

HP0-S35 - Implementing HP BladeSystem Solutions

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HP0-S35 - Implementing HP BladeSystem Solutions

206 Questions

Exam A

QUESTION 1

Which HP storage systems are built on the HP ProLiant server platform? (Select two)

- A. P2000 G3 Modular Smart Array System
- B. P4000 G2 LeftHand SAN solution
- C. P6000 Enterprise Virtual Array
- D. StoreOnce D2D 2504i Backup System
- E. P10000 3PAR Storage System

Correct Answer: BD

Section: (none)

Explanation

Explanation/Reference:

Explanation:

QUESTION 2

Before upgrading to a different Fiber Channel interconnect on a c3000 enclosure, which firmware revision level compatibility should you check?

- A. CNA
- B. FNA
- C. HBA
- D. IML

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

Explanation: Must be an HBA... Cannot be a CNA as the HP Virtual Connect FlexFabric 10Gb/24-port Module for c-Class BladeSystem is not compatible with the c3000 enclosure

http://h18004.www1.hp.com/products/quickspecs/12790_div/12790_div.HTML

QUESTION 3

During the initial set of an HP ProLiant Gen8 server using Agentless Management, where should you configure the SNMP Alert Destination?

- A. System Management Homepage

- B. RBSU
- C. iLO interface
- D. System Insight Manager

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

Explanation:

QUESTION 4

Which HP tool allows you to assign a spare drive to an array on an HP Smart Array controller that is already configured?

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

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

Explanation:

QUESTION 5

In administrator is configuration a Server Deployment environment. What is the name of the unattended text file of the Windows 2008 installation?

- A. autoexec.bat
- B. unattend.xml
- C. kickstart.file
- D. unattend.txt

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

Explanation: <http://technet.microsoft.com/en-us/library/cc721929%28WS.10%29.aspx>

QUESTION 6

A customer reports a large, abrupt decrease in SQL performance. What are the probable causes? (Select two.)

- A. SmartArray cache and battery
- B. disk defragmentation
- C. incorrect disk block size
- D. page file usage
- E. addition of a new user

Correct Answer: AD

Section: (none)

Explanation

Explanation/Reference:

Explanation:

QUESTION 7

Which HP tool allows you to create a report of the complete firmware installed on an HP BladeSystem server?

- A. Server Migration
- B. Capacity Advisor
- C. Smart Update Manager
- D. ProLiant Support Pack

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

Explanation:

QUESTION 8

Which Onboard Administrator feature ensures that the management processor in a server bay always has the same IP address?

- A. Static Management Processor for the bay
- B. IP Bay Addressing (IPBA)
- C. DHCP MAC Filtering

D. Enclosure Bay IP Addressing (EBIPA)

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

Explanation:

QUESTION 9

A failed memory DIMM was replaced in a BL460c Gen8 Blade server. Which HP tool can be used to confirm that the failed DIMM issues has been resolved?

- A. Insight Diagnostics
- B. ORCA
- C. Survey Utility
- D. ACU

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

Explanation:

QUESTION 10

What must be configured after a BL460c Gen8 system board replacement? (Select two)

- A. system serial number into the system board
- B. Smart Array configuration
- C. iLO Management Engine customer contract information configuration
- D. multipath I/O configuration
- E. network teaming configuration

Correct Answer: AE

Section: (none)

Explanation

Explanation/Reference:

Explanation:

<http://h20000.www2.hp.com/bizsupport/TechSupport/Document.jsp?lang=en&cc=us&taskId=125&prodSeriesId=5177949&prodTypeId=3709945&prodSeriesId=5177949&objectID=c03385293>

QUESTION 11

A customer adds memory into a single processor BL460c Gen8 server. After this additional it does not POST correctly. What are possible causes? (Select two)

- A. There is no HP SmartMemory installed
- B. The memory channel has DIMMs of different speeds
- C. The memory channel has both LRDIMMs and UDIMMs
- D. DIMMs are installed where a processor is not present
- E. The memory channel has DIMMs of different voltages

Correct Answer: CD

Section: (none)

Explanation

Explanation/Reference:

Explanation: http://h18004.www1.hp.com/products/quickspecs/14208_div/14208_div.HTML

HP ProLiant BL460c Generation 8 (Gen8) Server Blade: Memory Population Rules and Guidelines:

- A minimum of one DIMM is required per processor.
- **Install DIMMs only if the corresponding processor is installed.**
- **If only one processor is installed in a two processor system, only half of the DIMM slots are available.**
- DIMM sizes can be mixed in channel. To maximize performance, it is recommended to balance the total memory capacity between all installed processors and to load the channels similarly whenever possible.
- **RDIMMs operating at either 1.35V or 1.5V may be mixed in any order, but the system will power them at the higher voltage.**
- **LRDIMM, RDIMM and UDIMMs are all distinct memory technologies and cannot be mixed within a server. The majority of ProLiant Gen8 servers support RDIMM, UDIMM and LRDIMM.**
- The Intel Xeon E5-2620 processor does not support DIMMs at 1.35V.
- **DIMMs of different speeds may be mixed in any order; the server will select a common optimal speed.**
- The maximum memory speed is a function of the memory type, memory configuration, and processor model.
- The maximum memory capacity is a function of the memory type and number of installed processors.
- HP memory from previous generation servers is not compatible with the BL460c Gen8 Server Blade.
- To realize the performance memory capabilities listed in this document, HP SmartMemory is required. For additional information, please see the HP SmartMemory QuickSpecs at: http://h18000.www1.hp.com/products/quickspecs/14225_div/14225_div.html.
- For memory population rules and additional memory guidelines, please see the BL460c Gen8 user guide at <http://www.hp.com/support>.

QUESTION 12

In an HP ProLiant Gen8 server, which additional information does Agentless Management Service Provide to the iLO Management Engine?

- A. Memory
- B. CPU
- C. Temperature
- D. Power Supply

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

QUESTION 13

All Production Systems are backed up every night at a specific time and backup is run concurrently to a locally attached tape library. which Concept does this represent?

- A. Backup Strategy
- B. Disaster Tolerance
- C. Disaster Recovery
- D. Business Continuity

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

QUESTION 14

When investigating a component failure on a Proliant G7 server, which tool is available through the iLO to help determine the cause ?

- A. Active Health System
- B. Automatic Server Recovery
- C. Integrated Management Log
- D. Insight Remote Support

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

QUESTION 15

What Happens to the iLO subsystems when upgrading the Intelligent Provisioning on a BL460c Gen8 ?

- A. Two Versions are kept until one is selected in the maintenance menu
- B. Two Versions are kept until one is selected in the maintenance menu
- C. They are left alone as a separate NAND Flash
- D. The firmware is updated if it is a lower version than the upgrade

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

Explanation:

<http://h20000.www2.hp.com/bc/docs/support/SupportManual/c03207602/c03207602.pdf> - Page 4

"Even though iLO 4 enables and disables the NAND flash partitions, HP Intelligent Provisioning is not part of the iLO 4 firmware. The NAND flash is separate from the iLO subsystem. This means, for example, that updating iLO 4 firmware will not affect HP Intelligent Provisioning and vice versa."

QUESTION 16

An HP c7000 Blade enclosure with 16 BL460c Gen8 servers has been installed. the newly installed hardware does not show in HP system Insight Manager.
what should you run to correct the Problem?

- A. Discovery
- B. Smart
- C. Data Collection
- D. SMTP

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

QUESTION 17

A customer wants to log into the onboard administrator (OA) on a c7000 but has forgotten the password. the administrator password is also missing and must be recovered.

Place the steps to do these tasks in the correct sequence.

Select and Place:

Recovering the administrator password MonkeyB'stard 2013

If the administrator password has been lost, you can reset the administrator password to the factory default that shipped on the tag with the Onboard Administrator module. The Onboard Administrator resets a lost password to Lost Password/Flash Disaster Recovery (LP/FDR) mode. To recover the password and reset the administrator password to the factory default:

First Step

Press and hold in the Onboard Administrator reset button for 5 seconds.

Second Step

To boot the system into Lost Password modem, press L. The password appears as the system reboots.

Third Step

Connect a computer to the serial port of the Active Onboard Administrator using a null-modem cable

Fourth Step

With a null-modem cable (9600 N, 8, 1, VT100), locally connect to the Onboard Administrator

Correct Answer:

Recovering the administrator password MonkeyB'stard 2013

If the administrator password has been lost, you can reset the administrator password to the factory default that shipped on the tag with the Onboard Administrator module. The Onboard Administrator resets a lost password to Lost Password/Flash Disaster Recovery (LP/FDR) mode. To recover the password and reset the administrator password to the factory default:

Connect a computer to the serial port of the Active Onboard Administrator using a null-modem cable

With a null-modem cable (9600 N, 8, 1, VT100), locally connect to the Onboard Administrator

Press and hold in the Onboard Administrator reset button for 5 seconds.

To boot the system into Lost Password modem, press L. The password appears as the system reboots.

Section: (none)
Explanation

Explanation/Reference:

Explanation:

<http://h20000.www2.hp.com/bc/docs/support/SupportManual/c00705292/c00705292.pdf> - Page 19

Recovering the administrator password

If the administrator password has been lost, you can reset the administrator password to the factory default that shipped on the tag with the Onboard Administrator module. The Onboard Administrator resets a lost password to Lost Password/Flash Disaster Recovery (LP/FDR) mode. To recover the password and reset the administrator password to the factory default:

1. Connect a computer to the serial port of the Active Onboard Administrator using a null-modem cable.
2. With a null-modem cable (9600 N, 8, 1, VT100), locally connect to the Onboard Administrator.
3. To connect to the Active Onboard Administrator, use the appropriate terminal window utility for either Microsoft® Windows® or Linux.
4. Press and hold in the Onboard Administrator reset button for 5 seconds.
5. To boot the system into Lost Password modem, press **L**. The password appears as the system reboots.

QUESTION 18

Which account used to access information about hardware events on a server when using Insight Online?

- A. Support
- B. Administrator
- C. HP Passport
- D. Guest

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

QUESTION 19

Which tool can be used to determine the lifecycle status of DAS SSD disks in an HP Proliant Blade Server?

- A. IML Viewer
- B. RBSU
- C. Post Error Log
- D. SmartSSD wear Gauge in ACU

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

QUESTION 20

What should be used to improve iSCSI performance, Especially for large Block application?

- A. A Vlan for every iSCSI path, Separating devices and LUNs
- B. Jumbo frames and switches with Large buffers
- C. Ethernet switch with minimal buffers and 1500 MTU
- D. Ethernet switches with minimal Buffers, Store, and forward enabled

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

QUESTION 21

After upgrading an existing system, a new baseline is needed. what are the options when using Version control Agent to select a managed baseline?
(Select two)

- A. iLO management Engine
- B. Systems Insight manager
- C. Proliant Support Pack
- D. Custom software baseline

Correct Answer: CD

Section: (none)

Explanation

Explanation/Reference:

QUESTION 22

A customer is running a VMware DRS cluster with vMotion enabled in a business critical production environment.

Which Step should be performed before servicing an HP server blade that is part of this cluster to avoid virtual machine downtime?

- A. Power off all virtual machines in the environment
- B. Suspend the Virtual machines on the host that needs to be serviced.
- C. Place the host that needs to be serviced in maintenance mode.
- D. Power off the server Blade before removing it from the enclosure.

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

QUESTION 23

An EBIPA is enabled for device and interconnect bays and all modules are set to use DHCP. which statement is correct?

- A. If a server is moved to another Slot, the iLO continues to use the IP address assigned from the previous slot.
- B. The interconnect bay management ports use the same EBIPA address pool as the server bay
- C. Each device on module will receive an IP address issued by the external DHCP server
- D. Each Device or module will receive an IP address issued by EBIPA.

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

QUESTION 24

When placing c7000 enclosures in a dense environment, what placement helps avoid overheating?

- A. enclosures face front to back
- B. enclosures face back to front

- C. enclosures face front to front
- D. enclosures face back to back

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

QUESTION 25

A server is running out of disk space. it has a logical disk in external storage comprised of three, 72 GB disks in a Raid 5 configuration. No drive bays are available to add disks without adding another enclosure. you decide to replace the three 72 GB disks with three, 146 GB disks. you replace each disk on at a time allowing time for data to rebuild after each drive replacement.

After creating a new logical drive in the unused space, you perform an array expansion and extension to combine the two logical disks, approximately how much space for data has ben gained through these actions?

- A. 148 GB
- B. 210 GB
- C. 292 GB
- D. 438 GB

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

QUESTION 26

What is the minimum care pack level to sell if a customer wants the cheapest out-of-business hours support?

- A. Basic
- B. Advanced
- C. Proactive
- D. Standard

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

QUESTION 27

Where can you find what exactly is included in a HP Installation Services CarePack ?

- A. CarePack Data Sheet
- B. CarePack Lookup Tool
- C. SPOCK
- D. Insight Online

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

QUESTION 28

Which tool can be used to set performance thresholds?

- A. ACU
- B. iLO Management Engine
- C. ROM-Based Setup Utility
- D. System Management Homepage

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

QUESTION 29

You are requested to install a Virtual Connect FlexFabric module that must be connected to an HP StorageWorks 8/80 Brocade San Switch. You want to ensure the Virtual Connect module is successfully connected to the switch. Which source should you check to get all the required information?

- A. HP BladeSystem Release Sets for ProLiant Management
- B. HP Virtual Connect Enterprise Manager website

- C. Brocade website
- D. Single Point of Connectivity Knowledge for HP Storage Products

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

QUESTION 30

Which additional features are brought to the ProLiant Gen8 with iLO 4? (Select all that apply)

- A. Agentless Management
- B. Active Health System
- C. Intelligent Provisioning
- D. Embedded Remote Support

Correct Answer: ABD

Section: (none)

Explanation

Explanation/Reference:

Reference:

<http://h20195.www2.hp.com/V2/GetPDF.aspx/4AA4-5167ENW.pdf>

NOT C - HP Intelligent Provisioning is NOT an iLO4 'feature'

QUESTION 31

Which protocols are affected if the iLO credentials are incorrect? (Select two)

- A. PXE
- B. TFTP
- C. WEBEM
- D. SSH

Correct Answer: CD

Section: (none)

Explanation

Explanation/Reference:

QUESTION 32

When adding a new user to HP SIM, which credentials will be set or changed outside of HP SIM?

- A. Email
- B. Domain
- C. Username
- D. Password

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

QUESTION 33

You are investigating a component failure on a Proliant Gen8. Where should you look first?

- A. Automatic Server Recovery
- B. Integrated Management Log
- C. Active Health System
- D. Insight Remote Support

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

QUESTION 34

What is called the concept of back up on a tape each night?

- A. System Recovery
- B. Business Continuity
- C. Backup Strategy

D. Replication

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

QUESTION 35

Where can you check the WWN of the blade servers that will be connected to external storage through FlexFabric?

- A. OA
- B. iLO
- C. IML
- D. ORCA

Correct Answer: AB

Section: (none)

Explanation

Explanation/Reference:

QUESTION 36

What happens when you install a G7 processor into a Gen 8 server?

