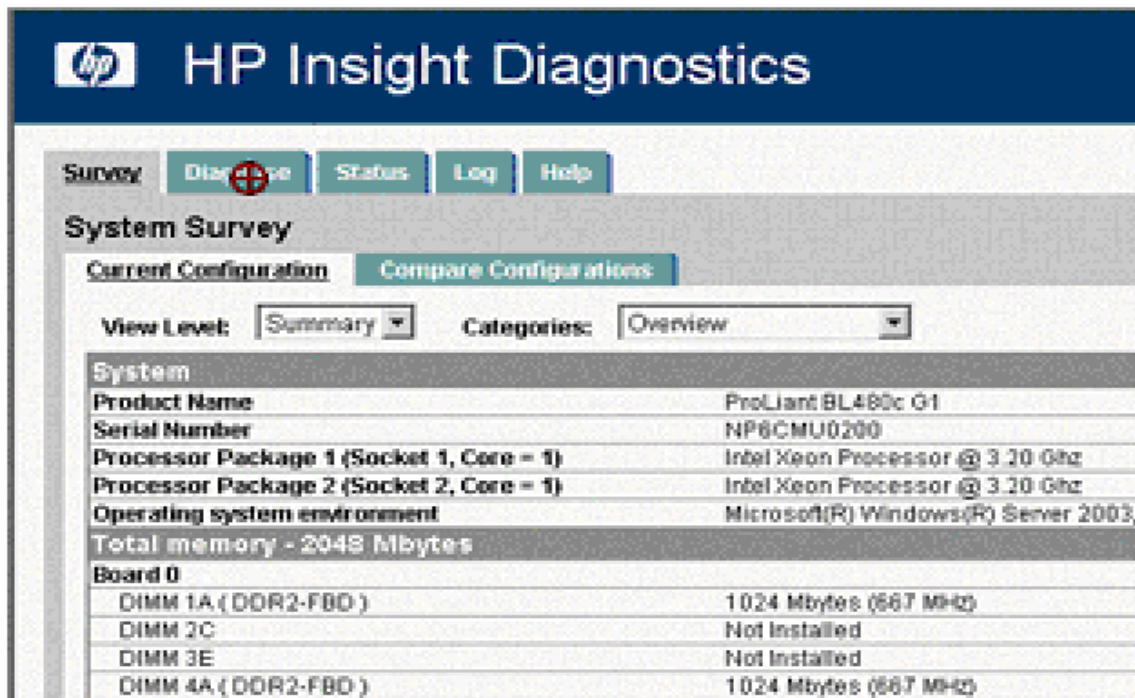
Click the area of the graphic where you can view real time diagnostic error information.



The screenshot displays the HP Insight Diagnostics interface. At the top, there is a navigation bar with buttons for 'Survey', 'Diagnose', 'Status', 'Log', and 'Help'. Below this, the 'System Survey' section is active, with sub-tabs for 'Current Configuration' and 'Compare Configurations'. The 'View Level' is set to 'Summary' and 'Categories' is set to 'Overview'. The main content area shows a table of system information:

System	
Product Name	ProLiant BL480c G1
Serial Number	NP6CMU0200
Processor Package 1 (Socket 1, Core = 1)	Intel Xeon Processor @ 3.20 GHz
Processor Package 2 (Socket 2, Core = 1)	Intel Xeon Processor @ 3.20 GHz
Operating system environment	Microsoft(R) Windows(R) Server 2003,
Total memory - 2048 Mbytes	
Board 0	
DIMM 1A (DDR2-FBD)	1024 Mbytes (667 MHz)
DIMM 2C	Not Installed
DIMM 3E	Not Installed
DIMM 4A (DDR2-FBD)	1024 Mbytes (667 MHz)

Answer:



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DIMM 2C	Not Installed
DIMM 3E	Not Installed
DIMM 4A (DDR2-FBD)	1024 Mbytes (667 MHz)

## Question: 22

Which HP Insight Diagnostics log displays POST errors?

- A. Test Log
- B. Error Log
- C. Integrated Management Log (IML)
- D. Sys Log

**Answer: C**

## Question: 23

What should you do to replace a defective Standby Onboard Administrator (OA) in a c7000 enclosure?

- A. Move the Active OA to Standby bay, then replace the OA.
- B. Replace the Standby OA after all server blades are powered off.
- C. Replace the Standby OA only while the enclosure is powered off.
- D. Replace the Standby OA while the enclosure is powered on.

**Answer: D**

## Question: 24

A customer is experiencing intermittent storage connectivity issues in their BladeSystem environment. After collecting the log files from the external storage system and the interconnects, you suspect the problem is in the Onboard Administrator configuration. Which step should you take next in the troubleshooting process?

- A. Reset the Onboard Administrator to factory defaults.
- B. Develop an optimized action plan.
- C. Escalate the problem.
- D. Run the First Time Setup Wizard.

**Answer: B**

## Question: 25

A system engineer wants to replace the c3000 BladeSystem Insight Display. What must be done before the engineer can remove it? (Select two.)

- A. The server blade must be removed from the bay.
- B. Onboard Administrator link module must be removed.
- C. The Insight Display data cable must be disconnected.
- D. The Onboard Administrator tray must be removed.
- E. The enclosure cover to access Insight Display must be removed.

**Answer: C, D**

## Question: 26

You want to connect to a ProLiant Server Blade that has the iLO port available. What must you do to connect a laptop for a direct connection to the Onboard Administrator?

- A. Connect a hub/switch between the laptop and the ProLiant Server Blade iLO port.
- B. Use a CAT 5 cross-over cable.
- C. Use a standard CAT 5 cable.
- D. Use a CAT 5e cable.

**Answer: C**

## Question: 27

Which CLI commands can be used to determine if networking has been configured properly in Windows? (Select two.)

- A. netconfig
- B. netstat
- C. ipstat
- D. ipconfig
- E. ifconfig

**Answer: B, D**

## Question: 28

What happens during a Virtual Connect configuration restore?

- A. The configuration restores without causing any service interruption to the server blades.
- B. There is service interruption during the restore of the configuration.
- C. A reboot of the entire enclosure is required for the new configuration to take effect.
- D. A reboot of the Onboard Administrator is required in order to re-establish communication to the Virtual Connect module.

**Answer: C**

## Question: 29

When performing a backup of a Virtual Connect configuration, where is the configuration file saved?

- A. locally on the Virtual Connect module
- B. on the redundant passive partner Virtual Connect module
- C. on the local desktop of the client machine that currently has the active browser session
- D. on the Onboard Administrator of the enclosure where the Virtual Connect module is installed

**Answer: C**

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## Question: 30

DRAG DROP

Place the background color of Insight Display next to its description. Note: Not all colors are used.

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Note: Not all colors are used.

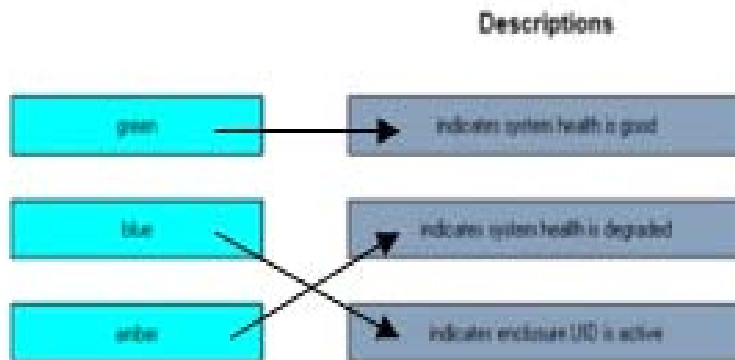
**Descriptions**

green	indicates system health is good
blue	indicates system health is degraded
amber	indicates enclosure UID is active

---

red	brown
-----	-------

**Answer:**



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## Question: 31

DRAG DROP

Identify the correct enclosure DVD status for each enclosure.

Identify the correct enclosure DVD status for each enclosure.

The image shows four server enclosure diagrams arranged in a 2x2 grid. Each diagram consists of a front view and a rear view of a server rack. Above each diagram is a yellow box labeled "place here". Below the diagrams are four blue boxes representing different DVD drive statuses: "drive present but no media loaded", "media in drive and connected to server", "drive not installed in the enclosure", and "media not in drive and connected to server".

- Top-left enclosure:** Front view shows a DVD drive with a media tray. Rear view shows a DVD drive with a media tray. A red line is drawn across the front view.
- Top-right enclosure:** Front view shows a DVD drive with a media tray. Rear view shows a DVD drive with a media tray. A red line is drawn across the front view.
- Bottom-left enclosure:** Front view shows a DVD drive with a media tray. Rear view shows a DVD drive with a media tray. A red line is drawn across the front view.
- Bottom-right enclosure:** Front view shows a DVD drive with a media tray. Rear view shows a DVD drive with a media tray. A red line is drawn across the front view.

**Answer:**

The image shows the same four server enclosure diagrams as above, but with arrows pointing from the "place here" boxes to the correct status boxes. The arrows indicate the following assignments:

- Top-left enclosure:** Arrow points to "media in drive and connected to server".
- Top-right enclosure:** Arrow points to "media in drive and connected to server".
- Bottom-left enclosure:** Arrow points to "drive not installed in the enclosure".
- Bottom-right enclosure:** Arrow points to "drive not installed in the enclosure".



## Question: 32

Which information can the user access from an HP Array Diagnostics Utility (ADU) report? (Select two.)

- A. array accelerator status
- B. outstanding I/Os
- C. Reserved Information Sector (RIS) data
- D. test connection rate

**Answer: A, C**

## Question: 33

What provides information on the software inventory of a server and available updates?

- A. HP Subscribers Choice
- B. HP System Management Homepage (SMH)
- C. Version Control Agent (VCA)
- D. Version Control Repository Manager (VCRM)

**Answer: C**

## Question: 34

A c7000 connected to an MDS600 is not working as expected. Several times a day, blades lose connectivity to their assigned disks. Your manager asks you to develop an action plan according to the HP troubleshooting methodology. What needs to be included in the action plan? (Select three.)

- A. necessary steps to implement the solution
- B. order number of the solution
- C. elevation plan
- D. special local regulatory information
- E. solution to workaround issue with third-party hardware
- F. possible root cause of the problem

**Answer: A, C, F**

## Question: 35

A customer is experiencing drive encryption issues with a BL490c Server Blade running Microsoft Windows Server. The Trusted Platform Module (TPM) is suspected as the cause. What must be done to replace the TPM? (Select two.)

- A. The TPM must be cleared.
- B. BitLocker must be disabled.
- C. The TPM Visibility option must be set to hide so it is not visible to the OS.
- D. The TPM must be replaced, as it is a customer installable option.
- E. The TPM and system board must be replaced at the same time.

**Answer: B, E**

## Question: 36

After the replacement of an HP StorageWorks Ultrium Tape Blade, the new unit should be tested. What is the recommended diagnostic and support tool for c-Class tape blades?

- A. Backup Exec Tape Diagnostic Support Tool for HP c-class BladeSystems
- B. HP c-class BladeSystem Tape Blade Sizer and Diagnostic Tool
- C. HP BladeSystem c-Class Tape Blade Diagnostic Tool from the SmartStart CD
- D. HP StorageWorks Library & Tape Tools

**Answer: D**

## Question: 37

Which action should you take first when the Insight Display goes dark?

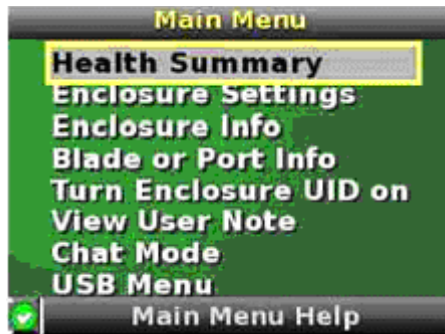
- A. Reboot Onboard Administrator.
- B. Connect Insight Display to the diagnostic station and perform all tests.
- C. Press any button on Insight Display to reactivate the screen.
- D. Replace Insight Display as it is broken.

**Answer: C**

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## Question: 38

Refer to the exhibit below.



From the main menu shown in the exhibit, which menu should you select from Insight Display to check the Onboard Administrator Service IP address?

- A. Health Summary
- B. Enclosure Settings
- C. Enclosure Info
- D. Blade or Port Info

**Answer: C**

## Question: 39

Refer to the exhibit below.



A customer reports that Insight Display shows five NICs installed in a half-height server blade, but a connection to only two of them can be established. What could cause this to happen?

- A. The NICs and interconnect modules are running different firmware revisions.
- B. The NICs and iLO share the same interface.
- C. Some interconnect modules are powered off.
- D. The NICs are multifunction cards and also operate in iSCSI mode.

**Answer: D**

## Question: 40

How is a backup of the Onboard Administrator (OA) performed?

- A. by using the CLI of interconnect in bay 1
- B. by using the GUI
- C. by copying the activeoa.cfg file to the USB drive
- D. by recording the configuration on a CD using CD-RW attached to the OA USB port

**Answer: B**

## Question: 41

You have to update firmware of the Onboard Administrator (OA) but you have no access to the GUI. What is required to flash OA firmware from the CLI?

