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Vendor: HP

Exam Code: HP0-S34

Exam Name: Implementing HP Rack and Tower Server
Solutions

Version: Demo

QUESTION 1

HP ProLiant DL380 Gen8 servers provide a Flexible LOM option.

Which technologies are supported?

- A. 10 Gb Flex-Fabric
- B. 1 Gb Ethernet
- C. 10 Gb Flex 10
- D. Dual Channel Gen3 SAS
- E. Infiniband
- F. 10 Gb Ethernet
- G. 16 Gb Fibre Channel

Correct Answer: ABEF

Explanation

Explanation/Reference:

Explanation:

See www.hp.com/go/ProLiantNICs

<http://h20195.www2.hp.com/V2/GetPDF.aspx%2F4AA4-6708ENW.pdf> and Networking flexibility in HP ProLiant Gen8 servers with FlexibleLOM technology

<http://www8.hp.com/h20195/v2/GetDocument.aspx?docname=4AA4-6708ENW>

QUESTION 2

Referring to the exhibit shown, which data protection and recovery technology protects a customer...

Exhibit:

	Level	Protection	Recovery time
Disk-based	1	RAID mirroring	4
	2	Snapshots Clones	3
	3	Remote replication Two-stage backup	2
Tape-based	4	Tape backup and restores Off-site storage	1

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

Correct Answer: D
Explanation

Explanation/Reference:

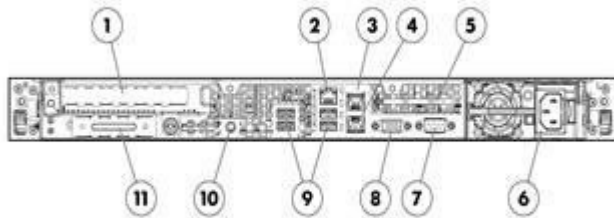
QUESTION 3

Which Gen8 server model provides support for one power supply only?

- A. DL380
- B. DL360
- C. ML350
- D. DL160

Correct Answer: D
Explanation

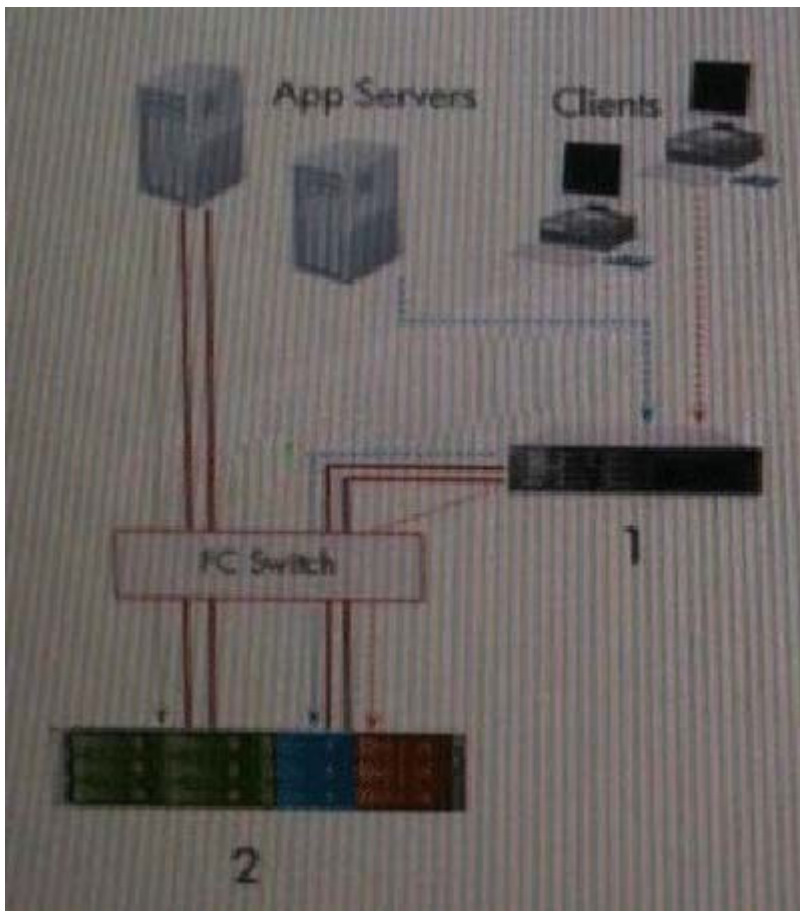
Explanation/Reference:
Explanation:



HP Product Bulletin.

QUESTION 4

Which storage interconnect technology does Component 2 provide in the environment show in the exhibit?



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

Correct Answer: D

Explanation

Explanation/Reference:

QUESTION 5

The HP SL230 server is designed for which market segments? (Select two)

- A. NPIV-based virtualisation
- B. Scale-out
- C. Scale-up
- D. High performance computing
- E. Entry level computing

Correct Answer: BD

Explanation

Explanation/Reference:

Explanation:

HP ProLiant SL230s Gen8 Server

<http://www8.hp.com/de/de/products/proliant-servers/product-detail.html?oid=5177937#!tab=features>

QUESTION 6

While installing new load reduced DIMM (LR-DIMM) memory modules into a server, an administrator...

What should you recommend?

- A. Populate LR-DIMM and RDIMM memory modules in different memory channels
- B. Populate LR-DIMM and RDIMM memory modules in different memory controllers
- C. LR-DIMM and RDIMM memory modules cannot be mixed in the same server.replace either memory...
- D. Populate LR-DIMM before RDIMM memory modules within the same channel

Correct Answer: C

Explanation

Explanation/Reference:

Explanation:

HP Product Bulletin DL380p Gen8 Chapter Memory: Do not mix RDIMMs, LRDIMMs, and UDIMMs

QUESTION 7

Which statement is correct about iLO technology used in Gen8?

- A. A new video adaptater is used
- B. CPU speed and type has changed
- C. Gigabit network is used
- D. The USB version has changed