- A. G7 processors are not compatible with Gen8 Servers
- B. Gen8 processors are backwardly compatible with G7 Servers
- C. G7 and Gen8 processors are interchangeable and will work in either server type
- D. You can mix and match G7 and Gen8 processors in the same server

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

QUESTION 37

In case of failure, which HP BladeSystem c7000 component is mandatory Customer-Self-Repair (CSR) and must be replaced by the customer?

- A. KVM Module
- B. Media Board
- C. Optical Drive
- D. Onboard Admin Link Module

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

Explanation:


http://h18033.www1.hp.com/support/selfrepair/ww/replace_part.asp?myinc=e011

A "✓" symbol indicates a Mandatory CSR part.

A "●" symbol indicates an Optional CSR part.

A "-" symbol indicates None or N/A.

Blade Enclosures



	Optical Drive	Media Board	Security Panels & Keys	Front Cage	Rear cage	Enclosure	Midplane Assembly & Tray	Onboard Admin & Tray	BladeSystem Admin Link Mod	Insight Display Insight Disp	Insight Display Pass Thru	AC or DC Input Interconnect	Power Supply	Active Cool Fan	Interconnect Switch	Interconnect Pass-Thru	KVM Module	SUV Cable	Hardware / Plastics Kit	Blanks	Casters	Rackmount Kit
Proliant BL Enclosures																						
c3000	✓	●	✓	-	-	-	-	●	✓	●	-	-	-	✓	✓	✓	✓	✓	✓	✓	✓	●
c7000	-	-	-	-	-	-	-	✓	-	-	-	-	✓	✓	✓	✓	✓	✓	✓	✓	-	-

QUESTION 38

Which features were added to the Hyper V role in Windows Server 2008 R2 (Select two)

- A. Failover clustering
- B. Support for up to 192 running virtual machines
- C. Second-Level Address Translation
- D. Virtual machine snapshots

E. Support for 24 logical processors

Correct Answer: CD

Section: (none)

Explanation

Explanation/Reference:

Explanation:

Reference: <http://www.virtualizationadmin.com/articles-tutorials/microsoft-hyper-v-articles/general/what-newwindows-server-2008-r2-hyper-v.html> (see second level address translation and virtual machine snapshot operation)

<http://en.wikipedia.org/wiki/Hyper-V>

QUESTION 39

What describes a single cold-aisle containment for rack placement in a data center?

- A. Racks face back to front
- B. Racks face front to back
- C. Racks face back to back
- D. Racks face front to front

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

Explanation:

QUESTION 40

Which functionality is enabled with the HP Insight Control for System Center management add-on?

- A. Deliver bare metal deployment of Hyper-V hosts with Server Automation
- B. Live migration of virtual machines between AMD and Intel processor platforms
- C. Proactively automate movement of virtual machines based on pre failure alerts from HP ProLiant servers
- D. Provides the ability to lock-step mirror virtual machines through the HP c-Class midplane

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

Explanation:

<http://h20000.www2.hp.com/bc/docs/support/SupportManual/c03020752/c03020752.pdf> From "HP Insight Control for Microsoft System Center integration overview" Document. By incorporating the Insight Control for System Center extensions, you can use the System Center consoles or the following tasks, which Figure 1 also shows:

- Bare metal OS deployment

When using the ProLiant Server OS Deployment Toolkit with SCCM, you can automatically deploy bare-metal servers from pre-deployment hardware and BIOS configuration to the post-OS driver and agent installation.

- Automated virtual machine management

When using the PRO management pack in SCVMM, you can move virtual machines either automatically or manually if a host hardware pre-failure event occurs.

QUESTION 41

Which HP PDU provides remote monitoring and has the ability to switch power on selected outlets?

- A. Modular PDU
- B. Modular PDU with optional SNMP module
- C. iPDU with the Intelligent Extension Bars
- D. Monitored PDU

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

Explanation:

<http://h18004.www1.hp.com/products/servers/rackandpower/powersupplies/ipdu/index.html> Using the core and stick architecture of HP Modular PDU line, the HP Intelligent PDU provides monitoring of power consumption at the core, load segment, stick, and outlet level with unmatched precision and accuracy.

Remote management is built in and even provides power cycle ability of individual outlets on the Intelligent Extension Bars.

QUESTION 42

What is an advantage of the HP D2200sb Storage Blade?

- A. Increases available direct attached storage within a blade server
- B. Is optimized for boot from SAN environments
- C. Provides shared storage within a blade enclosure
- D. Delivers better performance than external drives

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

Reference: <http://h10010.www1.hp.com/wwpc/us/en/sm/WF05a/3709945-3709945-3710114-3722820-3722776-4304942.html?dnr=1> (see the paragraph adjacent to the image)

Overview

Do you need a direct attached or shared storage solution within your BladeSystem enclosure?

The D2200sb Storage Blade delivers direct attached storage for c-Class servers, with support for up to twelve SFF SAS hard disk drives or SAS/SATA SSDs or SATA Midline hard drives. The enclosure backplane provides a PCI Express connection to the adjacent c-Class server blade and enables high performance storage access without any additional cables. The D2200sb features the onboard Smart Array P410i controller with 1 GB flashbacked write cache, for increased performance and data protection.

Use the HP StoreVirtual VSA to turn the D2200sb into an iSCSI SAN for use by all servers in the enclosure and any server on the network. VSA includes remote replication capabilities, thin provisioning, and snapshot.

Combine the D2200sb with the HP X1800sb Network Storage Blade to enable file serving iSCSI shared storage inside the BladeSystem enclosure.

Reference: <http://h10010.www1.hp.com/wwpc/us/en/sm/WF05a/3709945-3709945-3710114-3722820-3722776-4304942.html?dnr=1> (see the paragraph adjacent to the image)

QUESTION 43

A customer is running a VMware vSphere cluster in a business critical production environment.

Which step should be performed before servicing an HP server blade?

- A. Place the host that needs to be serviced in Maintenance mode
- B. Power off the server blade before removing it from the enclosure
- C. Power off all virtual machines in the environment
- D. Suspend the virtual machines on the host that needs to be serviced

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

Explanation:

http://pubs.vmware.com/vsphere-50/index.jsp?topic=%2Fcom.vmware.vsphere.avail.doc_50%2FGUID-39731BEC-EB0C-48C9-813B-CAF9DE884FD5.html

Place a Host in Maintenance Mode

You place a host in maintenance mode when you need to service it, for example, to install more memory. A host enters or leaves maintenance mode only as the result of a user request. Virtual machines that are running on a host entering maintenance mode need to be migrated to another host (either manually or automatically by DRS) or shut down. The host is in a state of Entering Maintenance Mode until all running virtual machines are powered down or migrated to different hosts. You cannot power on virtual machines or migrate virtual machines to a host entering maintenance mode.

When no more running virtual machines are on the host, the host's icon changes to include under maintenance and the host's Summary panel indicates the new state. While in maintenance mode, the host does not allow you to deploy or power on a virtual machine.

Note

DRS does not recommend (or perform, in fully automated mode) any virtual machine migrations off of a host entering maintenance or standby mode if the vSphere HA failover level would be violated after the host enters the requested mode.

Procedure

In the vSphere Client inventory, right-click a host and select Enter Maintenance Mode. If the host is part of a partially automated or manual DRS cluster, a list of migration recommendations for virtual machines running on the host appears. If the host is part of an automated DRS cluster, virtual machines are migrated to different hosts when the host enters maintenance mode.

If applicable, click Apply Recommendations.

The host is in maintenance mode until you select Exit Maintenance Mode

QUESTION 44

Which Gen8 server feature allows a customer to choose different connectivity options for the default network interface?

- A. FlexNIC
- B. Flex-10
- C. FlexLOM
- D. FlexFabric

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

Reference: <http://h30507.www3.hp.com/t5/Coffee-Coaching-HP-and-Microsoft/HP-FlexibleLOM-for-Gen8/ba-p/108515> (second paragraph)

Now with many ProLiant Gen8 servers, our customers can now choose the type of network adapter they want.

This new Flexible LOM provides our customer the ability to customize their server's networking of today and the ability to change to meet future needs

without overhauling server infrastructure.

QUESTION 45

What is the minimum number of CPU sockets that must be populated in a BL890c i2?

- A. 1
- B. 2
- C. 4
- D. 6

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

Reference: http://h18004.www1.hp.com/products/quickspecs/13619_na/13619_na.HTML (Step 2: Choose Required Options; hp processors, see the note)

Upgradeable to eight (8) processors

NOTE: The HP Integrity BL890c i2 supports 4, 5, 6, 7, or 8 processor configurations. Processors must be identical.

QUESTION 46

During a planning session, a customer is exploring virtualization solutions and asks if there is virtualization solution that can minimize downtime in case of server failure.

Which solution meets this equipment?

- A. VMware vSphere Fault Tolerance virtual machine solution
- B. VMware vSphere DRS Cluster solution
- C. Microsoft Computer Cluster solution
- D. Microsoft Windows Server 2008 R2 cluster using majority model

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

Explanation:

D is also an acceptable answer if it allows for two choices. Because D allows for fault tolerance as well.

QUESTION 47

What must be considered when updating a secured Linux server using HP Software Manager?

- A. The Apache server must be installed on the Linux and HP Software Update Manager servers
- B. Firewall ports of the Linux server must be set to allow the remote connection
- C. The Linux plug-in must be installed on the HP Software Update Manager server
- D. The FTP server must be enabled on the Linux server

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

Explanation:

<http://h20000.www2.hp.com/bc/docs/support/SupportManual/c01984444/c01984444.pdf> NOTE: To perform Linux deployments, a root equivalent user account must be used. SSH support must be enabled and firewall opened to enable SSH communications on remote Linux servers or HP SUM is not able to deploy updates. By default, SUSE LINUX Enterprise Server 10 and 11 block SSH support through the firewall. If SSH support has been disabled in the firewall, to enable it and open ports, use the yast2 command.

QUESTION 48

Which KVM is assigned Master Status in a cascaded configuration?

- A. KVM Console Switch
- B. HP Server Console Switch G2 with Virtual Media & CAC
- C. IP Console Switch with Virtual Media & CAC
- D. HP Server Console Switch

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

Explanation:

Changed my mind on this one as well...

Cascaded Configurations:

"An HP IP Console Switch G2 with Virtual Media & CAC can not be cascaded under a legacy Cat5 based HP Server Console Switch. "

"HP Server Console Switch G2 with Virtual Media & CAC" is still a normal switch, IP switches have higher priority From another dump:

<http://h18004.www1.hp.com/products/servers/proliantstorage/rack-options/scs/vm/index-g2.html> In cascaded environments the HP IP and Server

Console Switch G2 with Virtual Media & CAC can allow an administrator to manage up to 1024 servers across two tiers from a single console. When tiered with additional HP Server Console Switches with Virtual Media application installations and upgrades can be pushed through to any server on any of the two tiers from the top tier local console.

QUESTION 49

Which HP document provides up-to-date lists of tested drivers and firmware revisions for HP tape libraries?

- A. EBS Example Configuration Guide
- B. EBS Compatibility Matrix
- C. Library Compatibility Matrix
- D. EBS Design Guide

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

Explanation:

<http://h18006.www1.hp.com/products/storageworks/ebs/pdf/EBSMatrix-0310.pdf>

The HP StorageWorks Enterprise Backup Solution (EBS) Compatibility Matrix provides information for designing data protection solutions, including backup/restore and archiving, that scale from entry-level workgroups to enterprise-level data centers. It includes support for Direct Attach SCSI (DAS), Direct Attach Fibre (DAF), and Storage Area Network (SAN). It does not imply product availability.

Updates/changes to individual fields within the Matrix will be highlighted in bold RED. Products highlighted in yellow will be removed from the EBS Compatibility Matrix in the next release. Previous versions of the EBS Compatibility Matrix are available on the web at www.hp.com/go/ebs.

HP partners with leading application and product vendors to provide backup/restore, archiving, and data security solutions. See below for information on the Extended Solution Interoperability (ESI) and Tape Automation Compatibility (TAC) categories:

Extended Solution Interoperability (ESI): HP performs on-going interoperability and extensive solution testing with these applications to provide fully certified and supported data protection solutions that include HP tape libraries, autoloaders, disk backup systems, and virtual library systems. Extensive solution details including operating system details, host bus adapter and driver information, SAN infrastructure, and extended tape library feature support can be found throughout this document.

Tape Automation Compatibility (TAC): These products are verified for compatibility with HP tape libraries, autoloaders, disk backup systems, and virtual library systems. Consult the product compatibility guide(s) for additional support details such as product version information, driver details, firmware revisions, patch levels, etc.

This document shows compatibility for SAN media servers. A SAN media server is defined as a server with direct access to backup devices. Other operating systems may be supported within EBS by the respective ISVs as LAN clients, where a LAN client does not have direct access to the backup device but is backed up over a LAN connection to a server with devices highlighted in yellow direct access to backup devices.

"Pass Any Exam. Any Time." - www.lead2pass.com/hp0-s35.html 24 HP HP0-S35 Exam

QUESTION 50

Which action must be performed when adding a processor to an HP ProLiant BL460c server?

- A. Upgrade the firmware on the Smart Array Controller
- B. Add additional memory to Processor one.
- C. Confirm voltage rating on the memory DIMMs
- D. Verify and update system ROM if needed

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

Explanation:

<http://bizsupport2.austin.hp.com/bc/docs/support/SupportManual/c03231397/c03231397.pdf> Update the system ROM.

Locate and download the latest ROM version from the HP website (<http://www.hp.com/support>). Follow the instructions on the website to update the system ROM.

QUESTION 51

How can an administrator set up a default root password for Red Hat Linux installations using Server Deployment?

- A. Customize the PXE configuration file
- B. Deploy the DAgent configuration job
- C. Deploy the ProLiant configuration job
- D. Customize the kickstart file

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

Explanation:

<http://bizsupport1.austin.hp.com/bc/docs/support/SupportManual/c02048553/c02048553.pdf> page The root password is password. This password is stored as clear text in the kickstart/control file.

HP recommends changing the default root password.

QUESTION 52

The HP UPS Management Module (UPS MM) information forward through HP SIM 7.0 indicates redundancy loss of all attached devices when in Stand Alone (AS) mode.

What might be the problem?

- A. The NIC on the server has teaming enabled.
- B. The Management Module 2 is configured to Any Server.
- C. UPS is low on battery
- D. HP SIM 7.0 is supported.

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

Explanation:

<http://h30499.www3.hp.com/t5/General/R5500-UPS-Loss-of-redundant-communication/tdp/1086369>

QUESTION 53

You plan to use SysFaultMgmt as the monitor for the hardware devices on an HP Integrity BL870c i2 Server Blade running HP-UX 11i v3.

What is required for diagnostic mode?

- A. HP SIM version 7 agents must be configured.
- B. A trusted SSL connection to the HP SIM server is needed.
- C. Event Monitoring System must be shut down.
- D. CIM Provider SFM monitor must be installed.

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

Explanation:

<https://h20392.www2.hp.com/portal/swdepot/displayInstallInfo.do?productNumber=SysFaultMgmt>

QUESTION 54

Which interface should you use to check the software status of a server configured using the version control agent?