- A. FTP/TFTP server with OA firmware image available
- B. OA certificate applied on the machine from which the update is performed
- C. service account credentials
- D. access to the Insight Display service menu

**Answer: A**

## Question: 42

You want to be able to capture and store for replay the console video during a server's last major fault or boot sequence for troubleshooting purposes. What does this require?

- A. recording agent running on Insight Display
- B. iLO firmware higher than 2.60
- C. Onboard Administrator module with KVM
- D. iLO Advanced License

**Answer: D**

## Question: 43

Where do the default configurations settings for the HP Systems Insight Management agents reside on a Linux system?

- A. \hp\hpsmh\conf\smhpd.xml
- B. \hp\hpsmh\win\_ia32\smhpd.xml
- C. \hp\hpsmh\smhpd.xml
- D. \hp\hpsmh\data\cgi-bin\smhpd.xml

**Answer: A**

## Question: 44

When connected via a remote iLO session to a new ProLiant Server Blade, how should the system BIOS settings be configured?

- A. The system ROM should automatically configure the entire system, without the need for intervention.
- B. The ACU should be run to configure the Smart Array manually, before configuring the system.
- C. The RBSU should be run to configure the system.
- D. The RBSU for iLO should be run and an account and password set up.

**Answer: C**

## Question: 45

What can be used to restore an enclosure configuration using the Onboard Administrator Configuration Management screen? (Select two.)

- A. Telnet
- B. FTP
- C. Local
- D. Remote
- E. URL

**Answer: C, E**

## Question: 46

Technician is installing HP ProLiant servers at different customer sites. Since the technician wants to have the ProLiant equipped with the latest firmware level available, what is the best solution?

- A. Before going onsite, the technician should download the latest SmartStart Firmware CD and use this SmartStart Firmware CD for deploying the latest firmware.
- B. The technician should download the latest SmartStart firmware CD and add the firmware releases published after the release of the latest SmartStart Firmware CD to the \compaq\swpackages on the CD-ROM.
- C. The technician should create a bootable USB stick containing the latest SmartStart Firmware CD and add the firmware releases published after the release of the latest SmartStart Firmware CD to the \compaq\swpackages on the USB stick.
- D. Before going onsite, the technician should download the latest SmartStart Firmware CD. The technician should download the firmware releases published after the release of the latest SmartStart Firmware CD and save these images on floppies. The SmartStart Firmware CD and downloaded images on floppy are used for deploying the latest firmware.

**Answer: C**

## Question: 47

Which interface can be used to check the firmware version of all components in a blade enclosure?

- A. HP System Update Manager
- B. Virtual Connect Manager
- C. Onboard Administrator
- D. HP System Management Homepage

**Answer: C**

## Question: 48

Which ProLiant Server Blade utilities are available to check the system information and BIOS version? (Select two.)

- A. ROM-Based Setup Utility
- B. Diagnostic Utility
- C. Inspect Utility
- D. Option ROM Configuration for Arrays Utility
- E. Network Boot Utility

**Answer: A, C**

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## Question: 49

Which server blade is based on AMD Opteron Technology?

- A. SB600c
- B. BL685c
- C. BL2x220c
- D. BL860c

**Answer: B**

## Question: 50

DRAG DROP

Place the steps for verifying and updating firmware for the BL860c server in the correct order.

### Steps in Order

place step 1 here

place step 2 here

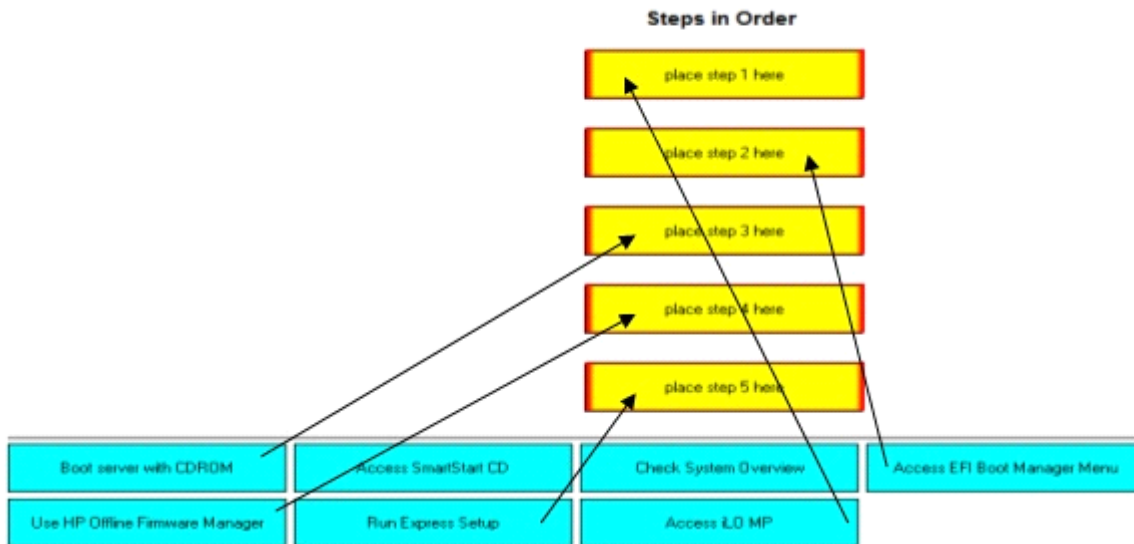
place step 3 here

place step 4 here

place step 5 here

Boot server with CDROM	Access SmartStart CD	Check System Overview	Access EFI Boot Manager Menu
Use HP Offline Firmware Manager	Run Express Setup	Access iLO MP	

**Answer:**



## Question: 51

Which services and benefits do HP CarePack Services provide? (Select three.)

- A. dedicated technical onsite technicians
- B. factory configuration
- C. onsite deployment of products
- D. legal advice for software problems
- E. a pay-per-use model for calls
- F. additional support and levels of availability

**Answer: B, C, F**

## Question: 52

What does an HP warranty include? (Select two.)

- A. software support
- B. parts and labor
- C. downtime protection as needed
- D. flexible support levels
- E. hardware protection against manufacturer defect

**Answer: B, E**



## Question: 53

Which information is required for a warranty check for a BL490c G6 Server? (Select three.)

- A. country/region
- B. service agreement ID
- C. spare part number
- D. serial number
- E. date of purchase
- F. product number

**Answer: A, D, F**

## Question: 54

Disk drive technology used in RAID storage creates logical drives from physical units. With RAID 5, how many physical I/O requests are generated for each logical write?

- A. three writes and one read
- B. two reads and two writes
- C. one read and three writes
- D. four writes and one read

**Answer: B**

## Question: 55

Which Advanced Memory Protection (AMP) features are available on a ProLiant BL460c G6? (Select three.)

- A. Memory Non-Lock-Step mode
- B. online replace and addition memory
- C. advanced error checking and correcting
- D. hot plug RAID memory
- E. online spare memory
- F. mirrored memory

**Answer: C, E, F**

## Question: 56

Which capability does Intel QuickPath technology provide?

- A. automatically allows a processor core to run faster than the base operating frequency if it is operating below power, current, and temperature specification limits
- B. allows each processor core to feature an integrated memory controller and high-speed interconnect to deliver greater performance, bandwidth, and reliability
- C. allows applications to execute threads in parallel within each processor in a server platform to enhance performance and energy efficiency
- D. provides Dynamic Power Management and Rapid Virtualization Indexing to improve application performance

**Answer: B**

## Question: 57

Which method should you use to remove a jammed cartridge from a tape blade?

- A. Remove the tape blade from the enclosure, send it in for repair and request the cartridge back.
- B. Press the Eject button for 10 seconds and wait up to 10 minutes for the tape to rewind.
- C. Remove the tape blade and open the enclosure with a torx screwdriver to remove the cartridge.
- D. Pull the release latch to force an emergency eject.

**Answer: B**

## Question: 58

Which HP c-Class server blade series only supports non hot-plug SATA drives?

- A. 100 Series
- B. 200 Series
- C. 400 Series
- D. 600 Series

**Answer: B**

## Question: 59

How many processor sockets does the HP BL870c c-Class Integrity Server Blade have?

- A. 2
- B. 4
- C. 8
- D. 16

**Answer: B**

## Question: 60

A rack with a c7000 is to be relocated to a remote location. What should be used when moving the rack to ensure no damage will occur to the enclosure?

- A. packaging foam
- B. shipping bracket
- C. stabilization kit
- D. ballast kit

**Answer: B**

## Question: 61

Which mezzanine card is compatible with the HP ProCurve 6120XG interconnect?

- A. HP NC326m PCIe Dual-Port 1Gb Server Adapter
- B. Emulex LPe1105-HP 4Gb Fibre Channel HBA
- C. HP 4X QDR IB CX-2 Dual Port Mezz HCA for HP BladeSystem c-Class
- D. HP StorageWorks 80GB IO Accelerator for BladeSystem c-Class

**Answer: A**

## Question: 62

When a customer is using a StorageWorks 3Gb SAS BL Switch in the c7000 enclosure, what can be connected?

- A. an EVA4400 storage array to the server blades in a c7000 enclosure
- B. a SB40c storage blade to the server blades in a c7000 enclosure
- C. an MSA2000sa to the server blades in a c7000 enclosure
- D. the internal SAS drives of the server blades to other resources

**Answer: C**

## Question: 63

What is the default ASR timer value after the HP Server Health driver is loaded?

- A. 10 seconds
- B. 10 minutes
- C. 1 minute
- D. 1 hour

**Answer: B**

## Question: 64

When installing half-height c-Class server blades in a c3000 rack enclosure, what is the recommended sequence for installing them into the server bays when viewed from the front of the enclosure?

- A. from top to bottom, then right to left
- B. from bottom to top, then right to left
- C. from top to bottom, then left to right
- D. from bottom to top, then left to right

**Answer: D**

## Question: 65

You replace a fully buffered DIMM and want to verify it by running the ROM-Based Memory Test. Where can you access this test?

- A. HP System Management Home Page
- B. Insight Diagnostics Offline Edition
- C. ROM-Based Setup Utility (RBSU)
- D. HP Insight Diagnostics Online Edition

**Answer: B**

## Question: 66

If time is critical and all memory tests in the HP Insight Diagnostics Offline Edition cannot be run, which memory tests should be run? (Select two.)

- A. address
- B. random address
- C. read
- D. noise

**Answer: B, D**

## Question: 67

What do you use to access RBSU to retrieve information?

- A. F2
- B. F8
- C. F9
- D. F12

**Answer: C**

## Question: 68

A BL490c G6 processor has been replaced. The customer wants the new processor to be tested for several hours before placing the server blade back in service. In order to accomplish this, what should you do after loading HP Insight Diagnostics Offline Edition?

- A. Choose an unattended quick test with a time limit.
- B. Choose a complete test with a time limit.
- C. Run an unattended quick test with a time limit.
- D. Run an unattended custom test with a time limit.

**Answer: D**

## Question: 69

Where can you find video clips of Field Replaceable Unit (FRU) removal/replacement procedures?

- A. HP Services Media Library
- B. HP Services FRU Replacement Library
- C. HP Enterprise Services Library
- D. HP Enterprise Video Library

**Answer: A**

## Question: 70

Which statements are true about Online Spare memory banks? (Select two.)

- A. The first bank populated is considered the Online Spare bank.
- B. The last bank populated is considered the Online Spare bank.
- C. If single-rank and dual-rank DDR-1 DIMMs are used, the banks must first be populated with dual-rank DIMMs.
- D. Memory banks must be populated sequentially, starting with bank A.

**Answer: B, D**

## Question: 71

A customer installs HP Network Configuration Utility on their ProLiant server and wants to see if the TOE and RSS features have been enabled for the NICs. Which file under c:\program files\hp\ncu does the customer need to check to ensure both features are enabled and working?

- A. ni\_toe.txt
- B. nc\_bindings.txt
- C. ni\_TCPIP\_REG.txt
- D. network\_survey.txt

**Answer: D**

## Question: 72

A server blade has a memory error. All the LEDs in all the banks are illuminated. What should you do first to address this issue?

- A. Simultaneously replace the memory in all the banks.
- B. Replace the system board that the memory is connected to.
- C. Replace the processor, which is causing a false memory error.
- D. Replace one memory bank at a time.

**Answer: D**

## Question: 73

A customer has an SB40c paired with a full height blade. The blade cannot access the SB40c storage. Which component in the blade may need to be replaced?

- A. QLogic or Emulex HBA mezzanine card
- B. InfiniBand mezzanine card
- C. P700 Smart Array mezzanine card
- D. PCI Express Mezzanine Pass-Thru

**Answer: D**

## Question: 74

What should be done after a repair has been validated?

- A. The IML log entry should be marked as repaired.
- B. The failed entry should be cleared from the IML.
- C. All IML entries should be cleared to make room for future entries.
- D. All outstanding IML entries should be marked repaired.

**Answer: B**

## Question: 75

When you try and boot a previously installed operating system, a BL495c G6 Server Blade freezes. What is the first step you should take when troubleshooting this problem?

- A. Load and try to boot the latest SmartStart CD.
- B. Use iLO to access the Integrated Management Log (IML) of the failing server blade.
- C. Load and try to run the HP Insight Diagnostics Online Edition.
- D. Use iLO to access the enclosure Onboard Administrator.