Correct Answer: C

Explanation

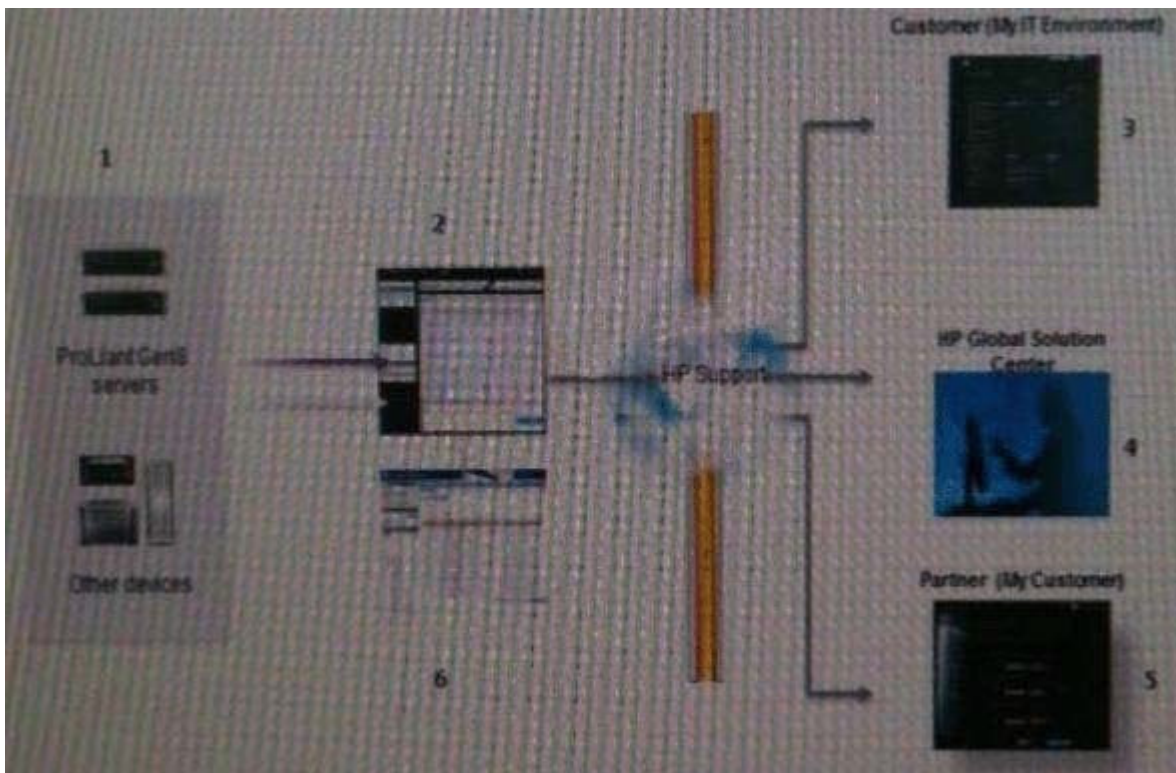
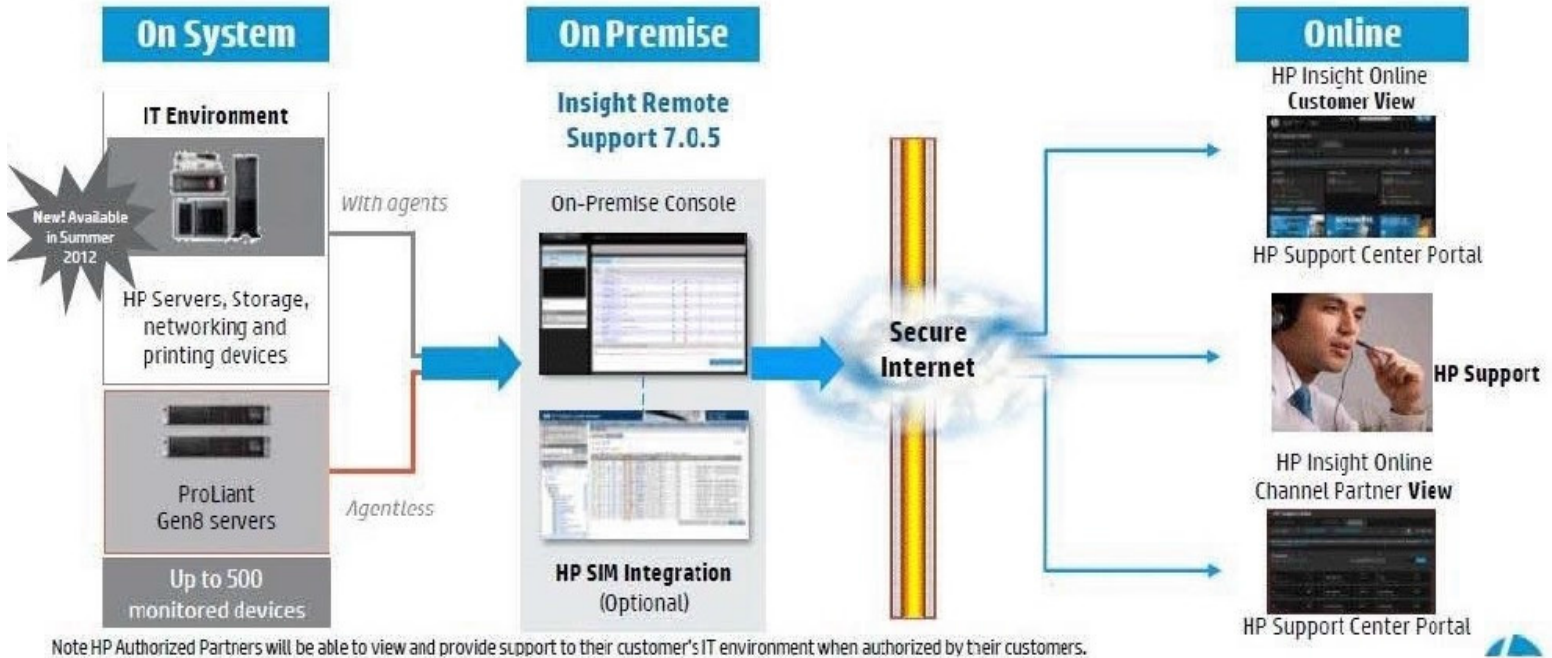
Explanation/Reference:

QUESTION 8

Where in the HP service Stack shown is HP Insight Online integrated? (2)

HP Integrated Management & Support experience

A unified solution for customers to provide the best-in-class support experience



A. HP ProLiant Gen 8

- B. HP Insight Remote Support
- C. Customer HP Support Center Portal
- D. HP Global Solution Center
- E. Partner HP Support Center portal
- F. HP System Insight Manager

Correct Answer: CE

Explanation

Explanation/Reference:

QUESTION 9

A customer needs to connect de DL380 Gen8 with a D2600 disk enclosure.

Which controller should be used?

- A. P212
- B. P711m
- C. P410/410i
- D. P800

Correct Answer: A

Explanation

Explanation/Reference:

Explanation:

See "Storage Controller" <http://www8.hp.com/us/en/products/disk-enclosures/product-detail.html?oid=4021628#!tab=specs> in Specifications tab. P212 apperas only. HP Product Bulletin --> The D2000 enclosures support direct attach storage to ProLiant Servers with the HP Smart Array P411, P212, P812, P222, P421, P431or the P822 Controllers

QUESTION 10

Which Source media types are supported in Intelligent Provisioning? (Choose four)

- A. FTP
- B. Network share
- C. USB
- D. USB 3.0
- E. Disc

Correct Answer: ABCE

Explanation

Explanation/Reference:

Explanation:

See "HP Intelligent Provisioning User Guide" on Page 21 http://h20565.www2.hp.com/portal/site/hpsc/template.BINARYPORTLET/public/kb/docDisplay/resource.process/?spf_p.tpst=kbDocDisplay_ws_BI&spf_p.rid_kbDocDisplay=docDisplayResURL&javax.portlet.beginCacheTok=com.vignette.cachetoken&spf_p.rst_kbDocDisplay=wsrp-resourceState %3DdocId%253Demr_na-c03182305-13%257CdocLocale%253Den_US&javax.portlet.endCacheTok=com.vignette.cachetoken

QUESTION 11

A customer wants to build an HPC cluster and needs the highest performance and bandwidth.