- A. Systems Management Homepage
- B. Intelligent Provisioning Manager
- C. ROM Based Setup Utility

D. Version Control Repository Manager

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

Explanation:

QUESTION 55

How can the administrator account password and DNS settings of the HP Virtual Connect Flex 10 Ethernet Module be restored to the original factory defaults?

- A. Perform the vcutil -a resetdefault command from the Virtual Connect Support Utility
- B. Remove the I/O module from the enclosure and put maintenance switch 1 in the ON position
- C. Use the VC reset option from the Onboard Administrator GUI
- D. Switch the Virtual Connect Virtual Manager to maintenance mode and use the factory reset option

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

Explanation:

<http://bizsupport2.austin.hp.com/bc/docs/support/SupportManual/c03478426/c03478426.pdf> - Page 115

Resetting the Administrator password and DNS settings

To return the VC-Enet module to factory default settings for the Administrator password and DNS settings, you must access the system maintenance switch. For switch locations, see the appropriate module system maintenance switch information.

When the VC-Enet module system maintenance switch 1 is in the ON position, the following actions occur:

- The firmware restores the Administrator account password and DNS Settings to the factory defaults listed on the module label (without disturbing any other local user accounts).
- The VC-Enet module management console displays the Administrator account password. To access the console, see the *HP BladeSystem Onboard Administrator User Guide* (<http://h20000.www2.hp.com/bc/docs/support/SupportManual/c00705292/c00705292.pdf>).

While switch 1 is in the ON position and reserved switches are in the OFF position, passwords are restored during each power-up sequence, but changes are not allowed.

After switch 1 is returned to the OFF position, the following conditions exist:

- Users with appropriate privileges can change the Administrator password.
- The VC-Enet module management console no longer displays the Administrator password.

To recover a password:

1. Remove the Virtual Connect Ethernet module from interconnect bay 1.
2. Remove the access panel from the Virtual Connect Ethernet module.
3. Set switch 1 to the ON position. Be sure that all other switches remain in the OFF position.
4. Install the access panel.
5. Install the Virtual Connect Ethernet module into bay 1 and allow the module to power up and reach a fully booted and operational state (approximately 1 minute).
6. Remove the Virtual Connect Ethernet module from interconnect bay 2.
This action forces the module in interconnect bay 1 to run the active VC Manager. Because switch 1 is set, the Administrator password remains at the factory default for interconnect bay 1 (not overwritten by the change of state because of the failover).
7. Wait to ensure that the VC Manager has had time to become active on the module in interconnect bay 1. Log in to the VC Manager to confirm it is active.
8. Insert the Virtual Connect Ethernet module into interconnect bay 2 and allow the module to power on and reach a fully booted and operational state (approximately 1 minute).
9. Remove the Virtual Connect Ethernet module from interconnect bay 1.

QUESTION 56

A customer wants to update the SPP on five Windows 2008 R2 and five RHEL6 servers running in an HP Bladesystem C7000 chassis.

What is the fastest way to achieve this?

- A. Boot each server from the SPP DVD, using the Onboard Administrator
- B. Run the SPP on each server using the rcmd command on Windows and remote SSH script on RHEL
- C. Update all targets remotely at the same time from one instance of HP Smart Update Manager from a client
- D. Update all Windows servers from one client using HP Smart Update Manager followed by all RHEL servers

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

Explanation:

<http://bizsupport2.austin.hp.com/bc/docs/support/SupportManual/c03520794/c03520794.pdf> -Page 11

Deployment scenarios

HP SUM deploys updates from a local host or one or more remote hosts. If the host running HP SUM is using Windows, you can update Windows, Linux, VMware, or HP-UX targets. You can also update remote HP ProLiant or HP Integrity iLO, OA, and VC targets.

QUESTION 57

Under Intelligent Provisioning Preferences, which options are available to update the System Software Update? (Select two)

- A. iLO 4 virtual media
- B. DVD drive
- C. FTP
- D. HP website
- E. USB drive

Correct Answer: CD

Section: (none)

Explanation

Explanation/Reference:

Reference:

<http://h20000.www2.hp.com/bc/docs/support/SupportManual/c03182305/c03182305.pdf> - Page 10

Select how you would like System Software Updates delivered.

Delivery options include:

- **HP Web Site**—HP recommends selecting this option to be prompted when updates are available and download all software updates for your server from hp.com.
- **HTTP/FTP**—When prompted, enter an address in the URL field.
- **Disable**—Select this to disable automatic updates if you plan to update your system software manually.

QUESTION 58

You discovered a group of 20 blades in HP SIM and want to correctly configure and license them from Matrix Operating Environment. How do you achieve this with one easy-to-manage task?

- A. Run Managed System Setup Wizard (MSSW) against all systems.
- B. Use HP SUM.
- C. Use an Onboard Administrator (OA) script.
- D. Run License Manager against all systems.

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

Explanation:

http://h20628.www2.hp.com/km-ext/kmcsdirect/emr_na-c03360460-2.pdf - Pages 61 - 68

9 Configuring and licensing with managed system setup wizard

The Insight managed system setup wizard (MSSW) sets up selected systems with the appropriate agents, licenses and configuration steps for the managed features you specify. If you need to modify the configuration or management features on your systems, you can re-run this wizard to make changes. You can also use the wizard to diagnose configuration issues.

⚠ WARNING! If you accidentally discover a host outside the intended licensed environment that is associated with the CMS or a VME server, MSSW requires you to license that host. Once a host is discovered and the associations to its VMs are populated in HP SIM, you cannot remove that host or those associations without also removing all the hosted VMs. If one of those VMs is your CMS, you cannot delete it.

If you are unable to remove such a host and all its associated VMs, enter `mxnode -r <host> -x force` at the command line to remove the unlicensed host and its associations from HP SIM.

NOTE: Follow the instructions in this section to configure and license all the managed systems that you have discovered. Rerun the managed system setup wizard after installing any additional hypervisors and after installing any other server blade operating systems.

Checklist

Before you begin, review the following checklist to ensure your target systems are ready to be analyzed and configured by the managed system setup wizard. Verify that:

- Target systems are fully discovered.
- Valid credentials for target systems are stored within HP SIM.
- HP SIM discovery and identification was successful for all target systems.
- Ensure hypervisor host time remains synchronized with CMS—all hypervisor hosts and their management servers must have a proper time source and remain in reasonable synchronization with the CMS. For example, each VMware ESX server has the ability to specify a set of NTP time servers. NTP protocol recommends that you use at least three distinct NTP servers.

Using managed system setup wizard

One instance of Insight managed system setup wizard can run at a time in HP SIM software.

NOTE: You must set your web browser to allow HP SIM to open pop-up windows. Otherwise, the managed system setup wizard will not be able to start in a new window.

QUESTION 59

As an administrator, you are required to monitor maximum CPU time on system processes on all nodes within your environment. What can happen when a threshold is crossed more than three consecutive times?

- A. A command runs
- B. A bottleneck is detected by displaying a Threshold Notification dialogue box.
- C. The server shuts down
- D. An error is logged

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

Explanation:

QUESTION 60

You set up an HP Integrity i2 blade running HP-UX for HP Insight Remote Support and want to test the solution. Which tool do you use to generate a test event?

- A. System Management Homepage
- B. System Fault Management
- C. WEBEM Provider
- D. Event Monitoring System

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

Explanation:

4. Click Add Protocol, enter the name of the protocol and select the type as UNIX WBEM. Click Add New Protocol.

QUESTION 61

Which HP tool can be used to upgrade the firmware of two Virtual Connect Ethernet modules at the same time?

- A. Intelligent Provisioning tool
- B. Insight Remote Support Software
- C. Smart Update Manager (HP SUM)

D. Virtual Connect Support Utility

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

Reference: http://h18004.www1.hp.com/products/quickspecs/13127_na/13127_na.pdf (page 2, Management, 9th bulleted point)

QUESTION 62

What is used to increase the logical drive size in an HP Smart Array controller installed in an HP ProLiant server?

- A. DISKPART
- B. EXPAND
- C. ACU CLI
- D. ORCA

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

Explanation: <http://www.tricksguide.com/how-to-expand-array-extend-logical-drive-raid-hp-acu.html>

QUESTION 63

In a P4000 system, which Network RAID level is required to power off the drive in the Central Management Console before removing it?

- A. RAID 0
- B. RAID 1
- C. RAID 5
- D. RAID 50

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

Explanation:

QUESTION 64

After a power failure, how long will the data be retained on the cache of an FBWC of a Smart Array Controller?

- A. 24 hours
- B. 48 hours
- C. 72 hours
- D. Indefinitely
- E. FBWC does not protect cache data with power failure

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

Explanation:

http://h18004.www1.hp.com/products/quickspecs/14228_div/14228_div.PDF

Fault Recovery

Minimizes downtime, reconstructs data, and facilitates a quick recovery from drive failure

- Recovery ROM: This feature protects the user from a firmware image corruption by storing a redundant copy of the corrupt, the controller will use the redundant firmware image and continue operating.
- On-Line Spares: There is no limit to the number of spare drives that can be installed prior to drive failure. If a failure is reconstructed automatically.
- DRAM ECC detects and corrects data bit errors.
- Battery-backed write cache upgrade provides for up to two days of battery power for data cache retention. The data auxiliary power is available during system power down.
- Flash Backed Write Cache upgrade provides indefinite data retention.

QUESTION 65

You are troubleshooting a specific problem on a Windows Server 2008 R2 need to quickly verify which Microsoft KB patches have been installed. How can you do this?

- A. RUN systeminfo at the command prompt
- B. RUN winver at the command prompt
- C. Navigate to Control Panel, click Windows Update and click Check for updates
- D. RUN msinfo32 at the command prompt

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

Explanation:

QUESTION 66

A customer recently installed an HP BL460c Gen8 server and configured agentless management from SIM v7.0. The customer is unable to configure Insight Control performance management?

What should the customer do to enable Insight Control performance management on the Gen8 server?

- A. Reinstall the Insight Control performance management utility
- B. Install the host base agent
- C. Upgrade the iLO 4 firmware
- D. Remove the server from the SIM database and rediscover it

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

Explanation:

<http://h20000.www2.hp.com/bc/docs/support/SupportManual/c03488111/c03488111.pdf> - Page 7

When to use to OS-based agents

In some cases Agentless Management is not the best choice. This section expands on the information in Table 1 using examples of cases when OS-based agents continue to be the best monitoring and reporting solution.

Monitoring performance

If you want to detect, analyze, and explain hardware performance bottlenecks on HP ProLiant servers, Insight Control performance management (ICperf) is an effective software solution to accomplish those objectives. ICperf provides the tools you need to receive proactive notification of developing bottleneck conditions, and debug existing performance issues. You can monitor performance on one or more servers and log the information to a database for later analysis or reporting, and set up proactive notification using the HP SIM notification mechanism.

HP SIM installs ICperf on the same server as the HP SIM console and requires data from specific set of OS-based agents, in this case, Insight Management Performance agents. These agents record OS hardware and software performance counters and play them back for ICperf.

QUESTION 67

Virtual Connect FlexFabric integrates seamlessly into any standard data or storage networks.
What are some key features? (Select two)

- A. The Virtual Connect FlexFabric Fiber Channel uplinks look like multiple Ethernet connection on a large server
- B. The Virtual Connect FlexFabric Fiber Channel uplinks look like multiple HBA on a large server
- C. is support Brocade's Virtual Fabric features
- D. it is compatible with all Fiber Channel switch vendor equipment (Cisco, Brocade/McData and Qlogic)

Correct Answer: CD

Section: (none)

Explanation

Explanation/Reference:

Explanation:

<http://h20000.www2.hp.com/bc/docs/support/SupportManual/c02058339/c02058339.hires.pdf> - Page 17

#32: VC-FC does not support Cisco's VSAN or Brocades Virtual Fabric features

Incorrect: Virtual Connect can support both Cisco's VSAN and Brocades Virtual Fabric solutions. The Storage Administrator can create a VC SAN Fabric with the upstream FC switch ports configured for either Dynamic WWN-based or Port-based membership.

HP Storage SPOCK (Single Point of Connectivity Knowledge for HP Storage Products)

B-Series = Brocade (McData)

C-Series = Cisco

H-Series = Qlogic

Virtual Connect Connectivity Stream

HP Virtual Connect FlexFabric 10Gb/24-Port Module for c-Class Blade System Fibre Channel Switch Support	
Switch Model	Notes
HP B-Series FC Switches	Please visit the "B-Series FC Switch Connectivity stream" from the SPOCK site to learn exactly what HP B-series switches and what versions of FOS support Virtual Connect.
HP C-Series FC Switches HP C-Series FCoE Switches	Please visit the "C-Series FC Switch Connectivity stream" and "C-Series FCoE Switch Connectivity stream" from the SPOCK site to learn exactly what HP C-series switches and what versions of SAN-OS and NX-OS support Virtual Connect.
HP H-Series FC Switches	Please visit the "H-Series FC Switch Connectivity stream" from the SPOCK site to learn exactly what HP H-series switches and what versions of the firmware support Virtual Connect.
Notes: <ul style="list-style-type: none"> – See Switch stream on SPOCK web site under Other Hardware → Switches for firmware and software details. – Refer to the SAN Design Reference Guide for supported configuration rules at: http://h18006.www1.hp.com/storage/saninfrastructure.html 	

QUESTION 68

An engineer just installed an HP UPS R12000/3 to power protect an HP BladeSystem c7000 enclosure. The engineer wants to check the UPS and the UPS Management Card firmware levels

Referring to the screenshot how can the engineer view this information?

- Correct Answer: B**
Section: (none)
Explanation

Explanation/Reference:

Explanation:

QUESTION 69

A customer with a BL620c G7 wants to add an expansion blade. Since the expansion Blade will have a half-height server in the bay above it, which additional component is needed ?

- A. A second PCI Express Mezzanine Pass-thru Card
- B. A coupler plate
- C. an additional Storage Expansion Blade
- D. a half-height blade blank

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

Explanation:

<http://h10032.www1.hp.com/ctg/Manual/c01096820.pdf>

QUESTION 70

Which benefit does an SSD drive offer over an SAS hard drive?

- A. Higher access time and lower latency
- B. Higher access time and higher latency
- C. Lower access time and higher latency
- D. Lower access time and lower latency

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

Reference: http://en.wikipedia.org/wiki/Solid-state_drive (first paragraph)

QUESTION 71

What is the maximum number of hard drives that can be installed in a D2200sb Storage Blade?

- A. 6
- B. 10
- C. 12
- D. 24

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

Explanation:

http://h18004.www1.hp.com/products/quickspecs/13714_div/13714_div.PDF

The D2200sb Storage Blade delivers direct attached storage for c-Class servers, with support for up to twelve hot plug small form factor (SFF) SAS hard disk drives or SAS/SATA SSDs or SATA Midline hard disk drives.

QUESTION 72

Which HP tool can you use to detect and analyze server hardware bottlenecks?