**Answer: B**

## Question: 76

A customer is experiencing intermittent storage connectivity issues in their BladeSystem environment. After collecting the log files from the external storage system and the interconnects, you determine the problem is in the Onboard Administrator configuration. Which step should you take next in the troubleshooting process?

- A. Implement preventive measures.
- B. Initiate the replacement procedure of the midplane.
- C. Plan the repair procedure.
- D. Verify if the solution is covered by a carepack.

**Answer: C**

## Question: 77

Which utility can you use to analyze application crash dumps on a Windows server?

- A. System Event Viewer
- B. Snort
- C. DrWatson
- D. Postfix

**Answer: A**



## Question: 78

During HP SIM automatic discovery, many unmanageable systems and systems that do not need to be managed are discovered. What should you do to prevent this from happening?

- A. Power down all unwanted systems prior to the discovery phase so they will not be detected and added to the database.
- B. After all the systems are discovered, go back and delete the unwanted systems from the database.
- C. Remove the agents from the unwanted systems so HP SIM will reject them during discovery.
- D. Apply a filter to discard any systems that are not required, based on the type of system.

**Answer: D**

## Question: 79

Which information can you find on Insight Display?

- A. server memory errors
- B. server mezzanine errors
- C. server hard drive errors
- D. server Smart Array

**Answer: B**

## Question: 80

When should you change a SATA RAID drive in a predictive failure state (blinking amber LED)?

- A. when the RAID set is rebuilt
- B. when the server is not busy
- C. when the server is powered off
- D. when the drive fails completely

**Answer: A**

## Question: 81

The Onboard Administrator in an HP BladeSystem enclosure detects an error condition and the enclosure UID is on. Which color does the Insight Display illuminate?

- A. amber
- B. flashing amber
- C. flashing blue
- D. blue

**Answer: D**

## Question: 82

A customer has a ProLiant BL680c G5 running a database application that crashes when one of the eight installed memory modules fails. The bad memory is replaced. How can the failure be prevented in the future?

- A. by changing the memory configuration to RAID 5 memory
- B. by installing Dual Ranked Memories for redundancy
- C. by adding eight more DIMMs and using memory mirroring
- D. by installing memory in all slots for a total of 256GB

**Answer: C**

## Question: 83

Which type of memory can the Advanced Memory Buffer (AMB) in the Insight Diagnostics Offline Edition test?

- A. Fully Buffered DIMMs
- B. Unbuffered DIMMs
- C. Registered DIMMs
- D. Low Power DIMMs

**Answer: A**

## Question: 84

Which serial communication parameters must be set on the terminal emulator to connect the Onboard Administrator?

- A. 9600 E, 8, 1
- B. 19200 E, 7, 1
- C. 19200 N, 7, 1
- D. 9600 N, 8, 1

**Answer: D**

## Question: 85

The administrator password for the Onboard Administrator (OA) module has been lost. How does the system administrator recover this password? (Select three.)

- A. select the factory reset option during reboot
- B. press and hold the OA reset button for 5 seconds
- C. connect the computer with terminal emulator to the serial port of the active OA
- D. remove the OA module, close the reset jumper for 5 seconds, reseal the module
- E. boot the system into Lost Password mode
- F. connect to the OA via SSH using the service IP address

**Answer: B, C, E**

## Question: 86

You are working with the c7000 enclosure at the customer site. You notice that Insight Display background is solid blue. What does this indicate?

- A. The power and cooling system is configured in a redundant mode.
- B. An administrator accessed the Onboard Administrator module.
- C. No error or alert condition exists.
- D. The enclosure UID is active

**Answer: D**

## Question: 87

Which action prevents changing settings in the c7000 Insight Display?

- A. setting a PIN
- B. enabling a Pass Phrase
- C. removing Insight Display from the c7000 enclosure
- D. turning On the Insight Display lock feature

**Answer: A**

## Question: 88

How can you generate a report that contains a detailed set of information about a specific enclosure including configuration and event logs?

- A. Use HP System Management Homepage of a blade in bay 1.
- B. Use Insight Display to save a configuration file to the USB key.
- C. Use HP SIM to save a configuration file.
- D. Use the show all command from the Onboard Administrator CLI.

**Answer: D**

## Question: 89

After a firmware upgrade is completed, you cannot access the Onboard Administrator (OA) web interface. What should you do first to address this issue?

- A. Set the IP address of OA module.
- B. Upload the configuration file.
- C. Set the maintenance switch to Off.
- D. Clear the web browser cache.

**Answer: D**

## Question: 90

Which command can be used to display the currently installed EFI on a BL870c Server Blade?

- A. romdrivers
- B. ver
- C. info
- D. bcfg

**Answer: C**

## Question: 91

DRAG DROP

Place each deployment method next to its description.

	Descriptions	
place here	Server boots to an environment where normal operations cannot occur until firmware updates complete.	—
place here	Installation tool runs on the physical hardware.	—
place here	Installation tool runs on one system but updates other physical targets.	—
place here	Installation runs while the host processor is running in the customer's normal environment.	—
Offline	Remote	Online
		Local

Answer:

	Descriptions
Offline	Server boots to an environment where normal operations cannot occur until firmware updates complete.
Local	Installation tool runs on the physical hardware.
Remote	Installation tool runs on one system but updates other physical targets.
Online	Installation runs while the host processor is running in the customer's normal environment.

## Question: 92

Which feature of the Ultrium 448 Tape Blade allows quick recovery of the operating system?

- A. ACU
- B. ORCA
- C. OBDR
- D. RBSU

**Answer: C**

## Question: 93

What should you do to determine the list of hotfixes installed on a Windows server?

- A. Run regedit and look under HKLM\Software\Microsoft\Windows\CurrentVersion\HotFix.
- B. Open the Windows Update applet in the control panel.
- C. Use the systeminfo command.
- D. Right-click on My Computer and select the Advanced tab.

**Answer: C**

## Question: 94

When using the HP BladeSystem Firmware Deployment Tool (FDT), what indicates that a firmware upgrade on a BL495c G6 Server Blade completed without error?

- A. Insight Display is blue.
- B. Insight Display is green.
- C. UID light is extinguished.
- D. UID light is flashing.

**Answer: C**

## Question: 95

You have a c7000 with an SB40 Storage Blade installed. It has both SAS and SATA drives. Which statement is true about this configuration?

- A. It is not supported. You cannot mix drive types in the same storage blade.
- B. It is supported if the drive types are configured in different logical partitions.
- C. It is supported. The ACU is able to configure all drives in the same logical partition.
- D. It is supported if the drives are the same size.

**Answer: B**

## Question: 96

Which firmware can be upgraded using HP SUM running on a Windows-based ProLiant?

- A. Intel NIC
- B. Emulex Fibre HBA
- C. HP SAS hard drive not connected to Smart Array Controller
- D. HP SATA hard drive not connected to Smart Array Controller

**Answer: B**

## Question: 97

Which HP solution can be used to integrate a "phone-home" solution for an HP BladeSystem customer?

- A. HP Warranty and Service Advisor
- B. HP Warranty and Service Automation
- C. HP Insight Remote Support Standard
- D. HP Insight Control for BladeSystems

**Answer: C**

## Question: 98

A system engineer is onsite and wants to help the customer select the appropriate services for his BladeSystem solution. Which HP resource should the system engineer use?

- A. HP BladeSystem Sizer
- B. HP Insight Remote Support
- C. HP Care Pack Selector Tool
- D. HP Service Calculator

**Answer: C**

## Question: 99

How many Flex-NICs can be configured on a BL685c G6, assuming no network mezzanine boards are installed?

- A. 2
- B. 4
- C. 8
- D. 16

**Answer: D**

## Question: 100

How does a c7000 enclosure retain air handling integrity when a fan is removed?

- A. The enclosure design uses blank panels to prevent air loss.
- B. A blanking panel causes the air flow to reverse, allowing warmer air to escape.
- C. The enclosure uses a self-closing door to prevent air loss.
- D. The fans increase in revolutions per minute to increase air volume.

**Answer: C**

## Question: 101

Which server blade series is optimized for HPC clusters?

- A. BL2xx Series
- B. BL4xx Series
- C. BL6xx Series
- D. BL8xx Series

**Answer: A**

## Question: 102

Your Virtual Connect firmware is older than 1.34. What is the recommended upgrade order for the components in a c7000 enclosure?

- A. Onboard Administrators, Blades, Virtual Connect
- B. Virtual Connect, Blades, Onboard Administrators
- C. Virtual Connect, Onboard Administrators, Blades
- D. Blades, Virtual Connect, Onboard Administrators

**Answer: A**

Explanation:

Reference:

<http://h20000.www2.hp.com/bc/docs/support/SupportManual/c02885443/c02885443.pdf>  
(page 5, see the bulleted points for the deployments where the operating system has been installed on the servers)



## Question: 103

Why is it considered a best practice to use tools such as HP Smart Update Manager (SUM) and Virtual Connect Support Utility (VCSU) to deploy firmware components?

- A. These tools check the dependencies and limitations.
- B. The tools are compatible with all versions of firmware.
- C. These are the only tools that can be used to work with Virtual Connect Enterprise Utility (VCEU).
- D. These tools are version compatible by design.

**Answer: A**

## Question: 104

What should a support engineer use to perform a firmware update to a c-Class PCI Expansion Blade?

- A. OA CLI
- B. HP SmartStart
- C. Firmware Maintenance DVD
- D. OA GUI

**Answer: A**

## Question: 105

Which Windows command allows you to see the operating system version and system name, manufacturer, and model?

- A. msconfig
- B. uname
- C. msinfo32
- D. winver

**Answer: A**

Explanation:

Reference:

<http://www.netsquirrel.com/msconfig/index.html>

## Question: 106

Which Windows commands allow you to get the operating system's version, build, and service patch level? (Select two.)

- A. winver
- B. msconfig
- C. patch
- D. msinfo32
- E. swlist
- F. uname

**Answer: B, D**

## Question: 107

Which command should you use to connect to the CLI interface of an HP ProCurve Blade Switch through the Onboard Administrator?

- A. connect interconnect <bay\_number>
- B. connect switch <bay\_number>
- C. connect <bay\_number>
- D. connect server <bay\_number>

**Answer: A**

Explanation:

Reference:

<http://h20000.www2.hp.com/bc/docs/support/SupportManual/c01868182/c01868182.pdf>  
(page 3, Accessing the blade switch from the HP bladesystem onboard administrator)

## Question: 108

A user added a second OA to a c7000 enclosure so the OAs are redundant, however, the modules are not at the same firmware level. What is an easy way to bring them to the same firmware version?

- A. Use HP SUM to update each OA individually.
- B. Request that the Admin have SIM push the updates to the each OA.
- C. Use HP SUM Offline to update the standby OA, restart it, and repeat the procedure on the remaining OA.
- D. Select the Synchronize Firmware button in either OA.

**Answer: D**

Explanation:

Reference:

<http://www.scribd.com/doc/48647073/3/Overview>  
(page 114, second paragraph on the page)

## Question: 109

Which tool can be used to upgrade the firmware of Virtual Connect Ethernet module? (Select two.)

- A. HP SUM
- B. OA
- C. VCSU
- D. VCEM
- E. HP SIM

**Answer: C, E**

Explanation:

Reference:

<http://h20000.www2.hp.com/bizsupport/TechSupport/Document.jsp?objectID=c01611221>HYPERLINK

"<http://h20000.www2.hp.com/bizsupport/TechSupport/Document.jsp?objectID=c01611221&lang=en&cc=us&taskId=110&prodSeriesId=3201263&>"&HYPERLINK

"<http://h20000.www2.hp.com/bizsupport/TechSupport/Document.jsp?objectID=c01611221&lang=en&cc=us&taskId=110&prodSeriesId=3201263&>"lang=enHYPERLINK

"<http://h20000.www2.hp.com/bizsupport/TechSupport/Document.jsp?objectID=c01611221&lang=en&cc=us&taskId=110&prodSeriesId=3201263&>"&HYPERLINK

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"<http://h20000.www2.hp.com/bizsupport/TechSupport/Document.jsp?objectID=c01611221&lang=en&cc=us&taskId=110&prodSeriesId=3201263&>"&HYPERLINK

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"<http://h20000.www2.hp.com/bizsupport/TechSupport/Document.jsp?objectID=c01611221&lang=en&cc=us&taskId=110&prodSeriesId=3201263&>"&HYPERLINK

"<http://h20000.www2.hp.com/bizsupport/TechSupport/Document.jsp?objectID=c01611221&lang=en&cc=us&taskId=110&prodSeriesId=3201263&>"prodSeriesId=3201263HYPERLINK

"<http://h20000.www2.hp.com/bizsupport/TechSupport/Document.jsp?objectID=c01611221&lang=en&cc=us&taskId=110&prodSeriesId=3201263&>"&HYPERLINK

"<http://h20000.www2.hp.com/bizsupport/TechSupport/Document.jsp?objectID=c01611221&lang=en&cc=us&taskId=110&prodSeriesId=3201263&>"prodTypeId=329290 (see VCSU)

## Question: 110

Which tool can be used to verify that SNMP events appear in HP SIM from a blade server running Windows 2008?