What should he used?

- A. Flex 10
- B. 10 GB Ethernet
- C. Flex Fabric
- D. FDR InfiniBand

Correct Answer: D
Explanation

Explanation/Reference:

QUESTION 12

A customer recently noticed that a cluster on 1 GbE is very slow when large amount of data are transmitted.

What should you recommend?

- A. More NICs and the use of teaming technology
- B. Changing copper to FO
- C. 10 Gb Ethernet
- D. InfiniBand QDR

Correct Answer: C
Explanation

Explanation/Reference:

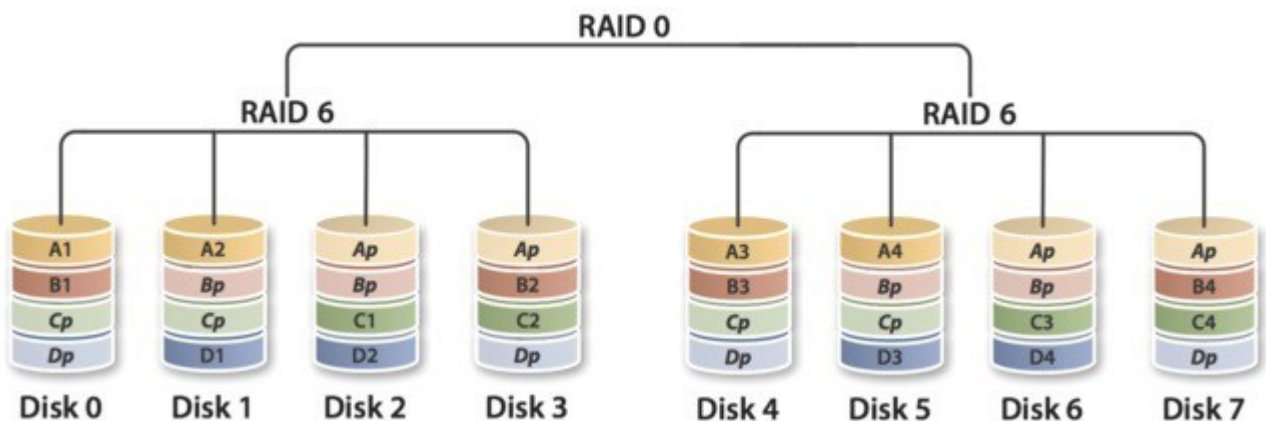
QUESTION 13

What is the minimum number of drives required when bulding a RAID 60?

- A. 4
- B. 6
- C. 8
- D. 12

Correct Answer: C
Explanation

Explanation/Reference:
 Explanation:



QUESTION 14

An admin installed new DDR3 memory in a server and discovered that the server contained quad-rank, 2 rank and 1 rank.

What should you recommend?

- A. Replace all memory modules so that they are the same load
- B. Populate the memory modules from the heaviest to the lightest load within a channel
- C. Populate similar load memory module within the same memory controller
- D. Populate similar load memory module within the same memory channel

Correct Answer: B

Explanation

Explanation/Reference:

Explanation:

See HP Product Bulletin --> Populate DIMMs from heaviest load (quad-rank) to lightest load (single-rank) within a channel. Heaviest load (DIMM with most ranks) within a channel goes furthest from the processor

QUESTION 15

Which functionalities are provided when Insight Remote Support Advanced is used as a standalone version? (Choose Two)

- A. Viewing service credit balances
- B. Sharing device displays with HP Authorized Partners
- C. 24 x 7 remote monitoring of hardware service events
- D. Automated device discovery in HP Support Center
- E. Monitoring and managing HP contracts and warranties

Correct Answer: CE

Explanation

Explanation/Reference:

QUESTION 16

You are implementing a smart datacenter with Gen8 servers. Which option is right for highly-monitored and s.....

- A. SL6500 + iPDU
- B. SL6500 + monitored PDU
- C. DL380 Gen8 + iPDU Core
- D. DL380 Gen8 + iPDU Core + extension bar

Correct Answer: D

Explanation

Explanation/Reference:

QUESTION 17

Which operating system installation methods are available in intelligent Provisioning? (Choose 3)

- A. Assisted
- B. Manual
- C. Customized
- D. Recommended
- E. Interactive

Correct Answer: BCD
Explanation

Explanation/Reference:

QUESTION 18

A customer wants to build a high performance environment with 3 GPU What should you recommend?

- A. SL230 Gen8
- B. DL380 Gen8
- C. ML350 Gen8
- D. SL250 Gen8

Correct Answer: D
Explanation

Explanation/Reference:

QUESTION 19

A customer needs the maximum number of internal disks in an HP Proliant Gen8 server. Which server choose?

- A. DL 360 Gen8
- B. DL 380 Gen8
- C. DL 180 Gen8
- D. ML 350 Gen8

Correct Answer: B
Explanation

Explanation/Reference:

QUESTION 20

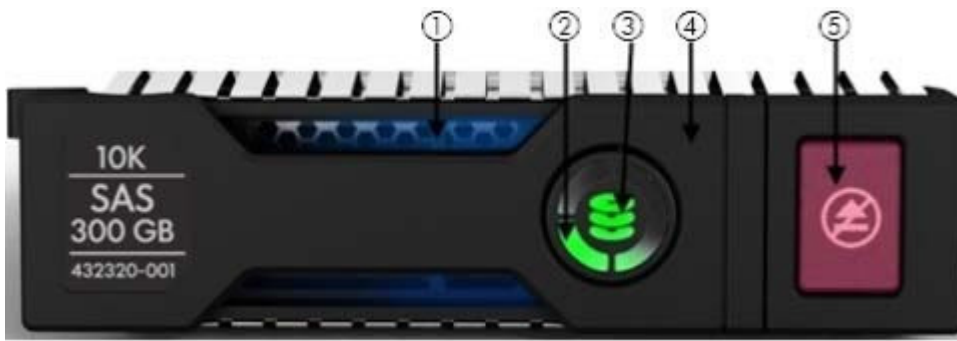
An HP Proliant gen8 server has 3 HD drive in a RAID 5 array. One of the HD Failed, and the admin change the HD.

What is the LED status of HDDs?

- A. All HDD will have DO NOT REMOVE LED lit and the faulty drive will show an amber light at the...
- B. Only the faulty HD will have the DO NOT REMOVE LED lit
- C. All HD will have the DO NOT REMOVE LED lit
- D. The faulty HD will show an amber light at the cylinder icon and the remaining drives will have the DO NOT REMOVE LED lit

Correct Answer: D
Explanation

Explanation/Reference:
Explanation:



Hard Drive LED Indicator

Item	Description	Status
1	Locate Backlight	The blue "locate" backlight allows for easy identification/location of a specific drive or set of drives, critical for saving time in an environment with lots of drives in a confined space.
2	Activity Ring (Spinner)	Either hidden or Spins clockwise anytime HDD has 1 or more outstanding commands.
3	Hard drive status indicator	Off - Not Configured Solid Green - Configured Blinking Green - Rebuilding Blinking Green\Amber - Configured & Predictive Failure Blinking Amber - Predictive Failure Solid Amber - Failed
4	Handle	Drive cage handle comes out when eject button is pressed.
5	Do Not Remove (DNR) indicator is either White or hidden	Do not remove the drive when the indicator is white. Ejecting the drive results in a logical drive failure.