- A. Insight Control Virtual Machine Management
- B. Insight Control Server Deployment
- C. Insight Control Server Migration
- D. Insight Control Performance Management

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

Explanation:

Taken from

"Maximizing system performance with HP Insight Control performance management" <http://h20000.www2.hp.com/bc/docs/support/SupportManual/c03294484/c03294484.pdf> Also http://h18004.www1.hp.com/products/quickspecs/12631_div/12631_div.HTML (Insight Control Performance Management, first paragraph)

QUESTION 73

Which filesystem can be used on a Linux operating system?

- A. EXT3
- B. NTFS
- C. EVFS
- D. HFS

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

Explanation:

Source: <http://www.cyberciti.biz/faq/linux-how-to-determine-find-out-file-system-type/> Linux supports numerous file system types. For example it supports Ext2, Ext3, NFS, FA16, FAT32, NTFS, Sysfs, Procs etc. To determine the file system type or to find out what type of file systems currently mounted you need to use command called mount or df.

But question asks what CAN be used on a Linux OS.

QUESTION 74

What is the name of the core-to-core transport mechanism used in Intel XEON processors?

- A. Quick Path Interconnect
- B. Crossbar switch
- C. Hyper Transport
- D. Northbridge

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

Explanation:

The way I understand it, Crossbar is not a technology name, but a switch that assist in communication between processors, memory etc, allowing inter core & inter CPU communication. QPI, FSB & HT are all types of connections, connected to crossbar switches. All the answers are connected to crossbars, but only Intel has QPI. I would still go with QPI

[www.site.uottawa.ca/~mbolic/ceg4131/Report Crossbar switches.pdf](http://www.site.uottawa.ca/~mbolic/ceg4131/Report%20Crossbar%20switches.pdf)

A. Intel Xeon 7500 architecture

The Intel Xeon 7500 series processor architectures uses an 8 port crossbar switch which implements the Intel QuickPath Interconnect (QPI) and routing layers. The Intel QPI is point-point interconnection link developed by Intel [1] to compete with HyperTransport. Prior to using QPI the Intel architecture was using the Front Side Bus (FSB) [2] which was the bus that carried data between CPU and the memory controller(northbridge) and I/O controller

(southbridge).

The off-chip single memory controller often was the bottleneck which prevented faster CPUs from improving the overall performance of the system. Now, with crossbar implementation the microprocessor were able to integrate the northbridge on-chip for faster access As well: (Thanx MaaShar from Belgium)

<http://www.intel.com/content/www/us/en/io/quickpath-technology/quickpath-technology-general.html>

Intel® QuickPath Technology uses Intel® QuickPath Interconnect, which provides high-speed, point-to-point links inside and outside of the processor. In contrast to parallel buses, these links speed up data transfers by connecting distributed shared memory, the internal cores, the I/O hub, and other Intel® processors.

QUESTION 75

A customer bought a new HP BladeSystem c7000 enclosure with HP Flex-10 interconnect modules. Which HP BladeSystem installation and startup Service is needed to implement the network configuration of the HP Flex-10 modules?

- A. Network Infrastructure service
- B. Startup BladeSystem c-Class infrastructure service
- C. Enhanced Network service
- D. Enclosure Connectivity service

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

Reference: http://h18004.www1.hp.com/products/quickspecs/13127_div/13127_div.pdf (page 13, Enhanced service)

QUESTION 76

A customer needs many HP BladeSystem servers equipped with additional server options. The solution must be racked and cabled before delivery.

Which HP service should be recommended?

- A. Config to Order
- B. Optimized Care
- C. Rapid Deployment
- D. Factory Express

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

Reference: <http://h71028.www7.hp.com/enterprise/cache/106593-0-0-225-121.html>

QUESTION 77

You are planning the installation of a new HP BladeSystem c7000 enclosure with HP Virtual Connect Flex-10 modules. The customer expects that a Flex-10 configuration will be implemented in addition to the physical setup of the hardware

Which HP services should you recommend? (Select two)

- A. HP Startup Blade System c-Class Enhanced Network Service
- B. HP Install c-Class Connectivity Solution package
- C. HP Install c-Class Enclosure & Server Blade Service
- D. HP 3-year Next Business Day c7000 Enclosure Hardware Support
- E. HP Blade System VLAN Implementation Service

Correct Answer: AC

Section: (none)

Explanation

Explanation/Reference:

Explanation:

QUESTION 78

An engineer installs four HP Virtual Connect Flex-10 10 Gb Ethernet modules into a c7000 enclosure. What is required to enable all Ethernet NICs on all servers to have access to any Virtual Connect Ethernet module uplink port?

- A. External stacking links between the interconnects
- B. Virtual Connect Enterprise Manager license
- C. HP Insight Control central management server (CMS)
- D. Internal stacking link enablement for all modules in the Onboard Administrator interface

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

Explanation:

Reference: <http://bizsupport2.austin.hp.com/bc/docs/support/SupportManual/c03478426/c03478426.pdf> single enclosure stacking diagram

QUESTION 79

How can you access the memory DIMM Serial Presence Detect (SPD) data failure log in an HP ProLiant BL460c Gen8 server?

- A. HP Insight Diagnostics
- B. iLO Web Interface
- C. RBSU
- D. SmartStart

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

Explanation:

QUESTION 80

What is the network speed of the new iLO in ProLiant DL380p Gen8 server?

- A. Dedicated 10 Gb/s
- B. Dedicated 100 Mb/s
- C. Dedicated 1 Gb/s
- D. Shared 1 Gb/s

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

Explanation:

http://h18004.www1.hp.com/products/quickspecs/14212_div/14212_div.PDF

Interfaces

Serial	1
Video	2 (1 front, 1 back) not active simultaneously
FlexibleLOM Network Ports	Some models come standard with 4 x 1GB ports while others come with more details and options).
HP iLO Remote Management Network Port	1 Gb Dedicated
SD slot	1 Internal Secure NOTE: The SD slot is not a hot-pluggable device. Customers should not a server is powered.
USB 2.0 Ports	Up to 7 total: up to 2 front, 4 back, 1 internal

QUESTION 81

What is the fastest way to verify SAS drive firmware before installing an operating system?

- A. HP Smart Update Manager (SUM)
- B. Integrated Lights Out
- C. Firmware DVD
- D. BladeSystem Release Set

Correct Answer: B

Section: (none)

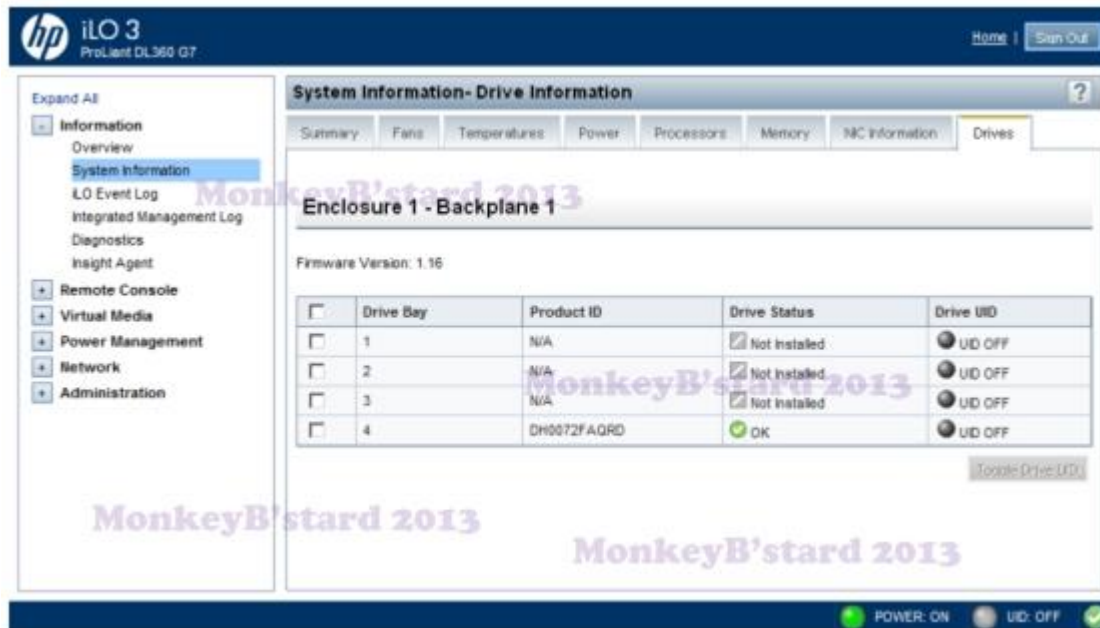
Explanation

Explanation/Reference:

Explanation:

True for iLO 3 & iLO 4...

iLO3- <http://bizsupport2.austin.hp.com/bc/docs/support/SupportManual/c02774507/c02774507.pdf> - Pages 90-91



The screenshot shows the HP iLO 3 web interface for a ProLiant DL360 G7. The left sidebar contains a navigation menu with options like Information, Overview, System Information (selected), I/O Event Log, Integrated Management Log, Diagnostics, Insight Agent, Remote Console, Virtual Media, Power Management, Network, and Administration. The main content area is titled 'System Information - Drive Information' and has tabs for Summary, Fans, Temperatures, Power, Processors, Memory, NIC Information, and Drives. The 'Drives' tab is active, showing 'Enclosure 1 - Backplane 1' with a firmware version of 1.16. Below this is a table of drive information.

<input type="checkbox"/>	Drive Bay	Product ID	Drive Status	Drive UID
<input type="checkbox"/>	1	N/A	<input checked="" type="checkbox"/> Not Installed	UID OFF
<input type="checkbox"/>	2	N/A	<input checked="" type="checkbox"/> Not Installed	UID OFF
<input type="checkbox"/>	3	N/A	<input checked="" type="checkbox"/> Not Installed	UID OFF
<input type="checkbox"/>	4	DH0072FAQRD	<input checked="" type="checkbox"/> OK	UID OFF

At the bottom of the interface, there are status indicators for POWER: ON (green light) and UID: OFF (grey light).

iLO4 - http://h20628.www2.hp.com/km-ext/kmcsdirect/emr_na-c03334051-7.pdf - Page 121-123

Expand All

Information

Overview

System Information

iLO Event Log

Integrated Management Log

Active Health System Log

Diagnostics

Location Discovery Services

Insight Agent

+ Remote Console

+ Virtual Media

- + Power Management

+ Network

+ Remote Support

+ Administration

System Information- Storage Information

Summary

Fans

Temperatures

Power

Processors

Memory

Network

Storage

Firmware

☒ Logical View ☐ Physical View

Note: This view shows configured logical drives and associated physical drives. It does not show physical drives which are not configured as part of an array, or spare drives.

[Collapse All](#)

 Controller on System Board

Controller Status	OK
Serial Number	N/A
Model	HP Dynamic Smart Array B120i RAID Controller
Firmware Version	0.02
Cache Module Status	OK
Cache Module Serial Number	N/A
Cache Module Memory	65536 KB

- Drive Enclosure Port 1I Box 1

Status	OK
Drive Bays	4
Serial Number	WQ4-WPCE
Model Number	VB0250EAVR
Firmware Version	HPG7

- Logical Drive 01

Status	 OK
Capacity	232 GB
Fault Tolerance	RAID 0

Physical Drive in Port 1I Box 1 Bay 1

Status	OK
Serial Number	00000000

QUESTION 82

What needs to be installed so that Virtual Connect Manager 3.x or later can be used?

- A. Adobe Acrobat Reader 9.0 or later
- B. Virtual Connect Enterprise manager 6.3x or later
- C. Version Control Agent 8.7x or later
- D. Adobe Flash Player 10.x or later

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

Explanation:

<http://bizsupport1.austin.hp.com/bc/docs/support/SupportManual/c02996704/c02996704.pdf> - Page 11

Virtual Connect Manager version 3.30 requires Adobe Flash Player 10.x or higher before you can log in. HP recommends updating to Adobe Flash Player 10.2 or higher.

QUESTION 83

What is the maximum number of BL680c G7 servers you can install in a c7000 rack enclosure?

- A. 4
- B. 8
- C. 12
- D. 16

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

Explanation:

http://h18004.www1.hp.com/products/quickspecs/13742_div/13742_div.PDF

Pre-Configured Models

NOTE: For the Standard Features shipped in the "Factory Integrated Models", please see the "Configuration Information - Factory Integrated Models" section.

NOTE: Not all models are available in all regions. Check with your local country HP offices for availability.

HP ProLiant BL680c G7 E7-4860 2P 64GB-R Server 643780-B21	Processor(s) One of the following depending on Model	(2) Intel® Xeon® E7-4860 (2.26GHz/10-core/24MB, 6.40GT/s QPI, 130W) (2) Intel® Xeon® E7-4850 (2.00GHz/10-core/24MB, 6.40GT/s QPI, 130W) (2) Intel® Xeon® E7-4830 (2.13GHz/8-core/24MB, 6.40GT/s QPI, 105W)
HP ProLiant BL680c G7 E7-4850 2P 64GB-R Server 643781-B21	Cache Memory Memory	24MB L3 cache 64GB (8 x 8GB) DDR3-1333 RDIMMs (operating up to 1066MHz) NOTE: Total 64 DIMM slots.
HP ProLiant BL680c G7 E7-4830 2P 64GB-R Server 643782-B21	Network Controllers Storage Controller	Six (6) integrated HP NC553i 10Gb FlexFabric adapter ports supporting 10Gb offload engine, hardware-based accelerated iSCSI, and iSCSI boot One (1) 10/100 network adapter port dedicated to iLO 3 Management Integrated SAS version 2.0 (6Gb) HP Smart Array P410i Controller with RAID controller NOTE: The P410i is configured with no cache allowing the end user to select the first place). This provides RAID 0, 1 and 1+0 in the standard configuration. See the "Optional Upgrades" section for P410i options. NOTE: RAID 0, 1, and 1+0 are supported on the P410i without the need for battery cache options. Four (4) slots for battery cache options. NOTE: The server supports up to a combined total of four (4) battery cache controllers.
	Hard Drives Internal Storage Optical Drive Form Factor	No drives included; supports up to four (4) hot-plug SFF SAS/SATA/SSD SAS: 4.8TB; SATA: 4.0TB; SAS SSD: 3.2TB; SATA SSD: 1.6TB None
	Form Factor	Up to 2 blades in the HP BladeSystem c3000 enclosure Up to 4 blades in the HP BladeSystem c7000 enclosure
		Full height, double wide server blade that plugs into the HP BladeSystem enclosure

QUESTION 84

What describes hot-aisle containment for rack placement in a data center?

- A. Two rows are positioned front to front
- B. Two rows are positioned front to back
- C. Two rows are positioned back to back
- D. Two rows are positioned back to front

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

Explanation:

QUESTION 85

A customer is interested in an HP Installation and Startup Service for a new HP BladeSystem c-Class environment. Which HP resource can you use to identify included services?