- A. Onboard Administrator
- B. System Management Homepage
- C. HP SNMP Agent
- D. Integrated Lights-Out

**Answer: C**

## Question: 111

How should you save a Virtual Connect configuration?

- A. from CLI: show all > cfg.txt
- B. enclosure setting, configuration scripts, inventory
- C. enclosure setting, configuration scripts, show config, save
- D. domain setting, backup/restore

**Answer: D**

## Question: 112

Which iLO3 MP logs should be looked at to check the hardware status of an HP Integrity BL870c i2 Server Blade? (Select two.)

- A. Syslog log
- B. System Event log
- C. Forward Progress log
- D. Machine Check log
- E. Resource Monitor log

**Answer: B, D**

## Question: 113

Which feature should you enable in RBSU in a G7 server to reduce processor power usage and improve overall performance in some applications?

- A. Intel Hyperthreading Options
- B. HP Dynamic Power Savings Mode
- C. Processor Core Disable
- D. HP Static Low Power Mode
- E. OS Control Mode

**Answer: C**

Explanation:

Reference:

<http://www.scribd.com/doc/46311510/10/Processor-Options-G7-servers>  
(p. 23, processor Core Disable)

## Question: 114

What is used to update firmware on several HP VC Ethernet or Fibre Channel modules simultaneously?

- A. VCM
- B. HP FDT
- C. VCSU
- D. OA

**Answer: C**

Explanation:

Reference:

[http://h18004.www1.hp.com/products/quickspecs/13652\\_div/13652\\_div.PDF](http://h18004.www1.hp.com/products/quickspecs/13652_div/13652_div.PDF)  
(Page 3, overview, second bulleted point)

## Question: 115

What is a DDR3 Memory population rule to follow for Gen8 servers?

- A. If only one processor is installed in a two processor system, only half of the DIMM slots are available.
- B. DIMMs of different voltages cannot be mixed in the same bank.
- C. DIMMs of different speed grades can be mixed.
- D. UDIMMs, RDIMMs, or LRDIMMs can be mixed.

**Answer: A**

Explanation:

Reference:

<http://h20000.www2.hp.com/bc/docs/support/SupportManual/c03293145/c03293145.pdf>  
(Page 10, second bulleted point on the page)

## Question: 116

What is the advantage of Solid State Drive over I/O Accelerator?

- A. It offers higher reliability.
- B. It is bootable.
- C. It has a longer life span.
- D. It has higher throughput.

**Answer: A**

## Question: 117

Which memory configuration types are supported in the Gen8 ProLiant Blade servers? (Select two.)

- A. DDR2
- B. SODIMM
- C. SDIMM
- D. RDIMM
- E. UDIMM

**Answer: D, E**

## Question: 118

Your customer has a business critical HP BladeSystem enclosure and wants to protect it with additional service coverage. The company's requirements are 24x7 and functionality must be restored within a defined time. Which HP Service offering is needed to fulfill the customer's requirements?

- A. HP Critical Advantage L3
- B. HP Proactive Select 30 Credit
- C. HP 6 hour Hardware Support Onsite Call-to-Repair Service
- D. HP 24x7 hour Response, Hardware Support Onsite Service

**Answer: A**

## Question: 119

Which benefit is provided by having identical Interconnect modules in adjacent bays of the c7000 enclosure?

- A. reduced power requirements
- B. dynamic IO bandwidth
- C. improved uplink failure detection
- D. redundant IO capabilities

**Answer: D**

Explanation:

Reference:

<http://h20000.www2.hp.com/bc/docs/support/SupportManual/c00816246/c00816246.pdf> (page 15, third paragraph on the page)

## Question: 120

HP standard warranties support the HP hardware. What are HP Care Packs designed to support?

- A. Software
- B. Network
- C. Storage
- D. Business

**Answer: A**

Explanation:

Reference:

<http://h40059.www4.hp.com/warranty/carepaqsum.php>

## Question: 121

Which tool can be used to deploy firmware and software updates to a ProLiant blade?

- A. HP Smart Update Manager
- B. HP System Management Homepage
- C. Service Pack for ProLiant
- D. Insight Diagnostics

**Answer: A**

Explanation:

Reference:

<http://h20000.www2.hp.com/bc/docs/support/SupportManual/c01857420/c01857420.pdf> (page 4, HP Smart Start Manager)

## Question: 122

A customer is experiencing a pre-failure alarm of the UPS Battery on a UPS that is almost one year old. Which statement is correct?

- A. The battery replacement is included in the warranty.
- B. The customer must contact the manufacturer of the battery for replacement.
- C. The battery can be replaced only if the appropriate Care Pack for the UPS has been purchased.
- D. The battery is considered a consumable item and excluded from the warranty or Care Pack. A new battery must be purchased.

**Answer: D**

## Question: 123

Which Virtual Connect module enables FCoE or iSCSI connectivity for the c-class server blades?

- A. VC1/10Gb-F
- B. VC-FC 8/24
- C. VC Flex-10
- D. VC FlexFabric

**Answer: C**

Explanation:

Reference:

<http://h18004.www1.hp.com/products/blades/components/ethernet/10gb24/questionsanswers.html#a4>

## Question: 124

Which HP ProLiant software tool should you use to deploy an OS to a BL460c Gen8 server?

- A. Array Configuration Utility
- B. Intelligent Provisioning
- C. Systems Management Homepage
- D. SmartStart

**Answer: B**



Explanation:

Reference:

<http://hpproliant.blogspot.com/2012/06/install-windows-sbs-2011-in-hp-gen8.html>

## Question: 125

Which external storage type allows a customer to share common LUNs between servers and booting operating systems?

- A. NAS
- B. SAN
- C. MDS
- D. DAS

**Answer: B**

## Question: 126

What is the effect of a lost or misplaced Trusted Platform Module (TPM) key?

- A. The system requests the Administrator password.
- B. The system enters diagnostic mode.
- C. The system will not boot.
- D. Data loss may occur.

**Answer: B**

## Question: 127

Which capability does the Unified Extensible Firmware Interface (UEFI) provide in ProLiant Blade servers?

- A. advanced diagnostics for fault isolation
- B. PXE boot device selection
- C. shortcut keys under OS control
- D. function key selection during startup

**Answer: B**

## Question: 128

Which mezzanine card allows Fibre Channel and Ethernet connectivity through the same interconnect module?

- A. Brocade 804 8Gb FC HBA for HP BladeSystem c-Class
- B. HP NC382m Dual Port 1GbE Multifunction BL-c Adapter
- C. HP NC552m 10Gb 2-port Flex-10 Ethernet Adapter
- D. HP NC553m 10Gb 2-port FlexFabric Adapter

**Answer: B**

## Question: 129

What happens when you mix low-reduced DIMMs (LRDIMM) and unbuffered DIMMs (UDIMM)?

- A. The blade server will not boot up.
- B. The blade server boots up in a loop mode.
- C. The blade server boots up normally if you do not mix the DIMMS in the same bank.
- D. The blade server boots up normally.

**Answer: C**

## Question: 130

HP Power Protector is used for which purpose?

- A. preventing the overload of a power supply unit in a c7000 enclosure
- B. making a backup of the system disk
- C. power capping of a c7000 enclosure
- D. monitoring and managing the R7000 UPS

**Answer: D**

Explanation:

Reference:

[http://h18004.www1.hp.com/products/quickspecs/14070\\_div/14070\\_div.pdf](http://h18004.www1.hp.com/products/quickspecs/14070_div/14070_div.pdf)

## Question: 131

Where does Active Health collect the data from?

- A. Event Log
- B. SMH
- C. IML
- D. iLO

**Answer: D**

Explanation:

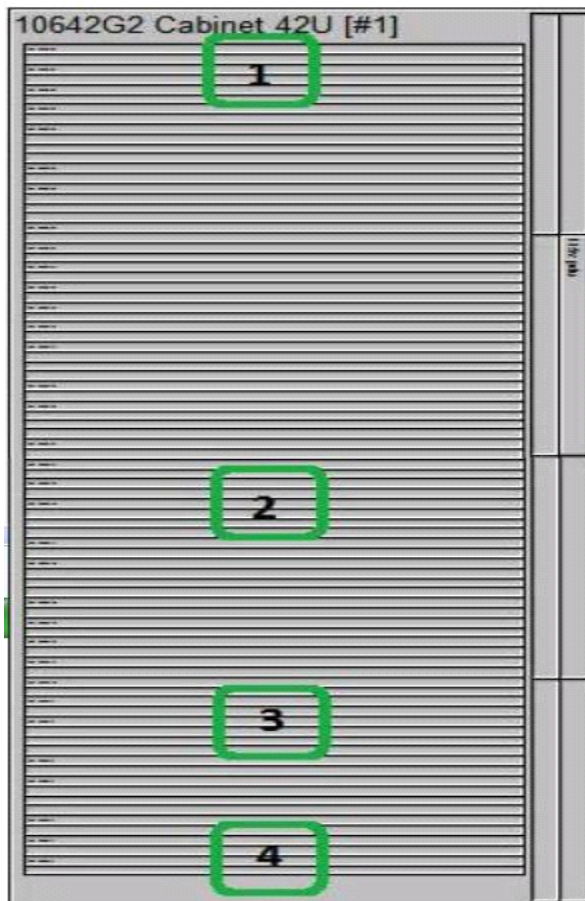
Reference:

<http://h20000.www2.hp.com/bc/docs/support/SupportManual/c03207602/c03207602.pdf> (page 2, read the introduction especially the bulleted points)

## Question: 132

HOTSPOT

Match the appropriate HP best practices rack location with each listed component to configure the rack shown.



# Test4Prep

Location 1

network switch  
c7000 enclosure  
UPS 8000 /3  
rack stabilization kit

Location 2

network switch  
c7000 enclosure  
UPS 8000 /3  
rack stabilization kit

Location 3

network switch  
c7000 enclosure  
UPS 8000 /3  
rack stabilization kit

Location 4

network switch  
c7000 enclosure  
UPS 8000 /3  
rack stabilization kit

**Answer:**

Location 1 – C7000 enclosure  
Location 2 – rack stabilization kit  
Location 3 – network switch  
Location 4 – UPS 8000 /3

## Question: 133

You have a c7000 enclosure with 1 GB Pass-Thru modules. You cannot get to the network from any of the blades. What should you verify first for proper connectivity to the network?

- A. external switch set to half duplex
- B. interconnect link between the Pass-Thru modules
- C. external switch supports Gigabit speed
- D. correct SFPs are installed

**Answer: B**

## Question: 134

Which statement describes the features of Service Pack for ProLiant (SPP)?

- A. SPP is a combination of the PSPs and the HP SmartUpdate Firmware DVD.
- B. SPP is supported only on Windows Servers.
- C. SPP requires configuration through RBSU.
- D. SPP is the replacement for the Service and Diagnostics tools.

**Answer: A**

## Question: 135

After replacing the SmartArray controller cache battery module, you need to verify that it is charging. How can this be accomplished?

- A. Use F10 and go into RBSU.
- B. Observe the controller initialization process.
- C. Use the c7000 enclosure Onboard Administrator.
- D. Use the Service Pack for ProLiant to verify the information.

**Answer: B**

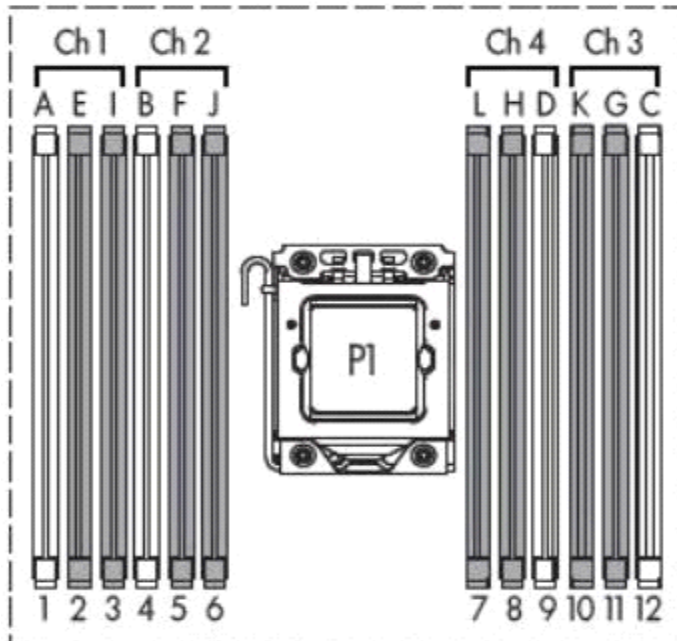
Explanation:

Reference:

<http://h20000.www2.hp.com/bc/docs/support/SupportManual/c00607272/c00607272.pdf>  
(second last page, see the note at the bottom)

## Question: 136

When installing DDR3 memory DIMMs for Gen8 servers shown, which order of slots should be followed?



- A. No specific slot order is required.
- B. slots A, B, C, D
- C. slots I, J, K, L
- D. slots A, B, L, K

**Answer: B**

Explanation:

Reference:

<http://h20000.www2.hp.com/bc/docs/support/SupportManual/c03293145/c03293145.pdf> (page 11 and 12)

## Question: 137

A customer replaced the memory DIMM several times in the same slot on a BL460c G7 Server. What are the next troubleshooting steps? (Select two.)