Drive is not configured by a Raid Controller.



Drive Activity, spins clockwise.



Drive is being accessed by an application like ACU. Also acts like UID.



Drive has failed.



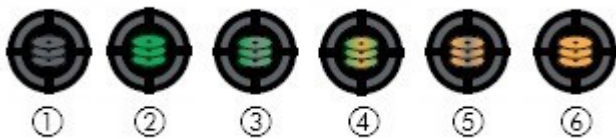
Drive in Predictive failure.



Drive being rebuilt or performing RAID/stripe size migration or capacity expansion or logical drive extension.



Hard Drive Status Indicator (see below table for explanation).



Item	Drive Status	Meaning	Definition
1	Off	Not Configured	Hard drive is not configured by a RAID controller
2	Solid Green	Configured	Hard drive is a member of one or more logical drives
3	Blinking Green	Rebuilding	Hard drive is rebuilding data or performing a RAID migration, stripe-size migration, capacity expansion, or logical drive extension
4	Blinking Green/Amber	Configured and Predictive Failure	Hard drive is a member of one or more logical drives and predicts it will fail
5	Blinking Amber	Predictive Failure	Hard drive is not configured and predicts it will fail
6	Solid Amber	Failed	Hard drive is failed

QUESTION 21

Referring to the screenshot shown, which HP System insight Manager option do you use to display power and thermal data of a Proliant Gen8 server?



- A. Reports
- B. Tools
- C. Optimize
- D. Diagnose

Correct Answer: A

Explanation

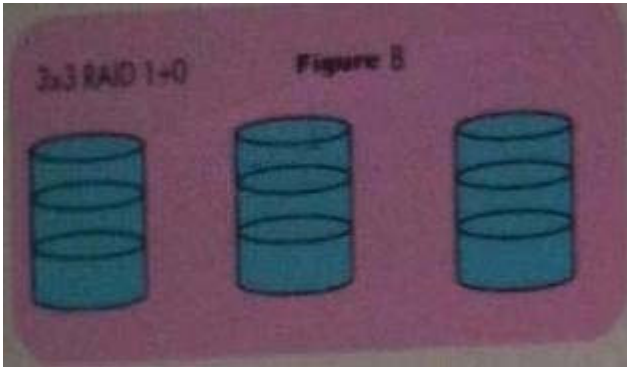
Explanation/Reference:

Explanation:

See HP Insight Control 7.0 Getting Started Guide on Page 21 <http://h50146.www5.hp.com/lib/products/servers/proliant/manuals/c03168810.pdf>

QUESTION 22

In the exhibit shown, Figure B represents which RAID level?



- A. RAID 10
- B. Advanced Data Guard (ADG)
- C. RAID 1
- D. Advanced Data Mirroring (ADM)

Correct Answer: D

Explanation

Explanation/Reference:

Explanation:

HP Smart Array Advanced Pack

<http://h18004.www1.hp.com/products/servers/proliantstorage/arraycontrollers/smartarray-advanced/benefits.html>

RAID 1 ADM (Advanced Data Mirroring) allows customers to configure three drives as RAID 1 for additional protection on larger capacity drives. It also allows customers to retain a single drive as a backup without having to rebuild the mirrored set.

QUESTION 23

What can you use to collect Active Health System log data for maintenance (3)? (Choose three)

(WARNING!! possible trick question. See Explanation)

- A. RBSU
- B. Intelligent Provisioning
- C. Active Health System viewer
- D. Integrated Lights Out
- E. Active Health System log Analyzer
- F. Integrated Management Log

Correct Answer: BDF

Explanation

Explanation/Reference:

Explanation:

How to Collect AHS log from HP Gen8 Server

<http://www.tricksguide.com/collect-ahs-logs-from-hp-gen8-server.html> Downloading the AHS log

<http://www.manualslib.com/manual/441081/Hewlett-Packard-Proliant-BI420c.html?page=18> Integrated Management Log ??? AHS viewer ????

Active Health System Log Download CLI for Windows

<http://h20000.www2.hp.com/bizsupport/TechSupport/SoftwareDescription.jsp?>

[lang=en&cc=us&prodTypeId=15351&prodSeriesId=5211699&prodNameId=5260963&swEnvOID=4100&swLang=8&mode=2&taskId=135&swItem=MTX-5d57c33f5eb44ff985de7f93dd](http://h20000.www2.hp.com/bizsupport/TechSupport/SoftwareDescription.jsp?lang=en&cc=us&prodTypeId=15351&prodSeriesId=5211699&prodNameId=5260963&swEnvOID=4100&swLang=8&mode=2&taskId=135&swItem=MTX-5d57c33f5eb44ff985de7f93dd)

QUESTION 24

A customer has 30 HD drives in a RAID 60 with five parity groups.

How many drives can simultaneously fail in the array?

- A. 2
- B. 6
- C. 10
- D. 12

Correct Answer: C

Explanation

Explanation/Reference:

Explanation:

30 Disk / 5 parity/raid group = 6 Disk per parity Group Raid 6= n+2Parity

So 10 Disk is the Answer

2 Parity Disk / group * 5 groups = 2*5=10

QUESTION 25

A customer has two logical drives (logical drive 1 and logical drive 2) configured on a smart array controller.

The customer wants optimize logical drive 2 for database information Which option should you propose?

- A. Configure the surface scan delay to 3
- B. Configure the monitor and performance delay to 1
- C. Disable array accelerator for 1 to reserve the total use of the array accelerator cache for 2
- D. Increase the rebuilt priority to high for 1 and to low for 2

Correct Answer: C

Explanation

Explanation/Reference:

QUESTION 26

Which tool can an administrator use to force the OS to generate a crash dump log?

- A. HP System management home Page
- B. HP iLO virtual NMI
- C. HP Windows Crash Dump Analyser
- D. HP Integrated Management Log

Correct Answer: B

Explanation

Explanation/Reference:

Explanation:

See Performing an HP ProLiang Server NMI crash dump <http://h20195.www2.hp.com/V2/GetPDF.aspx%2F4AA4-7853ENW.pdf>

QUESTION 27

An admin wants to download the Active Health System log for escalation to HP.

What is the maximum size of the log file?

- A. 512 Mb
- B. 1 GB

- C. 2 GB
- D. 4 GB

Correct Answer: B
Explanation

Explanation/Reference:

QUESTION 28

When adding an agentless server in the Device management console (DMC), which information must be specified? (Choose two.)

- A. IP Address or DNS FQN of the iLO
- B. IP Address or DNS FQN of the server
- C. WBEM login credentials
- D. Onboard Administrator login credentials
- E. SNMP community string

Correct Answer: AE
Explanation

Explanation/Reference:

QUESTION 29

What do Virtual Machine Environment (VME) credentials refer to?