- A. Installation and Startup Services Data Sheet
- B. CarePack Lookup Tool
- C. Business Service and Support Center
- D. Active Answers

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

Explanation:

I do NOT think it is the CarePack Lookup Tool - The CLT provides information on which CarePack services are available for a given hardware part number... When you select a service level in the CLT it then references the relevant Installation and Startup Services Data Sheet and it's the data sheets that identify what services are included...

http://h20345.www2.hp.com/NR/ronlyres/F18D34DA-6836-47B7-BB5E-313E8CD39A08/0/SvcDesc_INHW_INBC.pdf

<http://h20195.www2.hp.com/V2/GetPDF.aspx/4AA0-5964ENW.pdf>

QUESTION 86

You are configuring HP Integrity Virtual Machines on an HP Integrity BL8x0c i2 blade server system based on the Intel Itanium processor 9300 series. You plan to use the default 10 Gb Ethernet adapters with jumbo frame support. Which memory sizing rule must be used for the HP- UX guest OS?

- A. The memory required for the 10 GbE adapter is not enough to require consideration
- B. Use the maximum I/O per second multiplied by the total virtual machine memory allocated
- C. Minimum memory size is based on CPU allocations

D. Add an additional 1 GB of memory per 10 GbE networks port

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

Explanation:

<http://bizsupport2.austin.hp.com/bc/docs/support/SupportManual/c02157777/c02157777.pdf> - Pages 12 & 13

For most Integrity systems, the memory required for I/O adapters is negligible. One exception is the HP Integrity BL8x0c i2 Server Blade system – based on the Intel Itanium processor 9300 series. The 10GbE (10GigE) network ports on BL8x0c i2 server blades require an additional 500MB of memory **per 10GbE network port** when they are configured for Flex10 or jumbo frames. If these ports have both Flex10 and jumbo frames enabled, then the additional memory requirement is 1GB **per 10GbE network port**. Refer to latest memory subsystem documentation for changes to these requirements. MonkeyB'stard 2013

QUESTION 87

Which services does HP offer to help you review current firmware levels and develop an appropriate management strategy? (Select two)

- A. HP BladeSystem Firmware and Driver Update Process Review
- B. HP Startup BladeSystem c-Class Enhanced Networks Service
- C. HP Startup BladeSystem c-Class Infrastructure Service
- D. HP BladeSystem Release Set
- E. HP BladeSystem Firmware and Driver Gap Analysis

Correct Answer: AE

Section: (none)

Explanation

Explanation/Reference:

Explanation:

<http://h20000.www2.hp.com/bc/docs/support/SupportManual/c02225412/c02225412.pdf> - Page 8

HP Firmware Management Services overview

HP firmware management tools and the HP CloudSystem Matrix Compatibility enable you to apply updates with minimal research or interaction.

However, in many environments it is prudent to have an update strategy that considers the significance of the systems and applications, the company's preference for stability versus innovation, and the sensitivity to downtime. HP offers the following fee-based services to help you review the current firmware, software, and driver levels and develop an appropriate management strategy:

- HP BladeSystem Firmware and Driver Gap Analysis
- HP BladeSystem Firmware and Driver Update Process Review

QUESTION 88

An engineer is installing ESXi 4.1 on an HP ProLiant G7 server using media obtained from VMware. What does the engineer use to install the latest HP Common Information Model (CIM) Provides, HP Integrated Lights-Out (iLO) drives and HP Compaq ROM Utility (CRU) drives?

- A. HP ESXi offline Bundle
- B. ProLiant Support Pack
- C. HP Download Manager
- D. Services Pack for ProLiant

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

Explanation:

QUESTION 89

What should you do before replacing a drive in a HP P4000 hot-swap storage system?

- A. Remove and replace the drive since it is a hot-swap storage system and a drive can be replaced safely anytime
- B. Power-off the drive before you remove and replace it
- C. Check the Safe to Remove status from the CMC to verify that the drive can be removed
- D. Back up all the data of the RAID configured with the drive to be replaced

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

Explanation:

<http://bizsupport1.austin.hp.com/bc/docs/support/SupportManual/c03035314/c03035314.pdf> - Page 46

Replace the disk

You may remove and replace a disk from these hot-swap storage systems after checking that the Safe to Remove status indicates "Yes" for the drive to be replaced.



Disk	Status	Health	Safe to Remove	Model	Serial Number	Class	Capacity
0	inactive	normal	Yes	COMPAQ B...	D210F2SK	SCSI 320MB	33.92 GB
1	inactive	normal	Yes	COMPAQ B...	D212X4CK	SCSI 320MB	33.92 GB
2	inactive	normal	Yes	COMPAQ B...	3KT0M8550...	SCSI 320MB	33.92 GB
3	inactive	normal	Yes	COMPAQ B...	D210AH6K	SCSI 320MB	33.92 GB
4	Off or removed	-----	Yes	-----	-----	-----	0.00 GB
5	inactive	normal	Yes	COMPAQ B...	D2106K3K	SCSI 320MB	33.92 GB

QUESTION 90

You configured HP SIM to send email alerts if a system crashes in a LAN/WAN environment. You occasionally receive email alerts with false notification of an unreachable system, even if the system has been up and running without any crash or hang.

What should you do first to correct the problem?

- A. Reboot the server and apply the latest Windows and HP patches
- B. Customize the Retries value from 1 to 5
- C. Customize the Timeout and Retries values for that specific
- D. Customize the Timeout and Retries values on the Discovery page

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

Explanation:

QUESTION 91

You are at a customer's site configuring two c3000 enclosure with Flex10 modules. Both enclosure are in the same room and will be hooked up to the same network switchies. The customer does not plan to use Multi Enclosure Stacking, and does not have a Virtual Connect Enterprise Manager License To configure the Virtual Connect domains, what should you do regarding the MAC address ranges?

- A. Set up the enclosure link and configure one range for both enclosure
- B. Use a different range for each enclosure to avoid duplicate MAC addresses
- C. Use a predefined range for one enclosure and manually define the second enclosure
- D. Use the same range or each enclosure to simplify management

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

Reference:

Multi-Enclosure Stacking is **NOT** supported on the c3000 Enclosure...

<http://h20000.www2.hp.com/bc/docs/support/SupportManual/c02102153/c02102153.pdf> - Page 3

Conversely, here are some reasons why you could not or would not want to use Multi-Enclosure Stacking:

- If you are using c3000 enclosures
- If the enclosure you are considering to be the base enclosure has Virtual Connect 1/10Gb modules running Virtual Connect Manager
- If you want to maintain different VC firmware versions across the enclosures
- If not all OA and VC modules are on the same network/IP subnet
- If many VC faceplate ports are used for uplinks and you do not have enough available ports to form a recommended stacking configuration
- If all the OA modules do not have common login credentials with administrator privileges
- If you cannot or do not want to have identical FC or FCoE uplink ports across all enclosures
- If you want to use DirectAttach FC fabrics (connecting Virtual Connect directly to a Storage Array without going through a FC switch) because moving across enclosures a server profile with Boot from SAN settings would require some manual adjustments (the target controller WWN would change)

QUESTION 92

An HP Integrity BL870ci2 Blade Server running HP-UX 11u v3 incurs more cache errors from a processor than the threshold allows. Which statement is correct concerning the deallocation of that processor by Dynamic Processor Resilience Technology?

- A. it will be deactivated immediately and flagged using the serial number to be deallocated at the next reboot
- B. it will be deactivated immediately, using Automatic Process Recovery (ARP) to kill all processes on that processor
- C. it will be deactivated only if there is an iCAP processor available to replace the failed one
- D. it will be deactivated after all processes complete however no new processes will be allowed on that processor beginning immediately

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

Explanation:

https://h10139.www1.hp.com/h41111/rfg_formprocessor/hp_ess_ngmc/es/es/pdf/4AA2-0982ENW_RAS%20Features.pdf - Page 5

Dynamic Processor Resiliency

The flagship processor RAS feature for Integrity servers is HP's Dynamic Processor Resiliency (DPR). DPR is a set of error monitors that will flag a processor as degraded when it has experienced a certain number of correctable errors over a specific time period. These thresholds help identify processor modules which are likely to cause uncorrectable errors in the future that can panic the OS and bring the system or partition down. DPR effectively "idles" these suspect CPUs (deallocate), and marks those CPUs to not be used (deconfigured) on the next reboot cycle.

QUESTION 93

Which statements are correct about HP SmartDrive carrier authentication? (Select two)

- A. Drive status LEDs can only be active on authenticated drives
- B. SmartDrive carrier authentication encrypts the data on the drive
- C. Drives failing authentication will not work and will be put into locked mode
- D. Data path is accessible only on authentication drives
- E. Data path will continue to work on non-authentication drives

Correct Answer: AE

Section: (none)

Explanation

Explanation/Reference:

Explanation:

<http://h20000.www2.hp.com/bc/docs/support/SupportManual/c03326739/c03326739.pdf> - Page 19

HP Dynamic Smart Array RAID controllers support drive LED illumination only on systems with backplane support for drive LEDs.

In addition, HP Dynamic Smart Array RAID controllers support HP Smart Carrier LED illumination. However, LED functionality is provided only if the drives are authenticated through HP Smart Carrier.

QUESTION 94

Which HP tool is provided at no cost as part of HP Systems Insight Manager?

- A. Insight Dynamics
- B. Insight Remote Support Advanced
- C. Insight Control for System Center

D. Insight Orchestration

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

Explanation:

QUESTION 95

While analyzing a customer's business requirements, you learn that they would like to consolidate their interconnect equipment and allocate network bandwidth based on application requirements. Which interconnect technology should you recommend?

- A. HP GBE2c Layer 2/3 Ethernet Blade Switch
- B. HP InfiniBand interconnect
- C. HP Virtual Connect Flex-10
- D. HP Virtual Connect 6120 Blade
- E. HP 6120XG Blade Switch

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

Explanation:

QUESTION 96

A customer wants an HP Care Pack to provides extended business hour support for hardware and software?

- A. Tech Support
- B. Optimized Care
- C. Proactive Select
- D. Basic Care

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

Explanation:

QUESTION 97

Two Virtual Connect FlexFabric modules are installed in a new HP BladeSystem c7000 solution. Virtual Connect Manager reports the domain as degraded and the stacking links failed.

What should be done to correct the problem?

- A. Install Virtual Connect Enterprise Manager
- B. Manually create the stacking links using Virtual Connect Manager
- C. Use the Onboard Administrator to pair the Virtual Connect Modules with each other
- D. Remove the SFPs from x7 and x8 each Virtual Connect Modules

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

Explanation:

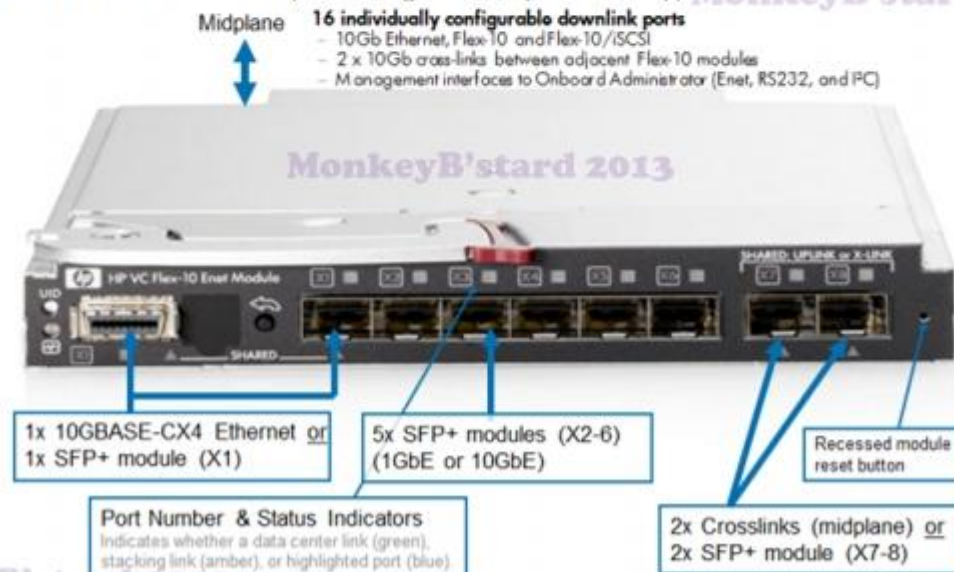
<http://h20000.www2.hp.com/bc/docs/support/SupportManual/c02616817/c02616817.pdf> - Page 8

Virtual connect Flex-10 Uplink Port Mappings

It is important to note how the external uplink ports on the Flex-10 module are configured. The graphic below outlines the type and speed each port can be configured as.

- Ports X1 – X8; Can be configured as 1Gb or 10Gb Ethernet
- Ports X7 – X8; Are also shared as internal cross connect and should not be used for external connections, at the very least one horizontal stacking link is required, if modules are in adjacent bays.
- Uplink Ports X1-X8 support 0.5–7m length DAC as stacking or uplink
- The CX-4 connection is shared with port X1, only one of these connections, either the CX-4 or SFP+ X1, can be used at a time.

Figure 1 - Flex-10 Module port configuration, speeds and types



QUESTION 98

Which Onboard Administrator features enables a range of dynamic IP addresses to be provided to the interconnect modules?

- A. Static Table
- B. DHCP
- C. DNS

D. EBIPA

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

Explanation:

QUESTION 99

When installing a Modular Cooling System (MCS) G2, which safety considerations must be implemented? (Select two)

- A. Install the MCS G2 free of the adjacent racks
- B. Plug the power supply cables for the MCS G2 in grounded sockets
- C. Verify the maximum water pressure in the MCS G2 does not exceed 0.4 bar (6 PSI)
- D. Use aluminum piping for the water supply
- E. Attach the MCS G2 rack to the grounding system
- F. Verify the temperature inside the MCS G2 does not exceed 20 degrees Celsius (68 Fahrenheit)

Correct Answer: BE

Section: (none)

Explanation

Explanation/Reference:

Explanation:

<http://h10032.www1.hp.com/ctg/Manual/c02776624.pdf> - Page 20

NOT A - <http://h10032.www1.hp.com/ctg/Manual/c02776624.pdf> - Page 8

The HP MCS G2 offers an incremental data center cooling solution that is capable of cooling 35 kW of heat from one IT rack or two IT racks. The two basic ways to deploy the HP MCS G2 are as a standalone unit or to place it in a row adjacent to other HP MCS G2 units or standard equipment racks.

NOT C - <http://h10032.www1.hp.com/ctg/Manual/c01363784.pdf> - Page 7

The HP Modular Cooling System G2 is tested to the maximum pressure (PS) of 8 bar (116 PSI) without fluid trapped inside by closed, external valves.

NOT D - <http://h10032.www1.hp.com/ctg/Manual/c02776624.pdf> - Page 42

Plumbing materials to avoid

The following materials should not be used with a closed water system:

- Oxidizing biocides
- Aluminum components
- High zinc/brass components
- Non-stainless steel iron components

NOT F - <http://h10032.www1.hp.com/ctg/Manual/c02776624.pdf> - Page 38

The charts in figures 27 and 28 offer a guideline for determining the approximate amount of heat that can be removed from HP MCS G2 single and dual rack configurations based on 20°C (68°F) and 25°C (77°F) server intake air temperatures (in degrees Celsius) and flow rates (in liters per minute [lpm] or gallons per minute [gpm]) being delivered to the unit.