- A. Run the Insight Diagnostics Online Edition.
- B. Swap the DIMM with a known good DIMM from a different slot.
- C. Swap the first and second processor, if available.
- D. Run the Insight Diagnostic survey to verify hardware changes.
- E. Run the Insight Diagnostics Offline Edition.

**Answer: D, E**

## Question: 138

You are doing troubleshooting and need to access a single server blade console. Which configuration option is the best to use?

- A. Connect an SUV to the KVM module.
- B. Enable the iLO Advanced license in RBSU.
- C. Enable graphics mezzanine support.
- D. Connect an SUV cable to the blade.

**Answer: D**

## Question: 139

After replacement of a BL460c G7 system board, the server is unable to connect to an external shared storage through the SAS interface. Other similar servers in the same enclosure are in working condition. What should you check to verify that the physical hardware connectivity is connected?

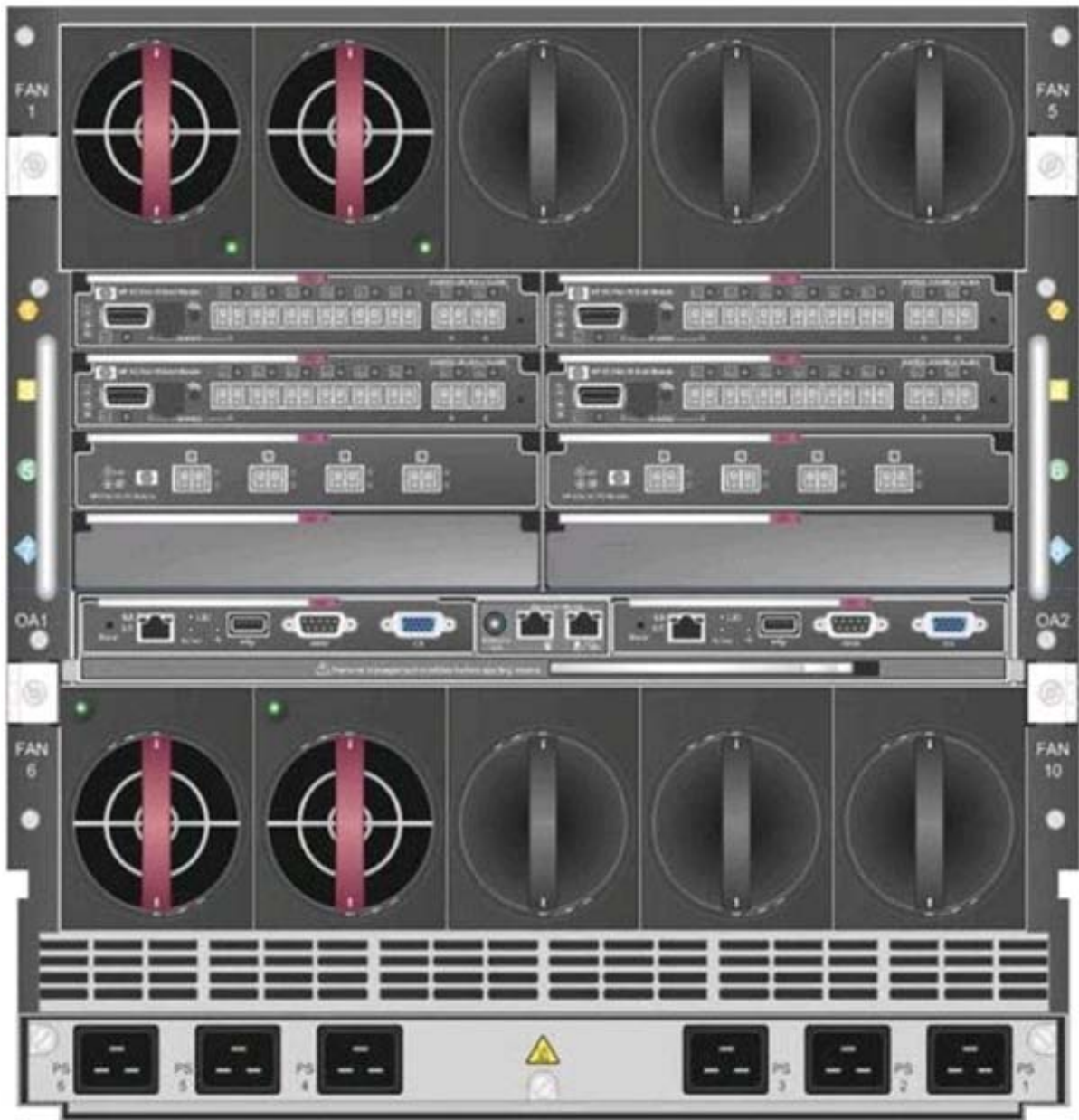
- A. blade server port mapping for the IO module connectivity to the interconnect module
- B. ACU of the server blade for storage status
- C. external storage power status
- D. blade server iLO for hardware information detected by the management processor

**Answer: A**

## Question: 140

How many half-height blades can you install in the enclosure shown?

# Test4Prep



- A. 2
- B. 4
- C. 6
- D. 8

Answer: A



## Question: 141

You installed an FC HBA in mezzanine slot 2 of a BL460c G6 in a c7000 enclosure. In which interconnect bays should the FC interconnect be installed?

- A. 1 and 2
- B. 3 and 4
- C. 5 and 6
- D. 7 and 8

**Answer: B**

## Question: 142

Where can you verify the status of an external DVD-ROM drive in a c7000 enclosure?

- A. Active Health Log
- B. Virtual SAS Manager
- C. Integrated Management Log
- D. Insight Display

**Answer: D**

## Question: 143

You are installing a new HP BladeSystem c7000 enclosure. The customer wants to configure the iLO and interconnect IPs so that they are automatically maintained during a hardware swap. How should you configure the enclosure?

- A. Use the Insight Display fixed IP feature.
- B. Use Enclosure-Based IP Addressing.
- C. Use Insight Control Server Deployment to configure the enclosure.
- D. Configure the IP on each device and enable enclosure IP mode.

**Answer: B**

Explanation:

Reference:

<http://h20000.www2.hp.com/bc/docs/support/SupportManual/c00699719/c00699719.pdf> (page 6, Planning device and interconnect mappings, first bulleted point)

## Question: 144

A customer is installing a new drive in a BL460c Gen8. None of the LEDs on the drive are lit. What is a possible cause?

- A. The customer used a third party drive.
- B. Dynamic Power Saving disables LEDs.
- C. The backplane port is disabled in system ROM.
- D. There is no activity on the drive.

**Answer: D**

## Question: 145

What should you use to check the overall health status of all the BL460c Gen8 servers you recently installed in a c7000 enclosure?

- A. Power Manager
- B. Array Configuration Utility
- C. Onboard Administrator
- D. Insight Control Server Deployment

**Answer: D**

## Question: 146

Which tool can you use to determine the overall health status when standing in front of a c7000 enclosure?

- A. Onboard Administrator
- B. Integrated Lights-Out
- C. Insight Display
- D. System Management Homepage

**Answer: A**

Explanation:

Reference:

<http://h20000.www2.hp.com/bc/docs/support/SupportManual/c01215727/c01215727.pdf>  
(page 5, last paragraph)

## Question: 147

Which statements are true about Agentless Management? (Select two.)

- A. Agentless Management Service is installed as a daemon in HP-UX.
- B. Agentless Management is installed using Ignite UX.
- C. Agentless Management is only supported on Integrity Blades.
- D. The Agentless Management Service provides OS information to ilo
- E. Agentless Management is only supported on Gen8 servers.

**Answer: D, E**

Explanation:

Reference:

<http://h20000.www2.hp.com/bc/docs/support/SupportManual/c03306157/c03306157.pdf>  
(page 2, overview of HP agentless management, firsts paragraph)

## Question: 148

You installed two hard drives in a BL460c Gen8 server. Both the hard drive status LEDs are off. What is a possible cause?

- A. Smart Array Advanced Pack (SAAP) single server license was not installed.
- B. The hard drives failed.
- C. There is no hard drive activity.
- D. The hard drives are not configured by a RAID controller.

**Answer: C**

## Question: 149

When doing a firmware upgrade, what enables you to apply firmware updates with minimal research or interaction? (Select two.)

- A. Single Point of Connectivity Knowledge (SPOCK)
- B. BladeSystem Compatibility Chart
- C. Service Pack for ProLiant (SPP)
- D. SmartStart DVD
- E. HP firmware management tool

**Answer: B, E**

Explanation:

Reference:

<http://h20000.www2.hp.com/bc/docs/support/SupportManual/c02225412/c02225412.pdf>  
(page 8, first paragraph)

## Question: 150

After a BL460c G7 system board replacement due to a mismatched processor support error, the engineer performs a firmware verification and update process. As a preventive measure, which firmware must be checked and updated, if required?

- A. the primary firmware on the system board
- B. both the primary and backup system firmware on the system board
- C. only the iLO firmware to the current release, if required
- D. only the baseboard management controller firmware, if required

**Answer: D**

## Question: 151

Which command allows you to break out to a Linux console session while booted to the HP Smart Update Firmware DVD to access debug trace logs to diagnose an update failure?

- A. Ctrl Alt Fn
- B. Ctrl Alt f b x
- C. Ctrl Alt d b x
- D. Ctrl Alt -

**Answer: C**

Explanation:

Reference:

<http://h10032.www1.hp.com/ctg/Manual/c03360603.pdf>  
(page 28, see the second note on the page)

## Question: 152

Which command backs up EFI NVRAM variables for an (2 Blade)?

- A. dmpstore
- B. bcfg
- C. nvrmbkp
- D. nvrmsave

**Answer: C**

Explanation:

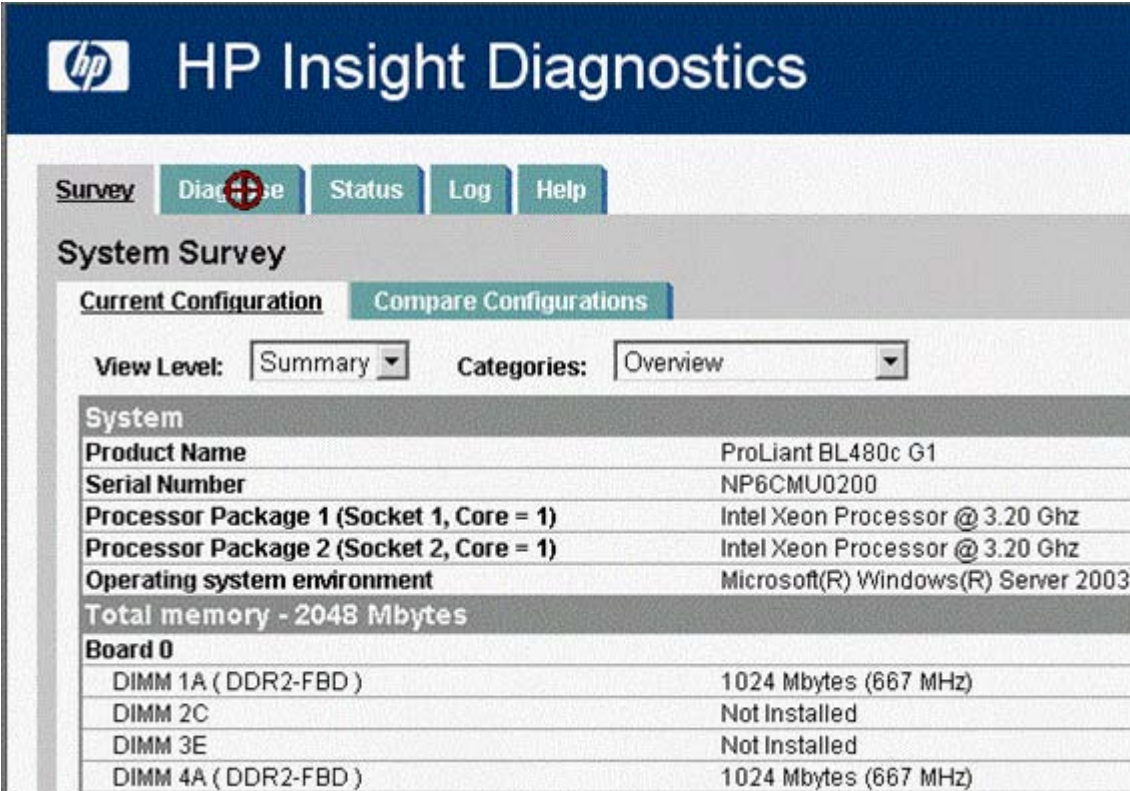
Reference:

<http://bizsupport.austin.hp.com/bc/docs/support/SupportManual/c01327127/c01327127.pdf>  
(page 145)

## Question: 153

HOTSPOT

Click the area of the graphic where you view diagnostic test error information.



The screenshot shows the HP Insight Diagnostics interface. At the top, there is a navigation bar with buttons for Survey, Diagnose (with a red cross icon), Status, Log, and Help. Below this is the 'System Survey' section, which includes tabs for 'Current Configuration' and 'Compare Configurations'. There are dropdown menus for 'View Level' (set to Summary) and 'Categories' (set to Overview). The main content area displays system information in a table format, organized into sections: System, Board 0, and DIMM slots.