- A. A set of protocol dependent credentials used to manage various protocols in the virtual management environment
- B. A credential to synchronize HP SIM login credentials with discovered virtual machine credentials
- C. A credential common to Microsoft Hyper-V and VMware vCenter to register both services on the Central Management Server
- D. A protocol independent credential used to manage various virtual management environment

Correct Answer: B
Explanation

Explanation/Reference:

Explanation:

HP Insight Control Virtual Machine Management 7.1 User Guide Page 4 <http://h10032.www1.hp.com/ctg/Manual/c03341299.pdf>

QUESTION 30

Using the latest HP ProLiant Support Software and Gen8 servers, which component is no longer used for software and firmware baselines?

- A. HP ProLiant Firmware maintenance CD
- B. HP Version Control Agent
- C. HP ProLiant Service Pack
- D. HP Version Control Repository Manager

Correct Answer: C
Explanation

Explanation/Reference:

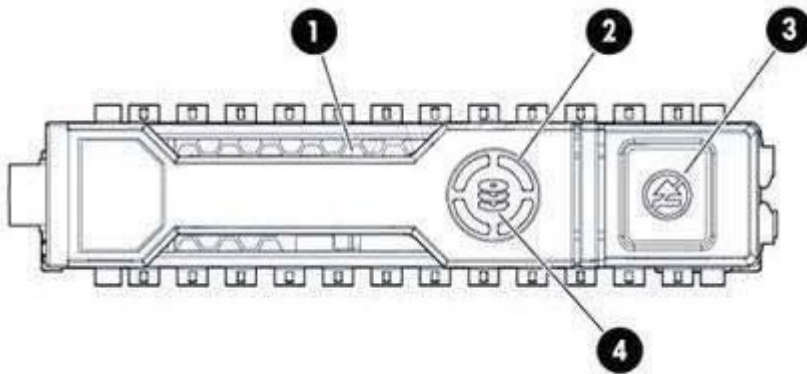
Explanation:

SPP replaces the HP ProLiant Support Pack(PSP) and Firmware DVD (PSP) and Firmware DVD

http://h20566.www2.hp.com/portal/site/hpsc/template.BINARYPORTLET/public/kb/docDisplay/resource.process/?spf_p.tpst=kbDocDisplay_ws_BI&spf_p.rid_kbDocDisplay=docDisplayResURL&javax.portlet.begCacheTok=com.vignette.cachetoken&spf_p.rst_kbDocDisplay=wsrp-resourceState %3DdocId%253Demr_na-c03424386-2%257CdocLocale%253D&javax.portlet.endCacheTok=com.vignette.cachetoken

QUESTION 31

Referring to the exhibit shown, which LED on a HP Proliant Gen8 server indicates hard drive activity?



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

Correct Answer: B

Explanation

Explanation/Reference:

Explanation:
Drive Activity, spins clockwise.



QUESTION 32

Which components can HP Insight Performance Management monitor? (Choose three.)

- A. Virtual machine guest components
- B. Fans
- C. Processor
- D. Local and external storage
- E. Temperature

Correct Answer: ACD

Explanation

Explanation/Reference:

Explanation:

See HP Insight Control Performance Management 7.1 User Guide on Page 34/35 <http://h10032.www1.hp.com/ctg/Manual/c03341295.pdf>

QUESTION 33

Which feature provides a customer alert to prevent a counter fail hard drive from getting arrested in a HP ProLiant:

- A. Drive Error Log NVRAM
- B. Smart Array Advanced pack
- C. Enhanced Display
- D. Smart Carrier Authentication

Correct Answer: B

Explanation

Explanation/Reference:

Explanation:

Not A Drive Error Log NVRAM Drive error log NVRAM with black-box recorder, for better failure analysis and resolution



Not C Enhanced Display because Enhanced display of self-describing icons with intuitive and improved LED function



Not D Smart Carrier Authentication because Smart carrier authentication to verify that both drive and carrier are HP-qualified options

HP SmartDrive for ProLiant Gen8 servers <http://www8.hp.com/h20195/v2/GetPDF.aspx%2F4AA3-9827ENW.pdf>

QUESTION 34

What is the preferred way to update component firmware in HP ProLiant Gen8?

- A. SMH VCA offline update
- B. HP SIM VCA offline update
- C. HP SUM agent less update
- D. HP SIM VCA online update

Correct Answer: C

Explanation

Explanation/Reference:

Explanation:

Answer C is right:

See HP ProLiant firmware management architecture --> <http://h10032.www1.hp.com/ctg/Manual/c02844392.pdf>

HP Smart Update Manager (HP SUM) is the main deployment tool, or the engine, that drives the firmware updates.

Not A: SMH VCA offline update

SMH = HP System Management for integrity

Not B: HP SIM VCA offline update

The HP Version Control Agent (VCA) is an HP Insight Management Agent that is installed on a system to enable you to view the HP software and firmware that is installed on that system. and not D HP SIM VCA online update

QUESTION 35

Which statements are correct about the Agentless management feature in HP Proliant Gen8 server?
(Choose three.)

- A. It is embedded
- B. It collects hardware information
- C. It is OS independent
- D. It must be activated in the RBSU
- E. It is OS dependant
- F. It collects OS level information

Correct Answer: ABC

Explanation

Explanation/Reference:

Explanation:

See --> Agentless Management

http://www.youtube.com/watch?feature=player_embedded&v=XDCBd_NeOuY

QUESTION 36

What provides agentless server management?

- A. SMH base update engine
- B. RBSU firmware
- C. HP SIM 7.0 agentless agent
- D. iLO management engine

Correct Answer: D

Explanation

Explanation/Reference:

Explanation:

Not A SMH base update engine

HP SMH = HP System Management Homepage

Not B RBSU firmware

RBSU = ROM-Based Setup Utility

Not C

QUESTION 37

On a HP smart Array P420i, which feature activates or rebuilds an online spare if there is a pre- failure alert?

- A. Predictive spare activation
- B. Offline spare activation
- C. Advanced data guard
- D. Online spare activation

Correct Answer: A

Explanation

Explanation/Reference:

Explanation:

HP Smart Array P421 Controller

http:

//h18000.www1.hp.com/products/servers/proliantstorage/arraycontrollers/smartarray421/index.html New predictive spare activation for improved rebuild and maximized uptime

QUESTION 38

Which source describes the standardized troubleshooting procedures for HP Proliant servers?

- A. HP Website Troubleshooting procedures
- B. HP Proliant Servers Troubleshooting guide
- C. HP Proliant Users guide
- D. HP Product bulletin

Correct Answer: B

Explanation

Explanation/Reference:

QUESTION 39

What must be enable to monitor Fibre Channel and iSCSI storage on a HP Proliant Gen8 server?