QUESTION 100

Match each technology to its description.

Select and Place:

Match each technology to its description

Online Spare Memory

Reliably identifies and verifies if loaded memory is genuine HP

HP SmartMemory

Designated a populated Channel 1 as the spare

Mirrored Memory

Protects a system's memory from double-bit faults

Double-Chip Sparing

Provides full protection against single-bit and multi-bit errors

Correct Answer:

Match each technology to its description

Online Spare Memory

Designated a populated Channel 1 as the spare

HP SmartMemory

Reliably identifies and verifies if loaded memory is genuine HP

Mirrored Memory

Provides full protection against single-bit and multi-bit errors

Double-Chip Sparing

Section: (none)

Explanation

Explanation/Reference:

QUESTION 101

Match each technology to its description.

Select and Place:

Match each technology to its description

**Enhanced MCA
Recovery**

Online deallocation of CPU's that are exhibiting an unacceptable number of correctable errors

**Soft Error Hardened
Latches**

Allows for errors that can not be corrected with the hardware to be optionally recovered by the OS

**Dynamic Processor
Resiliency**

Advanced compensation for errors in cache

**Intel Cache
Safe Technology**

Reduces the susceptibility of processes to high-energy particles

Correct Answer:

Match each technology to its description

Enhanced MCA Recovery

Allows for errors that can not be corrected with the hardware to be optionally recovered by the OS

Soft Error Hardened Latches

Reduces the susceptibility of processes to high-energy particles

Dynamic Processor Resiliency

Online deallocation of CPU's that are exhibiting an unacceptable number of correctable errors

Intel Cache Safe Technology

Section: (none)

Explanation

Explanation/Reference:

Explanation:

<http://www.intel.es/content/dam/doc/white-paper/mission-critical-computing-itanium-9300-ras-features-of-the-mission-critical-converged-infrastructure-paper.pdf>

QUESTION 102

Match each Virtual Connect term with its description.

Select and Place:

Match each Virtual Connect term with its description

Shared Uplink Set

Hot-pluggable transceiver

Virtual Connect Domain

VLAN trunk connected to a switch employing 802.1Q VLAN trunking

SFP

All stacked VC modules under the control of the same Virtual Connect Manager

Correct Answer:

Match each Virtual Connect term with its description

Shared Uplink Set

VLAN trunk connected to a switch employing 802.1Q VLAN trunking

Virtual Connect Domain

All stacked VC modules under the control of the same Virtual Connect Manager

SFP

Hot-pluggable transceiver

Section: (none)

Explanation

Explanation/Reference:

Exam B

QUESTION 1

A customer wants to move an HP blade server from one bay to another within the same Virtual Connect domain. The customer requires that the server maintains the same WWNs MACs.

What must be done to meet this requirement?

- A. Nothing needs to be done as the profile follows the server automatically to the new bay
- B. Copy the profile from the original bay to the new bay.
- C. Write the profile to the server, than move the server to the new bay.
- D. Move the profile from the original bay to the new bay.

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

Explanation:

Reference: <http://jreypo.wordpress.com/2011/01/07/hp-virtual-connect-domain-setup-%E2%80%93-part-4-server-profiles/>

QUESTION 2

Before implementing a solution, which HP tool helps facility and IT staff size power infrastructure to meet HP BladeSystem solution requirements?

- A. Facilitation Management Tool
- B. BladeSystem Power Sizer
- C. Power Regulator
- D. Power Calculator Tool
- E. Power infrastructure Sizer

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

Explanation:

<http://h71019.www7.hp.com/ActiveAnswers/cache/347628-0-0-0-121.html>

The HP BladeSystem Power Sizer assists facilities teams and IT staff in sizing their power infrastructure to meet the needs of an HP BladeSystem solution.

QUESTION 3

Which best practice can be considered when building an iSCSI network with high availability as a key deliverable?

- A. Ensure iSCSI traffic flows through the same broadcast domain as user traffic.
- B. Set iSCSI MTUs to 9000 and switch to 1500.
- C. Disable flowcontrol on the Ethernet switches.
- D. Separate iSCSI traffic from user traffic separate physical switches.

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

Explanation:

QUESTION 4

When connecting an HP BladeSystem to a HP P4000 Storage System, which iSCSI initiator is required?

- A. Initiator provided by ProLiant Support Pack (PSP)
- B. MPIO iSCSI initiator pack included in the iSCSI connectivity kit CD
- C. Native iSCSI initiator provided by the OS vendor
- D. MPX200 iSCSI initiator target driver kit
- E. iSCSI initiator from the HP P4000 Solution Pack CD

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

Explanation:

QUESTION 5

A customer wants to upgrade the memory and additional mezzanine cards in the company's HP c-Class blade servers. The customer is concerned about additional power requirements for this upgrade.

Which HP resource can be used to verify power consumption and additional cooling requirements?

- A. BladeSystem Power Sizer
- B. Part surfer
- C. Channel Service Network

- D. Blade System Memory Configurator
- E. Product Bulletin

Correct Answer: A
Section: (none)
Explanation

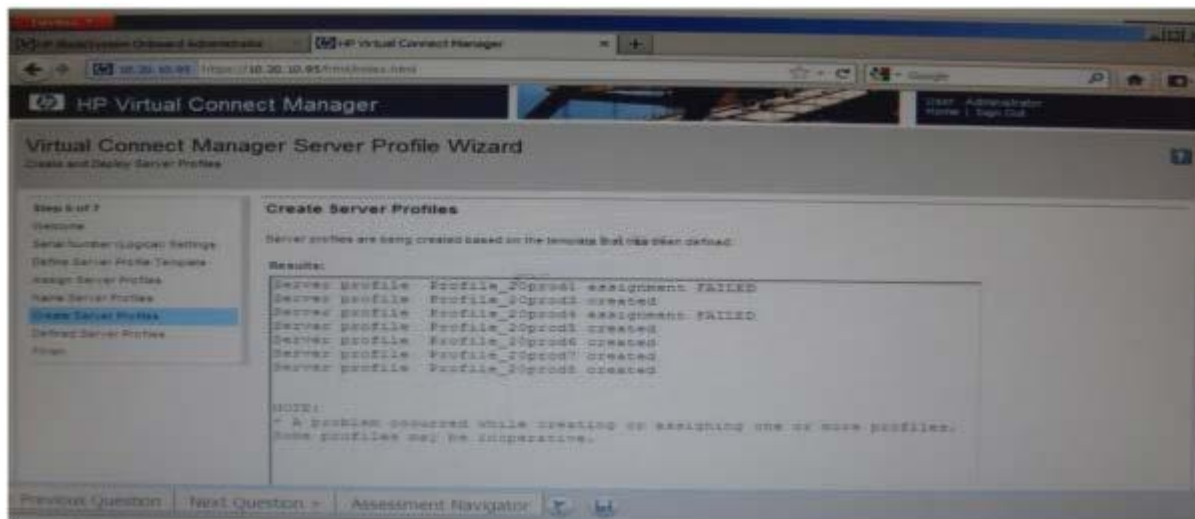
Explanation/Reference:

Reference: <http://h71019.www7.hp.com/ActiveAnswers/cache/347628-0-0-0-121.html>

QUESTION 6

New virtual Connect Flex-10 modules are installed in an HP BladeSystem c3000 chassis. While creating the profiles and assigning them to networks, two profile assignments fail. The error output is shown on the screenshot:

What might cause this problem?



- A. The version of Virtual Connect Enterprise manager (VCEM) is out of sync with the Virtual Connect module firmware.
- B. The iLO modules are not configured correctly.
- C. The two servers that failed were powered on while the profiles were being created.
- D. A Firefox browser is being used: Virtual Connect management is only supported by Internet Explorer v6 or earlier.

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

Explanation:

<http://h20000.www2.hp.com/bizsupport/TechSupport/Document.jsp?objectID=c00875518&lang=en&cc=us&taskId=110&prodSeriesId=3201263&prodTypeId=329290>

The following message may be displayed in an HP Virtual Connect Version 1.10 environment when attempting to create multiple server profiles and assign them to server bays using the Server Profile Wizard feature when server(s) are powered on:

Server Profile Creation FAILED

This message is misleading if the server is powered on and HP pre-defined MAC Addresses are configured because the profiles are created. However, the profiles are not properly assigned to the server bays that contain servers that are powered on. The profiles that are not properly assigned can be found in the "Unassigned Profiles" list in the left navigation frame on the Virtual Connect Manager home page.

The error message should state that the Profile was created but not assigned due to a server being powered on.

QUESTION 7

At a customer meeting, a concern was raised about IT infrastructure security management. In planning the solution for this concern, which critical area should be addressed?

- A. The use of a common user ID and common IP subnet with the production LAN.
- B. Isolated management LAN access.
- C. The use of a common password to access all management components.
- D. A virtual network with VLAN ID 1

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

Explanation:

Both use of common passwords and utilizing VLAN ID 1 are not secure at all.

Another DUMP suggest A if only one answer allowed

QUESTION 8

What is the correct UEFI shell command to check the boot profile used for ignite/UX on an HP integrity BL860c i2 blade server?

- A. ugnitecfg
- B. dbprofile

- C. bootprf
- D. lanboot

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

Explanation:

<http://bizsupport2.austin.hp.com/bc/docs/support/SupportManual/c02942303/c02942303.pdf> The dbprofile Command

The section provides information for the dbprofile command. This command is part of the EFI Shell and is accessible from an nPartition console when the nPartition is in an active state, but has not booted an operating system.

dbprofile = Manage direct boot profiles

EFI supports the creation of direct boot profiles (dbprofiles) allowing the deployment of HP-UX via an Ignite server

QUESTION 9

Before returning an SSD attached to a SMART Array controller in a Blade system in warranty, what must be performed?

- A. Analyze the *.chk files in the root directory for symptoms of OS crashes.
- B. Analyze the Integrated Management Log (IML) to determine the number of hotplugs.
- C. Analyze the disk using ScanDisk utility.
- D. Defragment the disk
- E. Determine wear-out using the SmartSSD Wear Gauge.

Correct Answer: E

Section: (none)

Explanation

Explanation/Reference:

Explanation:

Original answer was C, changed to E

<http://h20000.www2.hp.com/bc/docs/support/SupportManual/c00729544/c00729544.pdf>

Page 100

SmartSSD Wear Gauge report

This report contains information about the current usage level and remaining expected lifetime of solid state drives attached to the system.

If an SSD reached its normal life span, HP will not replace the drive

QUESTION 10

What is a possible reason for the Unknown port status in Fabric-A in the screenshot shown?

HP Virtual Connect Manager - Windows Internet Explorer

https://10.22.1.29/html/index.html

HP Virtual Connect Manager

Domain Status

Domain Status View Legend...

0 0 0 0 4 0

Find Configuration Items.

Configuration

IP Address

Enclosures

Backup/Restore

Storage Mgmt Credentials

SNMP Configuration

System Log

Stacking Links

Users/Authentication

Ethernet

Fibre Channel

Server Serial Numbers

Connections

Server Profiles

Ethernet Networks

Shared Uplink Sets

SAN Fabrics

Network Access Groups

Hardware

Define Configure Tools Help

SAN Fabrics

External Connections Server Connections

Status	SAN Fabric	Login Re-Distribution	Port Status	Connected To	Enclosure
✓	Fabric-A-FcOE	MANUAL	8 Gb	10:00:00:05:1e:03:16:3b BLcE2-ES	1
✓	Fabric-B-FcOE	MANUAL	8 Gb	10:00:00:05:1e:03:41:4f BLcE2-ES	2
⚠	Fabric-A	MANUAL	2 Gb	10:00:00:05:1E:03:16:3B BLcE2-ES	3
			2 Gb	10:00:00:05:1E:03:16:3B BLcE2-ES	3
			2 Gb	10:00:00:05:1E:03:16:3B BLcE2-ES	3
			0 Gb	00:00:00:00:00:00:00:00 BLcE2-ES	3
	Fabric-B	MANUAL	2 Gb	10:00:00:05:1E:03:41:4F BLcE2-ES	4
			2 Gb	10:00:00:05:1E:03:41:4F BLcE2-ES	4
			2 Gb	10:00:00:05:1E:03:41:4F BLcE2-ES	4
			2 Gb	10:00:00:05:1E:03:41:4F BLcE2-ES	4

- A. More than 16 Virtual Connect profiles use this port
- B. The Fibre Channel switch port is not run in NPIV mode
- C. More than 8 WWNs are assigned to this port
- D. The external disk array does not present any LUN to this port

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

Explanation:

Original answer was given as D, but this makes no sense as Virtual Connect has no visibility of (or to) SAN Array - VC is 'transparent'

The 'connected to' address is the WWN of the FC switch, so it makes sense that the unknown error (blue circle with a ? inside) is caused by the FC switch port not being in NPIV mode...

QUESTION 11

Which performance counter will confirm the need to add more physical memory in the VMware ESXi 5 host?

- A. Memory swap in
- B. Memory balloon
- C. Memory ready
- D. Kernel swap in

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

Explanation:

Reference: <http://searchsystemschannel.techtarget.com/feature/Monitoring-vSphere-CPU-and-memory-usage> (monitoring memory usage, 8th bulleted point)

These counters, in particular the Memory Swap Used (Average) counter, will give you an idea of whether the ESX/ESXi host is under memory pressure. If the ESX/ESXi host is not suffering from memory pressure and you still suspect a memory problem, then the issue likely lies with the virtual machine.

QUESTION 12

Which method should you use to upgrade the Intelligent Provisioning partition on a BL460c Gen8?

- A. ProLiant Support Pack
- B. Systems Insight Manager
- C. Service Pack for ProLiant
- D. Intelligent Provisioning Recovery ISO

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

Reference: <http://hpproliant.blogspot.com/2012/06/reinstall-intelligent-provisioning-for.html> (see 6th paragraph)

QUESTION 13

You configured and installed the VCA on a server, but are unable to access VCRM using the administrator login credentials.

What should you do?

- A. Log in using a separate network user login and password other than administrator
- B. Wait ten minutes for it to propagate through the network
- C. Reboot the system
- D. Change the VCRM trust relationship to Trust

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

Explanation:

http://www.hp.com/wwwsolutions/misc/hpsim-helpfiles/mxhelp/mxportal/en/admin_security_about_settingUpTrustRelationships.html

For Single Login and Secure Task Execution (STE) to work, the managed system must be running a supported agent and be configured to trust the HP Systems Insight Manager server. Three levels of trust configuration are available.

Trust All. The managed system trusts any HP Systems Insight Manager server, without verifying its digital signature. This configuration is the easiest to enable, but it leaves your managed system open to any HP Systems Insight Manager server request, including requests from HP Systems Insight Manager servers installed in a test environment or bogus requests formatted to appear as valid requests. Select this option with caution.

Trust By Name. The managed system trusts any of the HP Systems Insight Manager servers specifically named in the list without verifying the digital

signature. This configuration is still susceptible to accepting bogus requests formatted as valid requests from the named servers. Select this option with caution.

Trust By Certificate. The managed system only trusts HP Systems Insight Manager servers in the certificate list and verifies its digital signature. This configuration is the most secure option because it validates the digital signature of the request against a locally stored certificate, authenticating the sender and ensuring message integrity.