System	
Product Name	ProLiant BL480c G1
Serial Number	NP6CMU0200
Processor Package 1 (Socket 1, Core = 1)	Intel Xeon Processor @ 3.20 Ghz
Processor Package 2 (Socket 2, Core = 1)	Intel Xeon Processor @ 3.20 Ghz
Operating system environment	Microsoft(R) Windows(R) Server 2003,
Total memory - 2048 Mbytes	
Board 0	
DIMM 1A ( DDR2-FBD )	1024 Mbytes (667 MHz)
DIMM 2C	Not Installed
DIMM 3E	Not Installed
DIMM 4A ( DDR2-FBD )	1024 Mbytes (667 MHz)

Answer:

The screenshot shows the HP Insight Diagnostics interface. At the top, there is a navigation bar with 'Survey', 'Diagnose', 'Status', 'Log', and 'Help' buttons. Below this is the 'System Survey' section, which includes tabs for 'Current Configuration' and 'Compare Configurations'. The 'View Level' is set to 'Summary' and 'Categories' is set to 'Overview'. The main content area displays system information in a table format:

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Operating system environment	Microsoft(R) Windows(R) Server 2003,
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DIMM 2C	Not Installed
DIMM 3E	Not Installed
DIMM 4A (DDR2-FBD)	1024 Mbytes (667 MHz)

## Question: 154

When using the Configure or Repair Agent capability of HP SIM 7.0, which software component is unsupported for G7 servers and earlier?

- A. WBEMMMI Provider
- B. Agent Management Service
- C. OpenSSH for Windows
- D. SNMP Agent

**Answer: B**

## Question: 155

After replacing a system board on a ProLiant BL460c G7, which steps are required to ensure that the license status remains intact in an HP Matrix Operating Environment? (Select two.)

- A. Use HP Systems Insight Manager License Manager to re-apply the license.
- B. Set the Unique Unit Identifier in the system ROM.
- C. Run Identification from Systems Insight Manager.
- D. Set the Product Number in the system ROM.
- E. Run Managed System Setup Wizard from Systems Insight Manager. Set the Serial Number in the system ROM.

**Answer: A, E**

## Question: 156

As an administrator, you are required to update the firmware for BladeSystem products. You have determined that the VC firmware is later than 1.34 and that the servers within the blade chassis already have an OS loaded on them. What is the recommended order to update the BladeSystem products?

- A. OA, server blades (online/offline), then VC
- B. server blades (online/offline). VC then OA
- C. VC, OA, then server blades (online/offline)
- D. You cannot do this; the VC firmware needs to be installed first.

**Answer: A**

Explanation:

Reference:

<http://h20000.www2.hp.com/bc/docs/support/SupportManual/c01857420/c01857420.pdf>  
(page 21, If an operating system has already been installed)

## Question: 157


A customer wants to verify that all the memory DIMMs in an HP Gen 8 server are genuine HP What will provide this information?

- A. Windows Event Viewer
- B. ROM based setup utility (RBSU)
- C. SmartMemory
- D. iLO Event Log

**Answer: C**

Explanation:

Reference:

<http://h18004.www1.hp.com/products/servers/options/memory-description.html>  
(What's new  HP Smart Memory; first paragraph)

## Question: 158

Which step must be done after the system board is replaced on a BL460C G6?

- A. Re-enter the serial number.
- B. Clear NVRAM.
- C. Enable ASR.
- D. Reconfigure array.

**Answer: A**

# Test4Prep

Explanation:

Reference:

<http://webcache.googleusercontent.com/search?q=cache:R4XUUoht8rwJ:bizsupport1.austin.hp.com/bizsupport/TechSupport/Document.jsp%3FobjectId%3Dc01209399%26lang%3Den%26cc%3Dus%26taskId%3D101%26prodSeriesId%3D3884098%26printver%3Dtrue+HYPERLINK>

"<http://webcache.googleusercontent.com/search?q=cache:R4XUUoht8rwJ:bizsupport1.austin.hp.com/bizsupport/TechSupport/Document.jsp>"&HYPERLINK

"<http://webcache.googleusercontent.com/search?q=cache:R4XUUoht8rwJ:bizsupport1.austin.hp.com/bizsupport/TechSupport/Document.jsp>"cd=4HYPERLINK

"<http://webcache.googleusercontent.com/search?q=cache:R4XUUoht8rwJ:bizsupport1.austin.hp.com/bizsupport/TechSupport/Document.jsp>"&HYPERLINK

"<http://webcache.googleusercontent.com/search?q=cache:R4XUUoht8rwJ:bizsupport1.austin.hp.com/bizsupport/TechSupport/Document.jsp>"hl=enHYPERLINK

"<http://webcache.googleusercontent.com/search?q=cache:R4XUUoht8rwJ:bizsupport1.austin.hp.com/bizsupport/TechSupport/Document.jsp>"&HYPERLINK

"<http://webcache.googleusercontent.com/search?q=cache:R4XUUoht8rwJ:bizsupport1.austin.hp.com/bizsupport/TechSupport/Document.jsp>"ct=clnk (see bulleted point #10)

## Question: 159

A server has been shutting down sporadically for the past two months. VCRM is not installed and configured. Where can you locate the latest versions of firmware that are available for this server?

- A. PSP DVD
- B. SmartStart
- C. HP website
- D. server image file from two months ago

**Answer: B**

## Question: 160

You want to add memory to an existing BL890c i2 server. The new DIMMs have a different size than the installed ones. Which memory upgrade guideline is correct?

- A. Distribute old and new memory evenly on all blade modules, installing the larger ones first.
- B. Blade modules 1 and 2 must have one DIMM size, and blade modules 3 and 4 must have the other DIMM size.
- C. Blade modules 1 and 3 must have one DIMM size, and blade modules 2 and 4 must have the other DIMM size.
- D. Distribute old and new memory evenly on all blade modules, installing the smaller ones first.

**Answer: B**



Explanation:

Reference:

<http://webshop.koneo.se/pdf/98EEF8CE-A65F-461E-BD0B-6771CFE64052.pdf>  
(page 26, last sub-bulleted point)

## Question: 161

When connected to the c7000 or c3000 enclosure service port how does a Windows-based laptop configured for DHCP acquire its IP address?

- A. The laptop will receive an address in the 192.168.x.x address range from the DHCP server within the enclosure.
- B. The laptop will receive an address in the 169.254.x.x address range from the DHCP server within the enclosure.
- C. The laptop will timeout waiting for a DHCP server to respond and will assign itself an address in the 169.254.x.x address range.
- D. The laptop will timeout waiting for a DHCP server to respond and must have an address manually assigned in the same subnet as the enclosure.

**Answer: A**

## Question: 162

Which interfaces can you use to access the Integrated Management Log (IML) on an HP server blade? (Select two)

- A. iLO web interface
- B. HP System Management Homepage
- C. Onboard Administrator Interface
- D. Insight Display
- E. Virtual Connect Interface

**Answer: B**

## Question: 163

An HP ProCurve 6120G/XG Ethernet Blade Switch has a blinking amber LED for 10/100/1000 port 1. What does this indicate?

- A. network link fault
- B. link activity at 1 Gb/s
- C. prefailure warning
- D. switch failure

**Answer: B**

## Question: 164

Which new technologies are introduced in the new G7 Series c-Class server blades? (Select two)

- A. Fully Buffered DIMMs
- B. Flex-10 Ethernet support
- C. 10Gb Ethernet on-board
- D. FlexFabric support
- E. Internal MicroSD card slot

**Answer: C, D**

## Question: 165

How often does the Hardware Status Polling task within HP SIM check communications status with all discovered devices?

- A. Servers and non-servers are checked every five minutes
- B. Servers and non-servers are checked every ten minutes
- C. Servers are checked every five minutes; non-servers are checked every ten minutes
- D. Servers are checked every ten minutes; non-servers are checked every five minutes

**Answer: B**

## Question: 166

A BL490c G6 with a quad-port NIC is installed in mezzanine slot 1 of a c3000 enclosure. How many ports on the quad-port NIC are available for connectivity?

- A. 0
- B. 2
- C. 4
- D. 6

**Answer: C**

## Question: 167

How many BL2x220c G6 server nodes can you fit in a c7000 enclosure?

- A. 8
- B. 16
- C. 24
- D. 32

**Answer: D**

## Question: 168

Which utility should you use to gather detailed information about SNMP traffic on a Windows server?

- A. Microsoft Performance Monitor
- B. Microsoft Network Monitor
- C. Microsoft SNMP Monitor
- D. Microsoft System Event Viewer

**Answer: B**

## Question: 169

When pairing an SB40c Storage Blade with an BL680c G6, in which mezzanine card slot will the Mezzanine Pass-Thru card be installed?

- A. 1
- B. 2
- C. 3
- D. 4

**Answer: C**

## Question: 170

Which tool can be used to update system board firmware on a server blade?

- A. RBSU
- B. iLO
- C. ORCA
- D. HP SUM

**Answer: B**

## Question: 171

How do you access the EBSU?

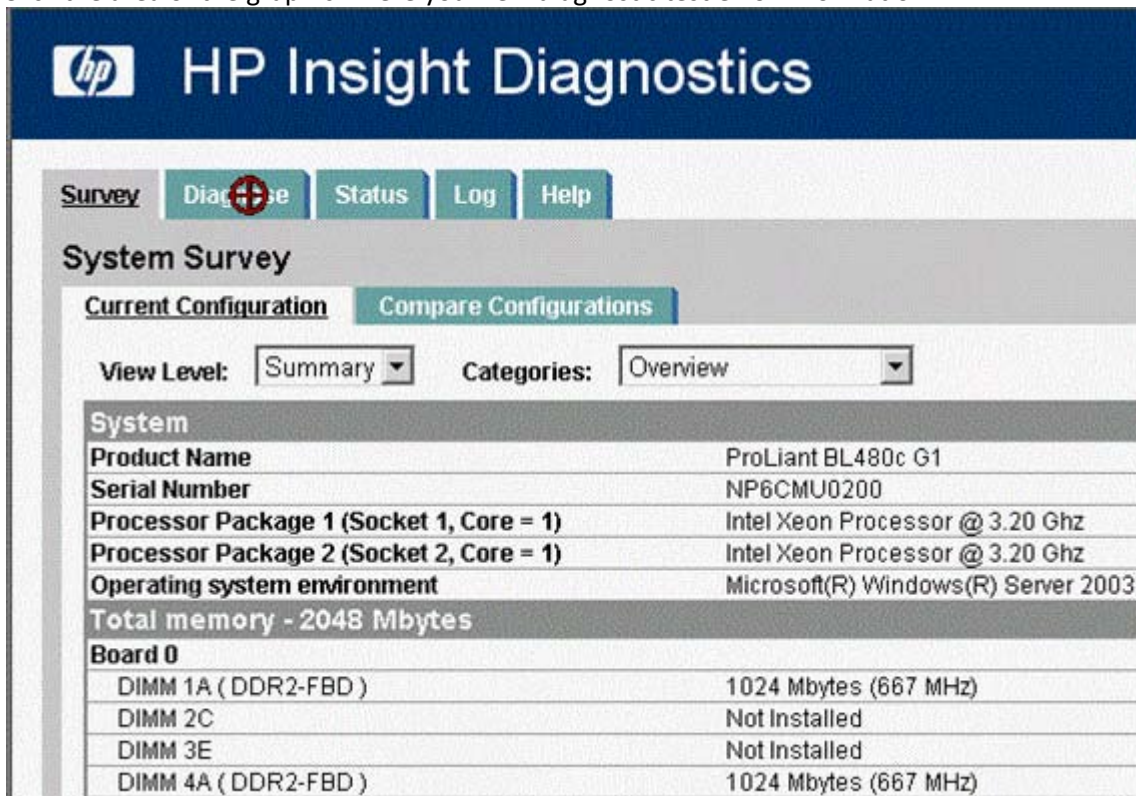
- A. Press F9 during POST.
- B. Press F11 during POST.
- C. Boot from Smart Setup Media.
- D. Boot from Smart Start Media.

**Answer: C**

## Question: 172

HOTSPOT

Click the area of the graphic where you view diagnostic test error information.



The screenshot displays the HP Insight Diagnostics web interface. At the top, there is a navigation bar with tabs for 'Survey', 'Diagnose', 'Status', 'Log', and 'Help'. Below this, the 'System Survey' section is active, showing 'Current Configuration' and 'Compare Configurations' options. The 'View Level' is set to 'Summary' and 'Categories' is set to 'Overview'. The main content area displays system information in a table format:

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Operating system environment	Microsoft(R) Windows(R) Server 2003,
Total memory - 2048 Mbytes	
Board 0	
DIMM 1A ( DDR2-FBD )	1024 Mbytes (667 MHz)
DIMM 2C	Not Installed
DIMM 3E	Not Installed
DIMM 4A ( DDR2-FBD )	1024 Mbytes (667 MHz)

Answer:

The screenshot shows the HP Insight Diagnostics interface. At the top, there's a navigation bar with 'Survey', 'Diagnose', 'Status', 'Log', and 'Help'. Below that, the 'System Survey' section is active, with 'Current Configuration' selected. The 'View Level' is set to 'Summary' and 'Categories' is set to 'Overview'. The main content area displays system information in a table format:

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DIMM 3E	Not Installed
DIMM 4A ( DDR2-FBD )	1024 Mbytes (667 MHz)

## Question: 173

Which benefits does the new DDR-3 memory technology offer? (Select three.)