- A. Intelligent Provisioning
- B. Agentless Management
- C. SNMP Agents
- D. Agentless Manage Service

Correct Answer: D

Explanation

Explanation/Reference:

Explanation:

HP Agentless Management HP Agentless Management on Page 5 http:

//h20565.www2.hp.com/portal/site/hpsc/template.BINARYPORTLET/public/kb/docDisplay/resource.process/?

javax.portlet.begCacheTok=com.vignette.cachetoken&javax.portlet.endCacheTok=com.vignette.cachetoken&j

avax.portlet.rid_ba847bafb2a2d782fcbb0710b053ce01=docDisplayResURL&javax.portlet.rst_ba847bafb2a2d782fcbb0710b053ce01=wsrp-resourceState%3DdocId%253Demr_na-c03488111-1%257CdocLocale%

253D&javax.portlet.tpst=ba847bafb2a2d782fcbb0710b053ce01_ws_BI&ac.admitted=1401887350879.876444 892.492883150

Table 1: Information provided by Agentless Management and Insight Management Agents

	OS-based Agents	Agentless Management	
	Insight Management Agents	Agentless Management without AMS	Agentless Management with AMS
Server Health	<ul style="list-style-type: none"> - Fans - Temps - Power supplies - Memory - CPU 	<ul style="list-style-type: none"> - Fans - Temps - Power supplies - Memory - CPU 	<ul style="list-style-type: none"> - Fans - Temps - Power supplies - Memory - CPU
Storage	<ul style="list-style-type: none"> - Smart Array - SAS/SATA HBA/RAID - Fibre Channel / iSCSI - SMART drive monitoring (connected to Smart Array and SAS HBA) - Tape - External storage 	<ul style="list-style-type: none"> - Smart Array - SMART drive monitoring (connected to Smart Array) - Internal HDDs connected to Smart Array 	<ul style="list-style-type: none"> - Smart Array - iSCSI SAS/SATA HBA* - SMART drive monitoring (connected to Smart Array and SAS HBA) - Internal HDDs connected to Smart Array
NIC	<ul style="list-style-type: none"> - MAC and IP addresses for standup and embedded NICs - Teaming information - Link up/down traps - VLAN information 	<ul style="list-style-type: none"> - MAC Addresses for embedded NICs 	<ul style="list-style-type: none"> - MAC and IP address for embedded NICs - Link up/down traps*
Other	<ul style="list-style-type: none"> - OS information (host MIB) - iLO data - Performance data - User configurable thresholds - Logging events to OS logs - Clustering information 	<ul style="list-style-type: none"> - iLO data - Firmware inventory 	<ul style="list-style-type: none"> - iLO data - OS information (host MIB)* - Firmware inventory - Driver/Service inventory - Logging events to OS logs**

* Denotes that the data supplied by Agentless Management is not as extensive as the data supplied by the SNMP Agents.

** With iLO 4 v1.10 firmware, we've enabled AMS-based OS logging for Linux (var/message/log), Solaris, and VMware. We've included Windows in upcoming releases.

QUESTION 40

After configuring the bare metal HP Agentless Management, the customer notices that not all system information is display.

In addition, to system information displayed with the bare metal method, which information can be collected when running HP Agentless Management. (Choose Two)

- A. Storage firmware
- B. Network firmware
- C. Power an cooling information
- D. Processor data
- E. Memory information

Correct Answer: CE

Explanation

Explanation/Reference:

Explanation:

Table 1: Information provided by Agentless Management and Insight Management Agents

	OS-based Agents		
	Insight Management Agents	Agentless Management	
		Agentless Management without AMS	Agentless Management with AMS
Server Health	<ul style="list-style-type: none"> – Fans – Temps – Power supplies – Memory – CPU 	<ul style="list-style-type: none"> – Fans – Temps – Power supplies – Memory – CPU 	<ul style="list-style-type: none"> – Fans – Temps – Power supplies – Memory – CPU
Storage	<ul style="list-style-type: none"> – Smart Array – SAS/SATA HBA/RAID – Fibre Channel / iSCSI – SMART drive monitoring (connected to Smart Array and SAS HBA) – Tape – External storage 	<ul style="list-style-type: none"> – Smart Array – SMART drive monitoring (connected to Smart Array) – Internal HDDs connected to Smart Array 	<ul style="list-style-type: none"> – Smart Array – iSCSI SAS/SATA HBA* – SMART drive monitoring (connected to Smart Array and SAS HBA) – Internal HDDs connected to Smart Array
NIC	<ul style="list-style-type: none"> – MAC and IP addresses for standup and embedded NICs – Teaming information – Link up/down traps – VLAN information 	<ul style="list-style-type: none"> – MAC Addresses for embedded NICs 	<ul style="list-style-type: none"> – MAC and IP address for embedded NICs – Link up/down traps*
Other	<ul style="list-style-type: none"> – OS information (host MIB) – iLO data – Performance data – User configurable thresholds – Logging events to OS logs – Clustering information 	<ul style="list-style-type: none"> – iLO data – Firmware inventory 	<ul style="list-style-type: none"> – iLO data – OS information (host MIB)* – Firmware inventory – Driver/Service inventory – Logging events to OS logs**

* Denotes that the data supplied by Agentless Management is not as extensive as the data supplied by the SNMP Agents.

** With iLO 4 v1.10 firmware, we've enabled AMS-based OS logging for Linux (var/message/log), Solaris, and VMware. We've included Windows in upcoming releases.

QUESTION 41

Which tool can be used to check for hardware bottlenecks?

- A. Insight remote support Advanced
- B. Insight Control Virtual machine Management
- C. Insight Control Remote Standard
- D. Insight Control Performance Management

Correct Answer: D

Explanation

Explanation/Reference:

Explanation:

HP Insight Control Software - Overview
 HP Insight Control Software - Overview http://h20565.www2.hp.com/portal/site/hpsc/template.PAGE/public/kb/docDisplay?javax.portlet.begCacheTok=com.vignette.cachetoken&javax.portlet.endCacheTok=com.vignette.cachetoken&javax.portlet.prp_ba847bafb2a2d782fcbb0710b053ce01=wsrp-navigationalState%3DdocId%253Ddemr_nac02003085-

6%257CdocLocale%253D%257CcalledBy%253D&javax.portlet.tpst=ba847bafb2a2d782fcbb0710b053ce01&ac.admitted=1401200974825.876444892.492 883150

Insight Control performance management: HP Insight Control detects, analyzes, and explains hardware bottlenecks on HP servers (HP Insight Control does not require Integrity servers to be licensed in order to provide the performance management functionality for Integrity servers). Maximizing system performance with HP Insight Control performance management Maximizing system performance with HP Insight Control performance management http://h20566.www2.hp.com/portal/site/hpsc/template.BINARYPORTLET/public/kb/docDisplay/resource.process/?spf_p.tpst=kbDocDisplay_ws_BI&spf_p.rid_kbDocDisplay=docDisplayResURL&javax.portlet.begCacheTok=com.vignette.cachetoken&spf_p.rst_kbDocDisplay=wsrp-resourceState%3DdocId%253Demr_na-c03294484-1%257CdocLocale%253D&javax.portlet.endCacheTok=com.vignette.cachetoken

253D&javax.portlet.tpst=ba847bafb2a2d782fcbb0710b053ce01&ac.admitted=1401200974825.876444892.492 883150

QUESTION 42

You are installing HP Insight Control for Microsoft system Center on a customer site. Which component should you install to allow....