QUESTION 14

What is recommended update order for the BladeSystem products without an operating system, with VC firmware 1.34 or later?

- A. Server blades (offline), OA, VC
- B. OA, VC, then server blades (online)
- C. OA, VC, then server blades (offline)
- D. VC, OA, then server blades (offline)

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

Reference: <http://h30499.www3.hp.com/t5/HP-BladeSystem/Whats-the-best-way-to-update-OA-firmware-on-blade-c7000/td-p/5331877#.UL0nVpNetU4>
(see the last answer on the page by psychonaut, second bulleted point, first sub bulleted point)

QUESTION 15

Which HP backup solution should a customer implement for zero downtime backup capability, multiple Hypervisor, and non-HP array support?

- A. Data Protector Express
- B. Backup and Recovery Manager
- C. NetBackup
- D. Data Protector

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

Explanation:
<http://h20195.www2.hp.com/V2/GetPDF.aspx/4AA2-3654ENW.pdf>

QUESTION 16

Where can you check software compatibility for an SB1760c Tape Blade?

- A. Library and Tape Tools Check Updates
- B. SPOCK
- C. EBS Design Guide
- D. EBS Matrix

Correct Answer: B

Section: (none)

Explanation

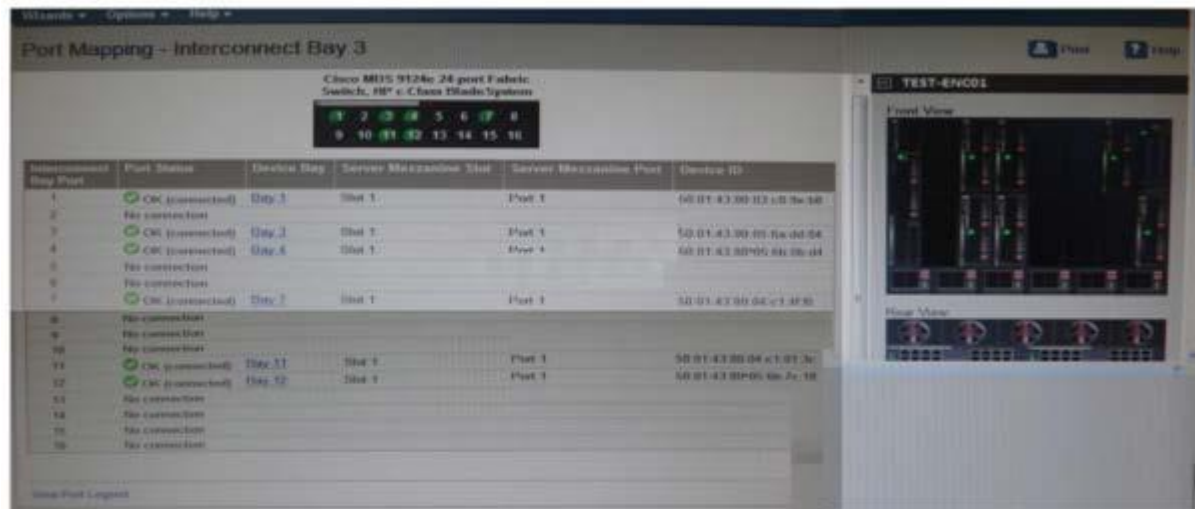
Explanation/Reference:

Reference: <http://h20272.www2.hp.com/>

QUESTION 17

The Onboard Administrator screenshot below displays a c7000 enclosures showing the port mapping interconnect bay 3. New ProLiant BL460c blade servers are in 14. All newly installed blade servers are correctly configured with mezzanine cards.

How many unused Device Bay ports will be shown after populating these new blades?



Interconnect Bay Port	Port Status	Device Bay	Server Mezzanine Slot	Server Mezzanine Port	Device ID
1	OK (connected)	Bay 1	Slot 1	Port 1	60:01:43:00:02:00:0a:00
2	No connection				
3	OK (connected)	Bay 2	Slot 1	Port 1	50:01:43:00:00:0a:00:00
4	OK (connected)	Bay 3	Slot 1	Port 1	60:01:43:00:00:0a:00:00
5	No connection				
6	No connection				
7	OK (connected)	Bay 7	Slot 1	Port 1	50:01:43:00:00:c1:0f:00
8	No connection				
9	No connection				
10	No connection				
11	OK (connected)	Bay 11	Slot 1	Port 1	50:01:43:00:00:c1:0f:00
12	OK (connected)	Bay 12	Slot 1	Port 1	50:01:43:00:00:0a:00:00
13	No connection				
14	No connection				
15	No connection				
16	No connection				
17	No connection				
18	No connection				
19	No connection				

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

D. 6

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

Explanation:

QUESTION 18

After replacing an Onboard Administrator (OA), the firmware revision levels differ between the primary and secondary. What is the fastest way to update the lower version?

- A. Download the firmware and upgrade using the GUI
- B. Download the firmware and upgrade using CLI
- C. Launch the OA GUI and synchronize
- D. The OA will automatically synchronize

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

Reference:

<http://h20000.www2.hp.com/bc/docs/support/SupportManual/c00705292/c00705292.pdf> - Page 142

Synchronize firmware

To synchronize the firmware on the active and standby Onboard Administrator to the same version of firmware, click **Synchronize Firmware**. A firmware image is created from the flash contents of the Onboard Administrator with the latest firmware version and is flashed to the Onboard Administrator with the oldest firmware version. The Onboard Administrator being upgraded reboots after the firmware is flashed.

To use the Synchronize Firmware feature:

- Both Onboard Administrators must be running firmware version 2.10 or later.
- If VLAN is enabled on the active Onboard Administrator, the standby Onboard Administrator must have firmware compatible with the VLAN feature. If the standby Onboard Administrator has an older firmware version that does not support VLAN, you must remove the standby Onboard Administrator and update the firmware to a compatible version from a different enclosure.

QUESTION 19

A new c7000 enclosure is fully populated with power supplies but only half of the total power is available. How should the power mode be configured to have more power available and still have redundancy?

- A. N+1 power mode
- B. N+2 power mode
- C. N+N AC redundant mode
- D. N+N+N AC redundant mode

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

Explanation:

<http://h20000.www2.hp.com/bc/docs/support/SupportManual/c00705292/c00705292.pdf> - Page 68

Mode	Insight Display name	Description
AC Redundant	AC Redundant	For AC power supplies only. In this configuration, N power supplies are used to provide power, and N are used to provide redundancy (where N can equal 1, 2, or 3). Up to three power supplies can fail without causing the enclosure to fail. When correctly wired with redundant AC line feeds, this configuration also ensures that an AC line feed failure does not cause the enclosure to power off.
Power Supply Redundant	Power Supply	Up to six power supplies can be installed with one power supply always reserved to provide redundancy. In the event of a single power supply failure, the redundant power supply takes over the load. A line feed failure of more than one power supply causes the system to power off.
Not Redundant	None	There is no power redundancy and no power redundancy warnings are given. If all power supplies are needed to supply Present Power, then any power supply or line failure might cause the enclosure to brown out.

$N+N$ or AC Redundant = Half the power supplies (3) used and other half (3) on standby (redundancy) = 50% power available
 $N+1$ or Power Supply Redundancy = 5 of the 6 Power supplies used and the 6th on standby (redundancy) = 83% power available

NOT B or D

$N+2$ =Invalid

$N+N+N$ =Invalid

QUESTION 20

You are about to upgrade drivers in a SAN environment that has several large HP tape libraries.

Where should you check to confirm that the new HBA driver has been tested?

- A. Library and Tape Tools Update Check
- B. EBS Sample Configuration
- C. EBS Compatibility Matrix
- D. EBS Design Guide

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

Reference:

<http://h20000.www2.hp.com/bc/docs/support/SupportManual/c03357510/c03357510.pdf>

QUESTION 21

How can a backup of the Virtual Connect Domain configuration be performed? (Select two)

- A. Use the Backup/Restore feature from the Virtual Connect Manager web-based interface
- B. Back up the SIM Central Management Console server system state
- C. Back up the SIM database.
- D. Use the vcutil -a config backup command in the Virtual Connect Support Utility
- E. Use the Backup/Restore feature from the Onboard Administrator

Correct Answer: AD

Section: (none)

Explanation

Explanation/Reference:

Explanation:

<http://h20000.www2.hp.com/bc/docs/support/SupportManual/c00865618/c00865618.pdf> (page 169)

<http://h20000.www2.hp.com/bizsupport/TechSupport/SoftwareDescription.jsp?swItem=MTX-793857044078415aa4ba4d9252&lang=en&cc=us&idx=0&mode=4> Added a new "configbackup" action to download a backup configuration from a Virtual Connect domain

QUESTION 22

An engineer just added two DIMMs in a BladeSystem BL460c Gen8 server running Windows 2008 R2 the customer has to put the server back in production quickly.

What should the engineer do to determine if the task was successful? (Select two.)

- A. Start up offline memory diagnostics from the SmartStart DVD and let it run for 24 hours
- B. Observe the Insight Display at the front of the server for any POST errors
- C. Start the online Insight Diagnostics and verify that no new memory errors are logged
- D. At the command prompt execute the Mem/C command and observe the results
- E. Verify POST at the console screen to check if any errors show up

Correct Answer: CE

Section: (none)

Explanation**Explanation/Reference:**

Explanation:

QUESTION 23

What is the maximum number of BL680c G7 servers you can install in a c7000 rack enclosure?

- A. 4
- B. 8
- C. 12
- D. 16

Correct Answer: A

Section: (none)

Explanation**Explanation/Reference:**

Reference: <http://www.cclonline.com/content/pdfs/Avmn2r-2fDmto-2bfqFrquXjFQ-3d-3d.pdf> (page4, 3rd bulleted point, first sub-bulleted point)

QUESTION 24

Which statement is correct about using an ESD strap when replacing a memory DIMM?

- A. It prevents exposure to a potentially lethal amount of current
- B. It prevents electro-static discharge that could potentially damage electronics
- C. It prevents exposure to a lethal amount of voltage
- D. It is not needed because ESD cannot be felt.
- E. It is no longer needed since ESD protection is built into the equipment

Correct Answer: B

Section: (none)

Explanation**Explanation/Reference:**

Explanation:

QUESTION 25

After a new installation has been completed on a server, which HP tool collects most information to establish baseline for firmware and driver revisions on that server?

- A. HP Offline Diagnostics
- B. HP Active Health System
- C. HP SUM
- D. HPS Report

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

Explanation:

Because the Active Health System collects data from iLO 4 itself, System ROM, Smart Array, NIC, and power supply firmware, hardware components, and optional OS agents. It collects approximately 1,600 unique data items

<http://h20000.www2.hp.com/bc/docs/support/SupportManual/c03207602/c03207602.pdf>

QUESTION 26

Which view should you select to create a baseline or baseline group in VMware vCenter Update Manager version 4.1?

- A. Customization
- B. Management
- C. Admin
- D. Compliance

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

Explanation:

http://www.vmware.com/pdf/vsp_vum_41_admin_guide.pdf - Pages 14-15

Update Manager Client Overview

The Update Manager Client has two main views, Administration view and Compliance view.

To access the Administration view, you can use the **Update Manager** icon under Solutions and Applications in the vSphere Client Home page or click **Admin view** from the **Update Manager** tab. In the Update Manager Client Administration view, you can do the following tasks:

- Configure the Update Manager settings
- Create and manage baselines and baseline groups
- View Update Manager events
- Review the patch repository
- Add or remove patches or extensions from a baseline
- Review and check notifications
- Import host upgrade releases

To view Compliance view information for a selected inventory object, click the **Update Manager** tab in the Hosts and Clusters or VMs and Templates inventory view of the vSphere Client. In the Update Manager Client Compliance view, you can do the following tasks:

- View compliance and scan results for each selected inventory object
- Attach and detach baselines and baseline groups from a selected inventory object
- Scan a selected inventory object
- Stage patches or extensions to hosts
- Remediate a selected inventory object

QUESTION 27

Definition of RPO

- A. It is the maximum tolerable period in which data might be lost from an IT service due to a major incident
- B. Time it takes to recover data
- C. How much data can be lost
- D. How long it will take before you start to restore the data

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

Explanation:

Recovery point objective

http://en.wikipedia.org/wiki/Recovery_point_objective It is the maximum tolerable period in which data might be lost from an IT service due to a major incident.[1] The RPO gives systems designers a limit to work to. For instance, if the RPO is set to 4 hours, then in practice, offsite mirrored backups must be continuously maintained- a daily offsite backup on tape will not suffice.



QUESTION 28

What File Systems does ESXi 5.0 support?

- A. VMFS V3
- B. VMFS V5
- C. Ext 3
- D. Ext 2

Correct Answer: AB

Section: (none)

Explanation

Explanation/Reference:

Explanation:

<http://www.vmware.com/pdf/vsphere5/r50/vsphere-50-configuration-maximums.pdf>

VMFS3	
Volume size	64TB ⁵
Raw device mapping size (virtual compatibility)	2TB minus 512 bytes
Raw Device Mapping size (physical compatibility)	2TB minus 512 bytes ⁶
Block size	8MB
File size (1MB block size)	256GB
File size (2MB block size)	512GB
File size (4MB block size)	1TB
File size (8MB block size)	2TB minus 512 bytes
Files per volume	Approximately 30,720
VMFS5	
Volume size	64TB ⁷
Raw Device Mapping size (virtual compatibility)	2TB minus 512 bytes
Raw Device Mapping size (physical compatibility)	64TB
Block size	1MB ³
File size	2TB minus 512 bytes ⁴
Files per volume	Approximately 130,690
Concurrent Operations	
Concurrent vMotion operations per datastore	128
Concurrent Storage vMotion operations per datastore	8
Concurrent Storage vMotion operations per host	2
Concurrent non-vMotion provisioning operations per host	8

QUESTION 29

What is the definition of a Hot aisle?