- A. ability to intermix registered and unregistered DIMMs
- B. bandwidth increased to 1333MHz
- C. address parity detection
- D. bandwidth increased to 667 MHz
- E. smaller footprint for increased density
- F. larger footprint for increased storage

**Answer: A, C, E**

Explanation:

Reference:

[http://www.google.com.pk/url?sa=t&rct=j&q=ddr 3 smaller address parity detection&source=web&cd=1&ved=0CBsQFjAA&url=http://%2"&HYPERLINK](http://www.google.com.pk/url?sa=t&rct=j&q=ddr 3 smaller address parity detection&source=web&cd=1&ved=0CBsQFjAA&url=http://%2)  
[http://www.google.com.pk/url?sa=t&rct=j&q=ddr 3 smaller address parity detection&source=web&cd=1&ved=0CBsQFjAA&url=http://%2"&HYPERLINK](http://www.google.com.pk/url?sa=t&rct=j&q=ddr 3 smaller address parity detection&source=web&cd=1&ved=0CBsQFjAA&url=http://%2)  
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# Test4Prep

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detection&source=web&cd=1&ved=OCBsQFjAA&url=http://%2"cad=rja

## Question: 174

Which tool is used to enable Memory Lock-Step mode on a BL460c G6?

- A. Insight Agent CLI
- B. ProLiant SmartStart CD
- C. HP System Management Homepage
- D. ROM-Based Setup Utility

**Answer: C**

Explanation:

Reference:

<http://h20000.www2.hp.com/bizsupport/TechSupport/Document.jsp?lang=en>HYPERLINK

"<http://h20000.www2.hp.com/bizsupport/TechSupport/Document.jsp?lang=en&cc=us&taskId=120&prodSeriesId=3884098&prodTypeId=15351&ob>"&HYPERLINK

# Test4Prep

"http://h20000.www2.hp.com/bizsupport/TechSupport/Document.jsp?lang=en&cc=us&taskId=120&prodSeriesId=3884098&prodTypeId=15351&ob"cc=usHYPERLINK  
"http://h20000.www2.hp.com/bizsupport/TechSupport/Document.jsp?lang=en&cc=us&taskId=120&prodSeriesId=3884098&prodTypeId=15351&ob"&HYPERLINK  
"http://h20000.www2.hp.com/bizsupport/TechSupport/Document.jsp?lang=en&cc=us&taskId=120&prodSeriesId=3884098&prodTypeId=15351&ob"taskId=120HYPERLINK  
"http://h20000.www2.hp.com/bizsupport/TechSupport/Document.jsp?lang=en&cc=us&taskId=120&prodSeriesId=3884098&prodTypeId=15351&ob"&HYPERLINK  
"http://h20000.www2.hp.com/bizsupport/TechSupport/Document.jsp?lang=en&cc=us&taskId=120&prodSeriesId=3884098&prodTypeId=15351&ob"prodSeriesId=3884098HYPERLINK  
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"http://h20000.www2.hp.com/bizsupport/TechSupport/Document.jsp?lang=en&cc=us&taskId=120&prodSeriesId=3884098&prodTypeId=15351&ob"objectID=c01744813

## Question: 175

What is available as part of Advanced Infrastructure management on HP BladeSystems?

- A. automatic installation of HP System Management Homepage
- B. dynamic balancing of physical and logical resources
- C. HP's improved secure SNMP
- D. a single console to display information about multiple devices

**Answer: B**

Explanation:

Reference:

<http://h20000.www2.hp.com/bc/docs/support/SupportManual/c00814176/c00814176.pdf>

<http://h18004.www1.hp.com/products/servers/management/vse/index.html>

# Test4Prep

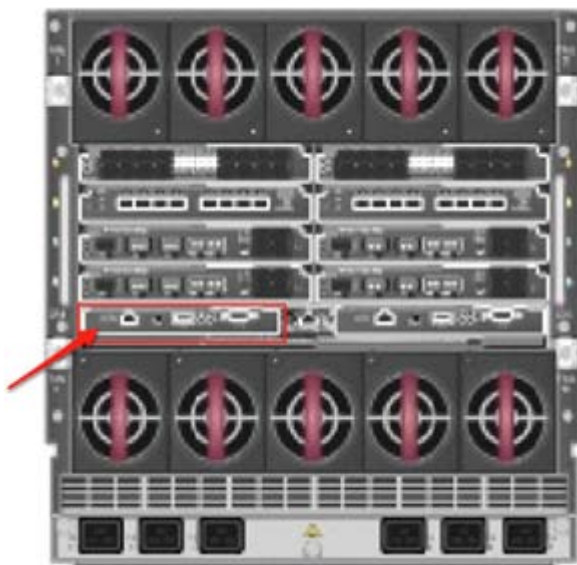
## Question: 176

HOTSPOT

Click on an Onboard Administrator module in the graphic.



Answer:



Explanation:

Reference:

[http://h18000.www1.hp.com/products/quickspecs/archives\\_North\\_America/12517\\_na\\_v3/12517\\_na.HTML](http://h18000.www1.hp.com/products/quickspecs/archives_North_America/12517_na_v3/12517_na.HTML)



# Test4Prep

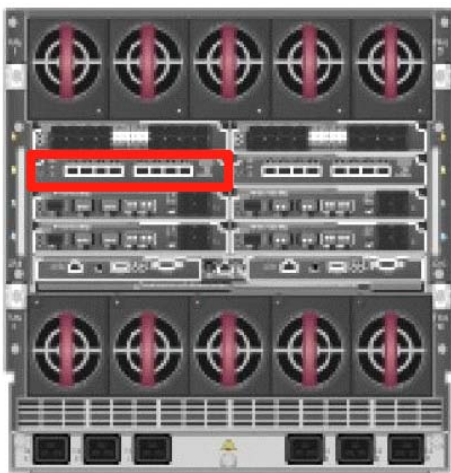
## Question: 177

HOTSPOT

Click on the Ethernet pass-thru module in the graphic.



Answer:



## Question: 178

Which HP mezzanine option supports hardware RAID for Solid State Drives (SSDs)?

- A. HP PCI Express Mezzanine Pass-Thru card
- B. HP StorageWorks IO Accelerator
- C. HP Smart Array P712m Controller
- D. HP Smart Array P700m Controller

**Answer: C**

Explanation:

Reference:

<http://mediapool.getthespec.com/media.pdf?m=U%2BgvdbRuDWUV6mUSMLjcg%3D%3DHYPERRLNK>

"[http://mediapool.getthespec.com/media.pdf?m=U+gvdbRuDWUV6mUSMLjcg==&v=PD"&HYPERLNK](http://mediapool.getthespec.com/media.pdf?m=U+gvdbRuDWUV6mUSMLjcg==&v=PD) "[http://mediapool.getthespec.com/media.pdf?m=U+gvdbRuDWUV6mUSMLjcg==&v=PD">http://mediapool.getthespec.com/media.pdf?m=U+gvdbRuDWUV6mUSMLjcg==&v=PD">v=PD](http://mediapool.getthespec.com/media.pdf?m=U+gvdbRuDWUV6mUSMLjcg==&v=PD)

## Question: 179

Which HP BladeSystem component can be used for initial enclosure configuration and troubleshooting?

- A. Enclosure Setup Wizard
- B. Virtual Connect Manager
- C. ProLiant Onboard Administrator
- D. Insight Display

**Answer: C**

Explanation:

Reference:

<http://h20000.www2.hp.com/bc/docs/support/SupportManual/c01215727/c01215727.pdf>

## Question: 180

What can be installed in a PCI expansion blade? (Select two.)

- A. one or two PCI-e cards
- B. two PCI-X and two PCI-e cards
- C. one or two PCI-X cards
- D. one PCI-X and one PCI-e card

**Answer: A, C**

Explanation:

Reference:

[http://h18000.www1.hp.com/products/quickspecs/12753\\_div/12753\\_div.PDF](http://h18000.www1.hp.com/products/quickspecs/12753_div/12753_div.PDF)

## Question: 181

What can be used to prevent the mixing of hot and cold air to improve the cooling efficiency of c-Class enclosures installed in the 10000 Series cabinet? (Select two.)

- A. HP Rack Coupling Kit
- B. HP 1U Universal Filler Panel
- C. HP 10000 Series Rack Airflow Optimization Kit
- D. HP 10000 G2 Series Front Doors

**Answer: C**

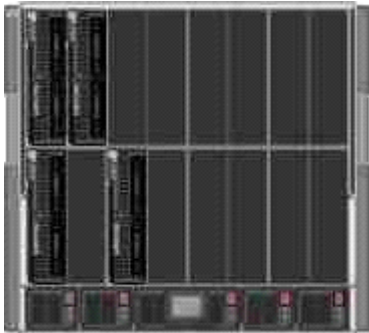
Explanation:

Reference:

[http://h18000.www1.hp.com/products/quickspecs/12810\\_div/12810\\_div.html](http://h18000.www1.hp.com/products/quickspecs/12810_div/12810_div.html)

## Question: 182

Refer to the exhibit below.



As shown in the exhibit, four BL460c G6 Server Blades are installed in a c7000 enclosure. What is the maximum number of BL680 Server Blades that can be added to this enclosure without powering off any blade?

- A. 4
- B. 5
- C. 6
- D. 12

**Answer: D**

## Question: 183

What should a system engineer use to back up the configuration for a BladeSystem enclosure? (Select two.)

- A. Onboard Administrator GUI - Configuration Scripts option
- B. Onboard Administrator GUI - Rack Overview option
- C. Insight Display - Enclosure Settings
- D. Insight Display - USB Menu
- E. Insight Display - Enclosure Info

**Answer: B, C**

## Question: 184

A customer has a ProLiant BL680c G5 Server Blade with an Integrated HP Smart Array P400i Controller with 256MB ECC protected cache. An application runs slowly whenever there are large bursts of disk writes. How can this be prevented?

- A. by adding more internal disks to distribute the load
- B. by creating a larger swap file to handle the extra load
- C. by changing the internal disks from RAID 1 to RAID 5
- D. by installing an optional 512MB cache with BBWC

**Answer: D**

## Question: 185

Which address should you enter into your browser to remotely access an HP SIM interface?

- A. <https://<MachineName>:50000/>
- B. <https://<MachineName>:2381/>
- C. <https://<MachineName>:8080/>
- D. <https://<MachineName>:2301/>

**Answer: A**

## Question: 186

A customer is having intermittent system problems a short time after deploying a new server blade. Which action should you take?

- A. Open a case with HP Technical Support.
- B. Replace the system board.
- C. Replace the system memory.
- D. Update the firmware to the latest levels.

**Answer: D**

## Question: 187

The customer has a single Onboard Administrator (OA), which needs to be replaced. What should you do before you replace the OA?

- A. Access the OA GUI or CLI and capture a system log.
- B. Telnet or SSH to the OA and collect a showall.txt.
- C. Browse to the OA and collect a script containing a list of the enclosure's current inventory.
- D. Use a USB key and the Insight Display to save the configuration.

**Answer: D**

## Question: 188

In a c7000 enclosure, you notice a fan LED flashes amber for about eight seconds and then returns to green. What does this indicate?

- A. The fan is overheating.
- B. The fan has failed.
- C. The fan speed was changed.
- D. The fan firmware was updated.

**Answer: D**

Explanation:

Reference:

<http://www.google.com.pk/url?sa=t&rct=j&q=hp bladesystem c-class enclosuretroubleshooting guide&source=web&cd=1&ved=0CB8QFjAA&u>"&HYPERLINK "http://www.google.com.pk/url?sa=t&rct=j&q=hp bladesystem c-class enclosuretroubleshooting guide&source=web&cd=1&ved=0CB8QFjAA&u"rct=jHYPERLINK

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## Question: 189

What does a blinking amber LED usually indicate on a SATA hot plug drive?

- A. The drive has failed.
- B. The drive has a predictive failure.
- C. The drive is active and busy.
- D. The drive is active and offline.

**Answer: B**

Explanation:

Reference:

<http://bizsupport1.austin.hp.com/bc/docs/support/SupportManual/c01693939/c01693939.pdf>  
(page 7)

## Question: 190

What is used to automatically download software updates from HP?

- A. HP Subscribers Choice
- B. Version Control Agent (VCA)
- C. HP Systems Insight Manager (HP SIM)
- D. Version Control Repository Manager (VCRM)

**Answer: B**

Explanation:

Reference:

<http://h18013.www1.hp.com/products/servers/management/hpsim/index.html?jumpid=go/hpsim>

## Question: 191

Which memory tests can be run using HP Insight Diagnostics Offline Edition? (Select three.)

- A. loop
- B. complete
- C. quick
- D. random
- E. custom

**Answer: B, C, E**

Explanation:

Reference:

<http://h10032.www1.hp.com/ctg/Manual/c00293061.pdf>

## Question: 192

Your customer uses a c3000 enclosure with only one Virtual Connect Flex 10 module in bay 1. The Virtual Connect firmware needs to be updated and you are in the process of writing an action plan for this process. Which information needs to be included in this action plan?