- A. HP Server Updates Catalog
- B. HP Proliant Server Management pack
- C. HP Proliant Agentless Management pack
- D. HP Hardware Inventory Toolkit

Correct Answer: A

Explanation

Explanation/Reference:

QUESTION 43

You are installing HP insight Control for Microsoft system Center on a customer site. You want to be able to use System Center Configuration Manager to install HP ProLiant drivers and firmwares using a rules based model.

Which component should be installed?

- A. HP Proliant Pro Management Kit
- B. HP Proliant Update Catalog
- C. HP Proliant OS deployment Toolkit
- D. HP Proliant Agent less Management Kit

Correct Answer: B

Explanation

Explanation/Reference:

Explanation:

HP ProLiant Server Updates Catalog for System Center <http://www8.hp.com/us/en/products/server-software/product-detail.html?oid=3891444#!tab=features>

Need to update your ProLiant servers with the latest drivers and firmware? The HP ProLiant Updates Catalog for Microsoft System Center enables IT administrators to use Microsoft Systems Center Configuration Manager (SCCM) and System Center Virtual Machine Manager (SCVMM) to automatically manage and distribute HP ProLiant server software and firmware from the HP Service Pack for ProLiant (SPP).

QUESTION 44

HP Proliant Gen8 servers monitored by insight Remote Support 7.0 can be configured to displayed on Insight Online

What is required....?

- A. HP Mission critical Services must be purchased

- B. Enter HP User ID and Password in Insight Remote Support
- C. HP support Plus 24 Services must be purchased
- D. Firewall bypass agents must be installed

Correct Answer: B
Explanation

Explanation/Reference:

QUESTION 45

An admin has a new HP Proliant Gen8 server and is eager to try out agentless management.

Where is this feature activated?

- A. System Management Homepage
- B. iLO
- C. System Insight Manager
- D. insight Online

Correct Answer: B
Explanation

Explanation/Reference:

QUESTION 46

Which Smart Array Advanced Pack 2.0 features are embedded in the firmware of the HP Smart Array P421 Controller? (Choose Three)

- A. Hot Spare
- B. RAID 6 (ADG)
- C. RAID level of stripe size migration
- D. Performance optimization for video on demand
- E. RAID 6
- F. Mirror Splitting and Recombining in Offline Mode

Correct Answer: BDF
Explanation

Explanation/Reference:

Explanation:

See --> HP Smart Array Advanced Pack

<http://h18004.www1.hp.com/products/servers/proliantstorage/arraycontrollers/smartarray-advanced/>

See Product Bulletin

NOTE: HP Smart Array Advanced Pack (SAAP 2.0) is no longer required to enable RAID 6 & 60 (Advanced Data Guarding). However, controller must be in firmware version 4.68 (or later).

QUESTION 47

HP Proliant Gen8 servers monitored by remote support 7.0 can be configured to be displayed on Insight Online.

What is required to activate this feature?

- A. HP support plus 24 services must be purchased
- B. Firewall bypass agents must be installed
- C. HP mission critical services must be purchased
- D. Enter the HP user ID and password in Insight Remoter Support

Correct Answer: D

Explanation

Explanation/Reference:

QUESTION 48

In HP Systems Insight Manager version 7 and beyond, which new tools can be used for baselining?
(Select two)

- A. Track software and firmware versions
- B. Manage software and firmware baselines
- C. Manage hardware and software versions
- D. Track hardware and software baselines
- E. Track driver and firmware baselines

Correct Answer: AB

Explanation

Explanation/Reference:

QUESTION 49

When viewing the iLO 4 subsystems and devices tab, no system health information shows up for an HP Proliant Gen8 server.

What could be the cause?

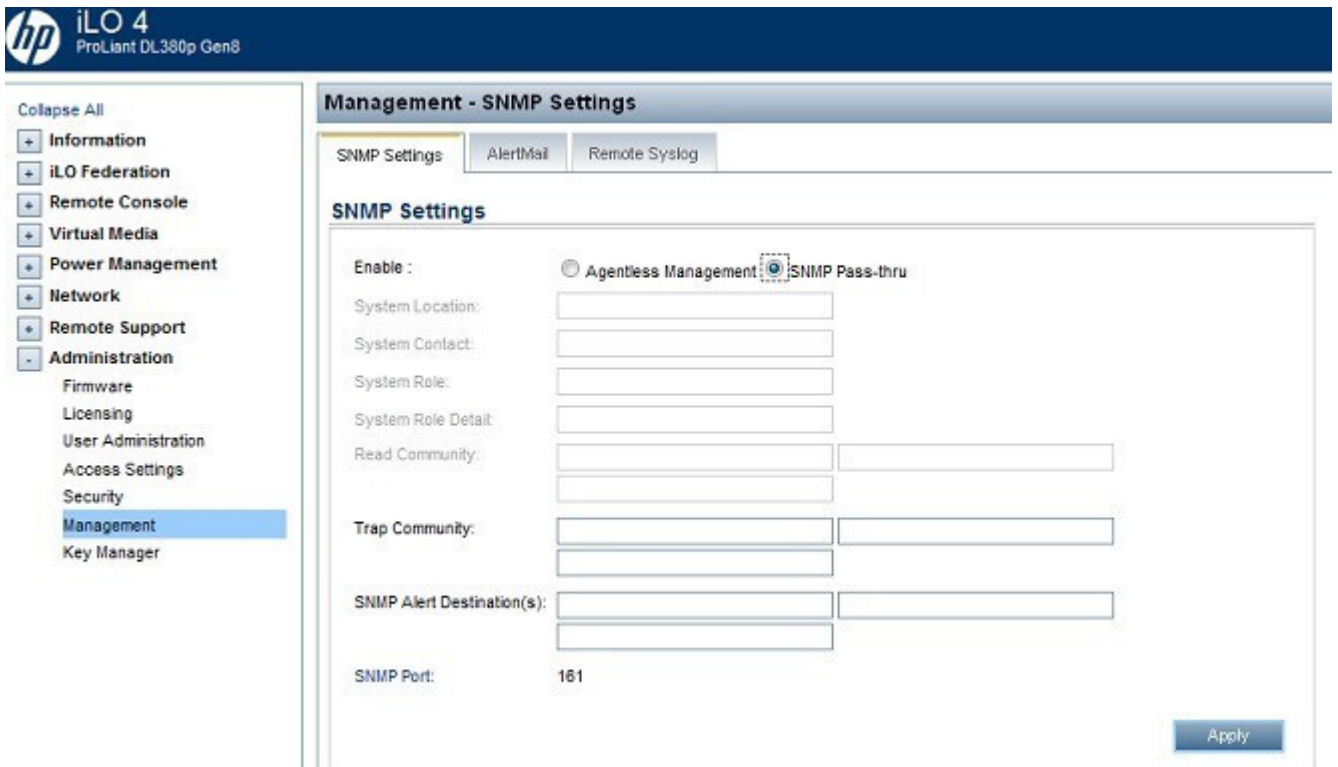
- A. The Agentless management service is disabled
- B. The SNMP pass-thru radio button is selected
- C. The active health system log is disable
- D. Agentless management is disabled in the bios

Correct Answer: B

Explanation

Explanation/Reference:

Explanation:



QUESTION 50

When adding an agentless server in the HP device management console (DMC), which information must be specified? (Select two)

- A. IP address or DNS fully-qualified name of the server
- B. WBEM login credentials
- C. IP address or DNS fully-qualified name of the iLO
- D. SNMP community string
- E. Onboard administrator login credentials

Correct Answer: CD

Explanation

Explanation/Reference:

QUESTION 51

Which new feature in HP proliant Gen8 servers collects periodic performance data from the smart array controller?