- A. download location of the firmware
- B. information for possible elevation
- C. Statement of Work
- D. Virtual Connect Troubleshooting Guide

**Answer: D**

## Question: 193

You are preparing to replace a system board on a BL680c. What should you do first?

- A. Remove the disk drive cage.
- B. Remove the cover.
- C. Remove the processors.
- D. Connect the ESD strap.

**Answer: D**

## Question: 194

The customer replaced a server blade that had been backed up to an Ultrium 448 Tape Drive. How should you restore the server blade and have it fully functional?

- A. During POST, you select F9 to restore from tape.
- B. You power up the server blade and hold down the One-Button Disaster Recovery (OBDR) button.
- C. You insert the tape that has the backup of the server, then power up the blade.
- D. You power up the blade and select F9 during POST to enter into the RBSU. In the RBSU, you select Restore from tape

**Answer: B**

Explanation:

Reference:

<http://www.dectrader.com/docs/set2/c01309761.pdf>

## Question: 195

How can you access the RBSU to verify Advanced Processor settings? (Select two.)

- A. Press F9 during POST.
- B. Press F12 during POST.
- C. Use Windows RBSU Configuration Utility.
- D. Use HP Insight Diagnostics Offline Edition.
- E. Use BIOS USB Console.
- F. Use BIOS Serial Console.

**Answer: A, F**



# Test4Prep

Explanation:

Reference:

[http://sysdoc.doors.ch/HP/SERVER/ML%20Tower%20Server/HP%20PROLIANT%20ML310%20G2/347563-003\\_RBSU3\\_UG.pdf](http://sysdoc.doors.ch/HP/SERVER/ML%20Tower%20Server/HP%20PROLIANT%20ML310%20G2/347563-003_RBSU3_UG.pdf)

## Question: 196

Which statement is true about creating a repository for implementing Version Control Repository Manager (VCRM)?

- A. There can be only one repository in the customer's environment.
- B. Servers with Version Control Agents (VCAs) must reside on the same subnet as the repository
- C. There can be multiple repositories in the customer's environment.
- D. There must be an HP SIM server associated with the repository

**Answer: A**

## Question: 197

A customer recently lost data due to a failed disk drive in their BL460c Server. What should you recommend to minimize data loss in case of disk drive failure in the future?

- A. Upgrade to RAID 0.
- B. Upgrade to RAID 1.
- C. Upgrade to RAID 5.
- D. Upgrade to RAID 0+1.

**Answer: C**

## Question: 198

HOTSPOT

**HP Insight Diagnostics**

Survey Diagnose Status Log Help

### System Survey

Current Configuration Compare Configurations

View Level: Summary Categories: Overview

System	
Product Name	ProLiant BL480c G1
Serial Number	NP6CMU0200
Processor Package 1 (Socket 1, Core = 1)	Intel Xeon Processor @ 3.20 Ghz
Processor Package 2 (Socket 2, Core = 1)	Intel Xeon Processor @ 3.20 Ghz
Operating system environment	Microsoft(R) Windows(R) Server 2003
Total memory - 2048 Mbytes	
Board 0	
DIMM 1A (DDR2-FBD)	1024 Mbytes (667 MHz)
DIMM 2C	Not Installed
DIMM 3E	Not Installed
DIMM 4A (DDR2-FBD)	1024 Mbytes (667 MHz)

Answer:

**HP Insight Diagnostics**

Survey Diagnose Status Log Help

### System Survey

Current Configuration Compare Configurations

View Level: Summary Categories: Overview

System	
Product Name	ProLiant BL480c G1
Serial Number	NP6CMU0200
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Total memory - 2048 Mbytes	
Board 0	
DIMM 1A (DDR2-FBD)	1024 Mbytes (667 MHz)
DIMM 2C	Not Installed
DIMM 3E	Not Installed
DIMM 4A (DDR2-FBD)	1024 Mbytes (667 MHz)

## Question: 199

Which statement is true about the background color of the Insight Display?

- A. If there is an error detected in the Insight Display, the background color will be amber regardless of the status of the enclosure UID indication.
- B. If the enclosure UID is active, the Insight Display background color will be blue.
- C. An Insight Display background color of green will override a red error indication.
- D. The enclosure UID cannot be enabled if there is an error detected by the Onboard Administrator.

**Answer: B**

Explanation:

Reference:

<http://h20000.www2.hp.com/bc/docs/support/SupportManual/c00705292/c00705292.pdf> (page 25)

## Question: 200

How can you improve mouse responsiveness when using the remote console of the iLO 2 card?

- A. Enable the High Performance Mouse options.
- B. Disable COM Port Emulation mode.
- C. Enable PS2 Port Emulation mode.
- D. Run the Windows Server in Safe mode.

**Answer: A**

Explanation:

Reference:

<http://h18006.www1.hp.com/products/servers/management/ilo/support.html>

## Question: 201

When the enclosure management address is not configured, which tool is used to check the Onboard Administrator (OA) Service IP?

- A. HP Systems Insight Manager
- B. OA Management Homepage
- C. Onboard Administrator CLI
- D. Insight Display

**Answer: D**

## Question: 202

What is required to recover from a failed Onboard Administrator (OA) firmware upgrade? (Select three.)

- A. OA firmware in a .bin file
- B. keyboard and monitor attached to the KVM port of OA
- C. a DHCP and FTP server accessible by OA
- D. a bootable USB key with the latest OA firmware
- E. local access to the enclosure

**Answer: B, D, E**

## Question: 203

What can be used to reboot the Active or Standby Onboard Administrator (OA) module?

- A. ASR implemented on the OA level
- B. enclosure link-down port
- C. enclosure Reset button at the rear of the enclosure
- D. Insight Display

**Answer: C**

## Question: 204

Which port must be used to connect to the Onboard Administrator (OA) using Service IP?

- A. any port of the interconnect in bay 1
- B. USB port on active OA
- C. standby OA network port
- D. enclosure link-up port

**Answer: D**

## Question: 205

A customer installed sixteen server blades and two GbE2c switches in a c7000 enclosure. The customer reports that none of the servers have a LAN connection. How you can solve this problem?

- A. Enable iSCSI and RDMA options for embedded multifunction NIC cards.
- B. Verify GbE2c switches are installed into bays 1 and 2.
- C. Replace GbE2c switches with the Flex-10 10 Gb Ethernet module to manage all LAN interfaces.
- D. Install two additional LAN GbE2c switches into bays 5 and 6 to cover all LAN interfaces.

**Answer: B**

## Question: 206

Which command should you use to gather information about the software patches installed on a Linux server?

- A. sysinfo
- B. rpm
- C. swlist
- D. patch

**Answer: C**

## Question: 207

What are features of HP iLO Advanced Pack for HP BladeSystems? (Select three.)

- A. Directory Services Integration
- B. dedicated NIC
- C. virtual unit indicator
- D. multi-factor authentication
- E. virtual media

**Answer: C, D, E**

## Question: 208

Which iLO 2 features were removed in iLO 3? (Select two.)

- A. virtual KVM
- B. virtual media
- C. virtual serial port applet
- D. Java integrated remote console
- E. SSH interface
- F. Telnet interface

**Answer: C, F**

## Question: 209

DRAG DROP

**Steps in Order**

- 1 [place step here]
- 2 [place step here]
- 3 [place step here]
- 4 [place step here]

---

Update the Virtual Connect Ethernet firmware    Update all server firmware    Update the Onboard Administrator    Reboot the server blades

**Answer:**

**Steps in Order**

- 1 Update the Onboard Administrator
- 2 Update the Virtual Connect Ethernet firmware
- 3 Update all server firmware
- 4 Reboot the server blades

---

Update the Virtual Connect Ethernet firmware    Update all server firmware    Update the Onboard Administrator    Reboot the server blades

## Question: 210

Which resource can be used to identify the warranty status of an HP BL460c G6 Server Blade?

- A. IT Resource Center
- B. HP Service Advisory
- C. HP Onboard Administrator
- D. HP Service Dashboard

**Answer: D**

## Question: 211

DRAG DROP

Indicate what is included in an HP warranty.

software support	place here
flexible support levels	place here
parts and labor	place here
downtime protection as needed	place here
hardware protection against manufacturer defect	place here

NOT included in an HP warranty	NOT included in an HP warranty	included in the HP warranty
included in the HP warranty	NOT included in an HP warranty	included in the HP warranty
NOT included in an HP warranty	NOT included in an HP warranty	included in the HP warranty
included in the HP warranty		

**Answer:**

software support	included in the HP warranty
flexible support levels	NOT included in an HP warranty
parts and labor	included in the HP warranty
downtime protection as needed	NOT included in an HP warranty
hardware protection against manufacturer defect	NOT included in an HP warranty

## Question: 212

A customer has a c7000 enclosure that is fully populated with BL680c blades. Two months after the initial installation, the rack initiates a thermal shutdown. When diagnosing the problem, you find there is not enough space to get behind the unit. You pull all the units out but find no problems with the chassis, blades, or their cooling systems. What is a potential cause for the thermal shutdown?

- A. The rack is too close to the cold air outlet. The hot air area is too large, and the cooling system is unable to recirculate the hot air effectively.
- B. The blade enclosure's fan system is not strong enough to remove the thermal heat generated in a fully populated enclosure.
- C. The cooling system temperature in the data center is set too low. This results in the enclosure cooling fan system rotating at a lower RPM and not removing enough of the thermal heat.
- D. There is insufficient air circulation causing hot air from the rear of rack to be fed back to the equipment through the front of the rack.

**Answer: D**



## Question: 213

You need to capture the configuration and support dump of several Virtual Connect domains. Which tool can be used to perform this action from a central system?

- A. Insight Control
- B. Virtual Connect Enterprise Manager
- C. Virtual Connect Support Utility
- D. Systems Insight Manager

**Answer: B, C**

Explanation:

Reference:

<http://h20000.www2.hp.com/bizsupport/TechSupport/Document.jsp?lang=en>HYPERLINK  
"http://h20000.www2.hp.com/bizsupport/TechSupport/Document.jsp?lang=en&cc=us&taskId=120&prodSeriesId=3601866&prodTypeId=18964&ob"&HYPERLINK  
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## Question: 214

How does humidity affect a data center? (Select two.)

- A. The potential for condensation increases when humidity increases.
- B. When humidity decreases within the data center, flexible joints become fragile.
- C. When humidity increases, the potential for ESD increases.
- D. The potential for condensation decreases when humidity decreases.
- E. When humidity increases within the data center, flexible joints become fragile.
- F. When humidity decreases, the potential for ESD increases.

**Answer: A, C**

## Question: 215

Both the c3000 and c7000 chassis have a capacity for a maximum of six power supplies. Which feature does the c3000 have that differentiates it?

- A. 2400W power supplies
- B. 12 v DC output
- C. 200-240VAC
- D. 1200W power supplies

**Answer: B**

## Question: 216

After executing a troubleshooting plan, which tools may provide indications of a successful remedy in step 5 of the 6-step HP Troubleshooting Methodology? (Select two.)

- A. HP Screwdriver Toolkit
- B. Integrated Management Log (IML)
- C. MSDN Toolkit
- D. MSCOIMFIG
- E. OS Event Log

**Answer: B, E**

Explanation:

Reference:

<http://flylib.com/books/en/3.482.1.209/1/> (see step 5)

## Question: 217

Step 5 of the 6-Step HP Troubleshooting Methodology requires verification that the repair was successful. Which authorized tool provides this information for ProLiant servers?

- A. HP ProLiant Support Pack (PSP)
- B. HP SUM
- C. HP ServicePack for ProLiant (SPP)
- D. HP Offline Diagnostics Utility

**Answer: D**

## Question: 218

A c7000 enclosure is fully populated with power supplies. Each power supply will have 2400W available if the N+1 power mode is configured. What is the total amount of available power?

- A. 7200W
- B. 12000W
- C. 14400W
- D. 16800W

**Answer: C**

Explanation:

Reference:

[http://boardreader.com/thread/Enclosure\\_Inadequate\\_Power\\_To\\_Power\\_On\\_N\\_6maf9Xvml1.html](http://boardreader.com/thread/Enclosure_Inadequate_Power_To_Power_On_N_6maf9Xvml1.html)  
A C7000 enclosure can be fully populated with 6 power supplies. If you multiply 2400 by 6, you will get the answer.

## Question: 219

After replacing a defective memory module, you boot the latest version of SmartStart so you can run a custom diagnostic test to ensure that previous problems have been resolved. After loading HP Insight Diagnostics, which tab should you choose to set up a user-defined memory test?

- A. Complete Test
- B. Diagnose
- C. Quick Test
- D. Custom Test

**Answer: D**

Explanation:

Reference:

<http://bizsupport2.austin.hp.com/bc/docs/support/SupportManual/c00293061/c00293061.pdf>  
(page 21, 22)

## Question: 220

How can a ProLiant server running Linux be rebooted from a remote location?

- A. clicking on Start and then clicking on Shut Down in the remote iLO console screen
- B. using the virtual power off button of the iLO
- C. using the command shutdown now -h in the remote iLO console screen
- D. using the command init 6 in the remote iLO console screen

**Answer: A**

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