- A. Intelligent provisioning
- B. Active health system
- C. Option ROM configuration
- D. Array diagnostics utility

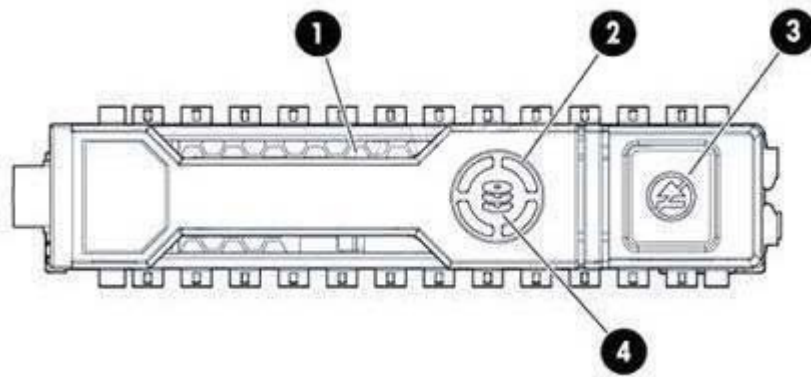
Correct Answer: B

Explanation

Explanation/Reference:

QUESTION 52

Referring to the exhibit shown, which LED on HP Proliant Gen8 hard disks identifies fault or failed?



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

Correct Answer: D
Explanation

Explanation/Reference:
 Explanation:
 Drive has failed.



QUESTION 53

When viewing the active health system log in an HP Proliant Gen8 server, what provides information on driver versions?

- A. Agent Management Service
- B. RBSU
- C. Agentless Management
- D. SNMP

Correct Answer: D
Explanation

Explanation/Reference:

QUESTION 54

Which feature provides a customer alert to prevent a counterfeit hard drive from getting installed in an HP Proliant Gen8 server?

- A. Drive error log NVRAM

- B. Smart carrier authentication
- C. Enhanced display
- D. Smart array advanced pack

Correct Answer: B

Explanation

Explanation/Reference:

QUESTION 55

An engineer needs to replace a memory DIMM in an HP proliant server.

Which precautions must be taken? (Select two)

- A. Ensure that the relative humidity level is below 30%
- B. Use an ESD wrist strap
- C. Touch the chassis ground, holding the DIMM to ensure it is grounded
- D. Remove the server from the data center and bring it into the office environment for the replacement
- E. Use an ESD mat

Correct Answer: BE

Explanation

Explanation/Reference:

QUESTION 56

A customer has two logical drives (logical drive 1 and logical drive 2) configured on a smart array controller.

The customer wants optimize logical drive 2 for database information Which option should you propose?

- A. Configure the monitor and performance delay to 1
- B. Increase the rebuild priority to high for logical drive 1 and low for logical drive 2
- C. Disable the array accelerator for logical drive 1 to reserve the total use of the array accelerator cache for logical drive 2
- D. Configure the surface scan delay to 3

Correct Answer: C

Explanation

Explanation/Reference:

QUESTION 57

A customer purchased many HP DL380 Gen8 servers. The customer wants to monitor the power load per server and control the load balance at the data center level.

Which product should the customer select?

- A. iPDU core
- B. IPDU and Extension Bar
- C. Monitored PDU and Extension Bar
- D. Monitored PDU

Correct Answer: B

Explanation

Explanation/Reference:

QUESTION 58

An administrator installed a new DDR3 memory in a server and discovered that the server contained quadrank, dual-rank and single rank memory modules.

What should you recommend?

- A. Replace all memory modules so that they are the same load.
- B. Populate similar-load memory modules within the same memory channel.
- C. Populate the memory modules from the heaviest load to the lightest load within a channel.
- D. Populate similar-load memory modules within the same memory controller.

Correct Answer: C

Explanation

Explanation/Reference:

Explanation:

HP Product Bulletin DL380p Gen8 Chapter Memory: Do not mix RDIMMs, LRDIMMs, and UDIMMs

See HP Product Bulletin --> Populate DIMMs from heaviest load (quad-rank) to lightest load (single-rank) within a channel.

Heaviest load (DIMM with most ranks) within a channel goes furthest from the processor

QUESTION 59

A customer wants to use a Graphic Processing Unit (GPU) in a server and needs 12 internal hot- plug drives to meet application performance requirements.

Which HP server model should you recommend?

- A. DL360 G7
- B. SL390 G7
- C. DL380 Gen8
- D. SL230 Gen8

Correct Answer: C

Explanation

Explanation/Reference:

QUESTION 60

Which HP DL160 Gen8 server component is redundant?

- A. Fans
- B. Power supplies
- C. Processors
- D. I/O slots

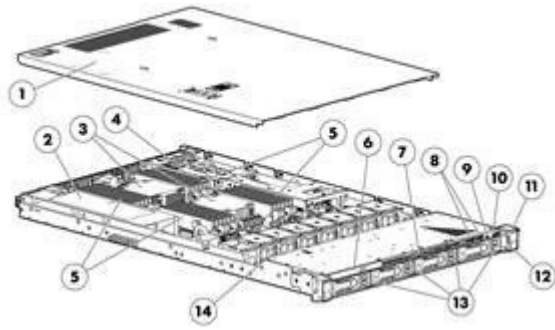
Correct Answer: A

Explanation

Explanation/Reference:

Explanation:

From Product Bulletin:



14. Up to seven Non hot plug redundant Fans.

A customer wants to enable HP Integrated-Lights-Out (iLO) security on a DL380p Gen8 server.

Which HP resource should you use to verify the corresponding system maintenance switch?

- A. HP Insight-Lights-Out Security Bulletin
- B. HP Proliant Management User Guide
- C. HP Proliant DL380p Gen8 User Guide
- D. HP Proliant DL380p Gen8 QuickSpecs

Answer: C

QUESTION 61

Which functionalities are provided when HP Insight online is used as a standalone version without Remote Support? (2)

- A. Viewing service credit balances
- B. Monitoring and managing HP contracts and warranties
- C. Automated device discovery in HP Support Center
- D. Tracking assets and viewing device configurations

Correct Answer: AB

Explanation

Explanation/Reference:

QUESTION 62

You connect a DL380 Gen8 server with redundant power supplies to its power source. How many different power circuits do you need?

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

Correct Answer: B

Explanation

Explanation/Reference:

QUESTION 63

Which Source Media Types are supported in Intelligent Provisioning? (Select four)

- A. Disc
- B. USB 3.0

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