- A. Servers facing Front to front
- B. Servers facing back to front

- C. Servers facing back to back
- D. Servers facing front to back

Correct Answer: C

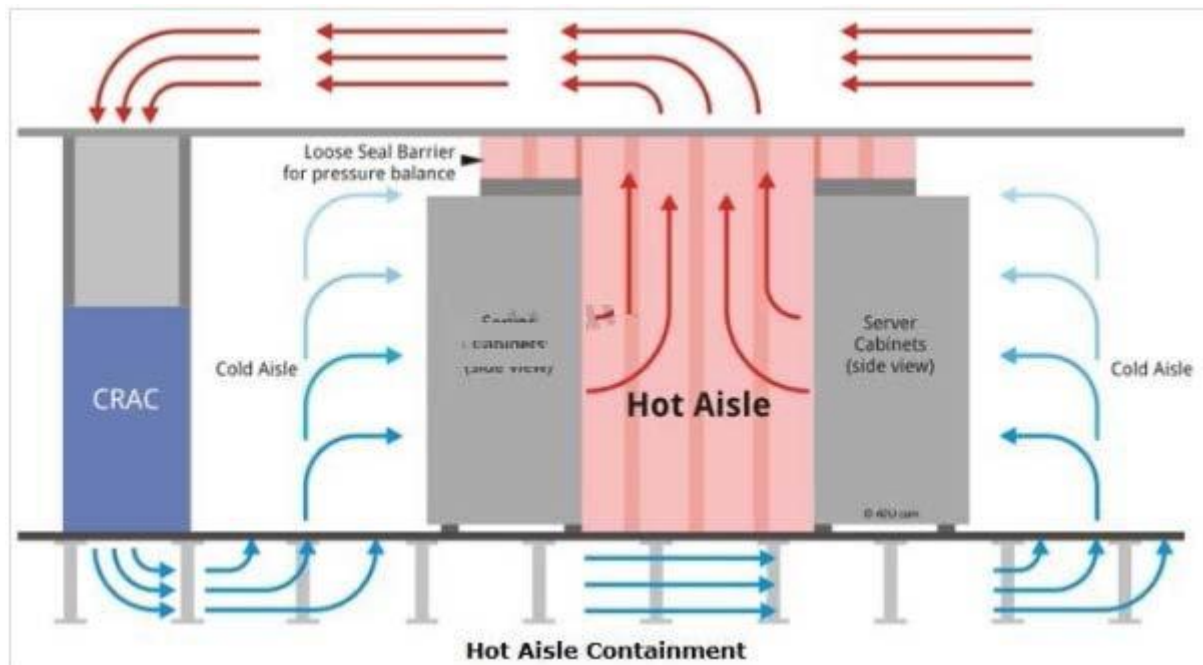
Section: (none)

Explanation

Explanation/Reference:

Explanation:

<http://www.42u.com/cooling/hot-aisle-containment.htm>



QUESTION 30

A customer purchased a 10642 G2 rack and with a fully populated C7000 and HP UPS R7000 what is the optimal position for the UPS and C7000 so the rack will be balanced?

- A. Put the C7000 on top and the UPS on the bottom
- B. Move the C7000 up and but the UPS right underneath
- C. Move the UPS on top of the C7000

D. Move the UPS to the top of the rack and the C7000 to the bottom of the rack

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

Explanation:

Monkey B's Common Sense Rule #1 - Put the heaviest item at the bottom of the rack and work upwards...

<http://bizsupport2.austin.hp.com/bc/docs/support/SupportManual/c00686846/c00686846.pdf> (Page 2)

Position



WARNING: To reduce the risk of personal injury or damage to the equipment, take the following precautions when installing the ERM.

- The ERM must be installed at the bottom of the rack, with the UPS on top of the ERM. If placed in the rack with existing equipment, the rack must be reconfigured to allow installation of the UPS and ERM at the bottom of the rack.
- The ERM must be mounted on the fixed rails included in the ERM kit. Use the rack template tool shipped with the ERM kit to align the rails.

QUESTION 31

How would you perform NIC teaming in a HP environment with Windows Server 2008 R2?

- A. Windows Server Manager
- B. Network Configuration Utility
- C. From Vcenter

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

Explanation:

<ftp://ftp.compaq.com/pub/products/servers/networking/teamingwp.pdf>

QUESTION 32

A customer wants to enable load balancing in a VMware environment what is the best route to do this?

- A. vMotion
- B. Enable DRS
- C. vMware HA

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

Explanation:

QUESTION 33

How does virtual connect refer to fiber channel technology?

- A. FC port
- B. FCOE
- C. FCIP

Correct Answer: A

Section: (none)

Explanation

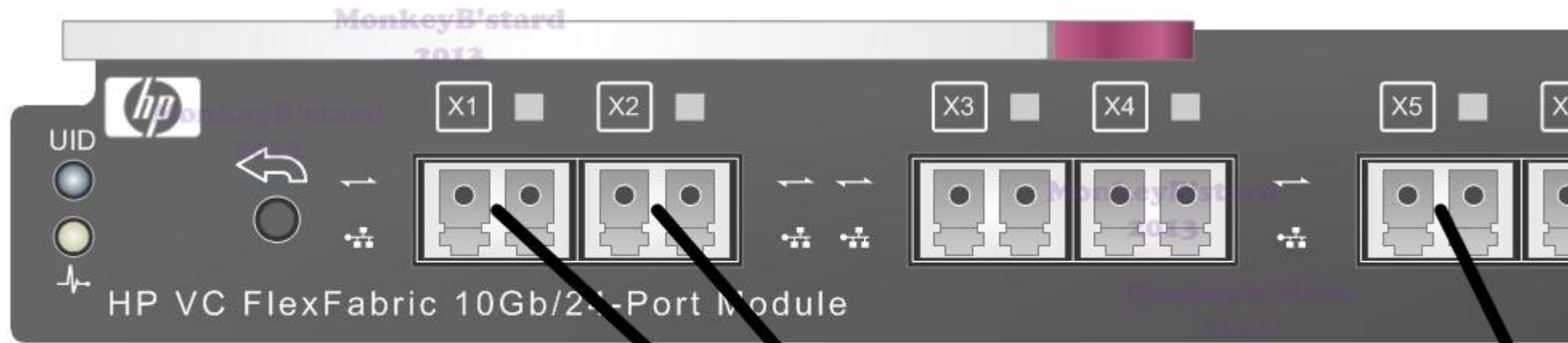
Explanation/Reference:

Explanation:

QUESTION 34

In this scenario why is the user not connecting to the EVA?

Exhibit:



ProCurve Network Switch

- A. FlexFabric uplinks are configured incorrectly
- B. CNA is not enabled for Fiber Channel
- C. EVA is a iSCSI only Array
- D. Use Flex10 for Fibre Channel connections NOT FlexFabric

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

Explanation:

http://h18004.www1.hp.com/products/quickspecs/13652_div/13652_div.PDF

HP Virtual Connect FlexFabric 10Gb/24-Port Module for c-Class BladeSystem

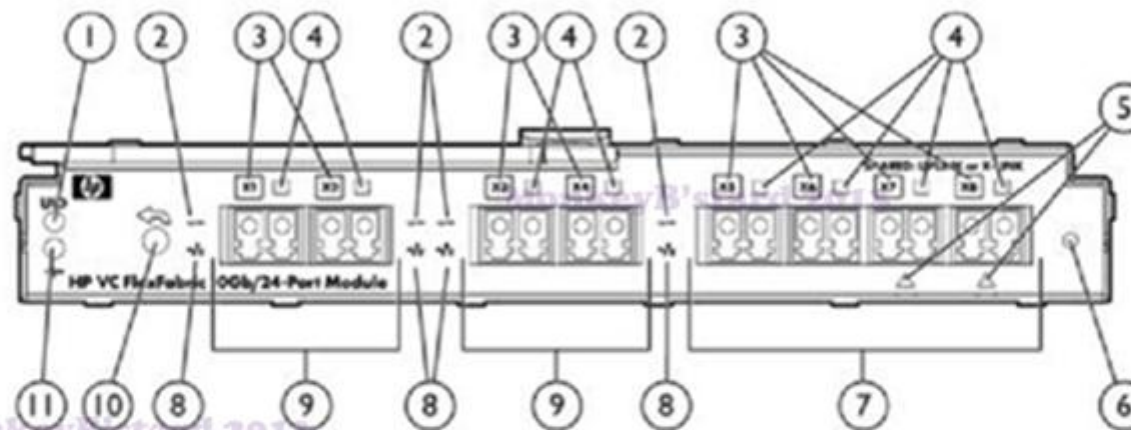


Figure 1 Virtual Connect Ethernet Module Front Bezel

- | | |
|---|--|
| 1. Unit Identification Display LED | 7. 4x 1/10Gb Ethernet (SFP+) |
| 2. Backlit Fibre Channel mode indicator | 8. Backlit Ethernet mode indicator |
| 3. Backlit port number and status indicator LED | 9. 2x 10Gb Ethernet or 2/4/8 Gb Fibre Channel (SFP+) |
| 4. Port Link/Activity/Speed indicator | 10. Enter button |
| 5. Backlit up or X-link indicator | 11. Module status indicator |
| 6. Reset button | |

Ports X1-X4 – 10GB Ethernet ONLY or 2/4/8Gb Fibre Channel – NO 1Gb Ethernet..!

Ports X5-X8 – 1Gb or 10Gb Ethernet ONLY – No Fibre Channel.

QUESTION 35

What protects against 8 bit parity mode error detection?

- A. Online sparing
- B. HP SmartMemory
- C. Mirrored Memory
- D. Double Chip Sparing
- E. Lockstep Memory mode

Correct Answer: E

Section: (none)

Explanation

Explanation/Reference:

Explanation:

<http://h20000.www2.hp.com/bc/docs/support/SupportManual/c03179047/c03179047.pdf> - Page 2

Lockstep—A mode that extends SDDC capability from x4 DRAM devices to x8 devices by using two memory channels as a single-wide channel to transfer a longer data word. The long data word is transferred each time using 16 redundant bits to provide 8-bit error detection and 8-bit error correction to protect against a single DRAM failure. While Lockstep mode does not reduce the total amount of available memory, it degrades performance. *MonkeyB'stard 2013*

QUESTION 36

What is required to configured Lockstep mode on a BL460c Gen8?

- A. 1066 Mhz memory configuration
- B. Dual rank memory configuration
- C. Low power disabled

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

Explanation:

<http://bizsupport2.austin.hp.com/bc/docs/support/SupportManual/c03428245/c03428245.pdf>

Memory subsystem architecture

The memory subsystem in this server blade is divided into channels. Each processor supports four channels, and each channel supports two DIMM slots, as shown in the following table.

Channel	Slot	Slot number
1	A	1
	E	2
2*	B	3
	F	4
3	C	8
	G	7
4*	D	6
	H	5

*When high performance heatsinks are installed, DIMM slots 4F and 5H for each processor are unavailable due to the larger size of the heatsinks.

For the location of the slot numbers, see "DIMM slot locations (on page 9)."

This multi-channel architecture provides enhanced performance in Advanced ECC mode. This architecture also enables the Lockstep memory mode.

DIMM slots in this server are identified by number and by letter. Letters identify the population order. Slot numbers indicate the DIMM slot ID for spare replacement.

Lockstep memory configuration

Lockstep mode provides protection against multi-bit memory errors that occur on the same DRAM device. Lockstep mode can correct any single DRAM device failure on x4 and x8 DIMM types. The DIMMs in each channel must have identical HP part numbers.

Lockstep Memory population guidelines

For Lockstep memory mode configurations, observe the following guidelines:

- Observe the general DIMM slot population guidelines (on page 32).
- DIMM configuration on all channels of a processor must be identical.
- In multi-processor configurations, each processor must have a valid Lockstep Memory configuration.
- In multi-processor configurations, each processor may have a different valid Lockstep Memory configuration.
- When high performance heatsinks are installed on the server blade, do not install DIMMs in channel 2 or channel 4.

Feature	UDIMM	RDIMM	LRDIMM	HDIMM
DIMM Sizes Available	2 GB, 4 GB, 8 GB	4 GB, 8 GB, 16 GB	32 GB	16 GB
Low power version of DIMMs available	Yes	Yes	Yes	Yes
Advanced ECC support	Yes	Vac	Yes	Yes
Address parity	No	Yes	Yes	Yes
Rank Sparing	Yes	Yes	Yes	Yes
Lock-Step Mode	Yes	Yes	Yes	Yes
Relative Cost	Lower	Higher	Highest	Higher
Maximum capacity on a server with 16 DIMM slots	128 GB	256 GB	512 GB	N/A
Maximum capacity on a server with 24 DIMM slots	128 GB	384 GB	768 GB	384 GB only

QUESTION 37

What memory protection is available to a BL460c Gen8?

- A. Lockstep
- B. Non-Lockstep
- C. Advanced ECC (multi-bit error protection)
- D. Memory Mirroring Mode
- E. Memory Online Spare Mode

Correct Answer: ACE

Section: (none)

Explanation

Explanation/Reference:

Explanation:

If this question references the BL460c Gen8 BUT still asks for 4 answers then HP has been very slack (as usual) at updating the question...

The BL460c G7 supports 4 memory modes - http://h18004.www1.hp.com/products/quickspecs/13706_div/13706_div.PDF

Memory Protection

Advanced ECC (multi-bit error protection)
Memory Mirroring Mode
Memory Lock-Step Mode
Memory Online Spare Mode supported on Intel Xeon 5600 Series processors

HOWEVER

The BL460c Gen8 supports only 3 memory modes - http://h18004.www1.hp.com/products/quickspecs/14208_div/14208_div.PDF

Memory Protection

Advanced ECC
Memory Online Spare Mode (Rank Spare Mode)
Lockstep Mode

Just to be clear that there is a difference between Lockstep and Mirroring - <http://h20000.www2.hp.com/bc/docs/support/SupportManual/c00256987/c00256987.pdf> - Page 11

Mirrored Memory mode

Mirrored Memory mode is a fault-tolerant memory option that gives you a higher level of security than Online Spare mode. Mirrored Memory mode provides full protection against single-bit and multi-bit errors.

With Mirrored Memory mode, the memory subsystem writes identical data to two channels simultaneously. If a memory read from one of the channel returns incorrect data due to an uncorrectable memory error, the system automatically retrieves the data from the other channel. A transient or soft error in one channel does not affect mirroring, and operation continues unless there is a simultaneous error in exactly the same location on a DIMM and its mirrored DIMM. Mirrored Memory mode reduces the amount of memory available to the operating system by 50% since only one of the two populated channels provides data.

Lockstep Memory mode

Lockstep Memory mode uses two memory channels at a time and offers you an even higher level of protection. In lockstep mode, two channels operate as a single channel—each write and read operation moves a data word two channels wide. Both channels split the cache line to provide 2x 8-bit error detection and 8-bit error correction within a single DRAM. In three-channel memory systems, the third channel is unused and left unpopulated. The Lockstep Memory mode is the most reliable, but it reduces the total system memory capacity by one-third in most systems.

QUESTION 38

What is required on a server to use Server Deployment in Insight control? (Choose 3)

- A. PXE
- B. DNS
- C. DHCP
- D. SNMP

Correct Answer: ABC

Section: (none)

Explanation

Explanation/Reference:

Explanation:

<http://h18013.www1.hp.com/products/servers/management/rdp/knowledgebase/20000069.html> Bare Metal servers require a PXE server to get an IP address.

To boot PXE, you must have a DHCP server

Is DNS required?

SNMP Is NOT required

HP Insight Control Software - Overview version 7.0 Deployment Server Prerequisites

- Hardware: ProLiant server with at least 2.0 GHz processor and 2 GB of memory, or an equivalent virtual machine.
- Operating System: Microsoft Windows Server 2003 R2 x86 Standard SP2; Microsoft Windows Server 2008 x86 or x64 Standard or Enterprise Editions; or Microsoft Windows Server 2008 R2 x64 Standard or Enterprise Editions or Microsoft Windows Server 2008 R2 SP1 x64 Standard or Enterprise Editions. The server must not be a domain controller.

- Storage: 8 GB of free space on the system drive, 4 GB for the base installation, about 4 GB for each distribution, and additional space for each captured disk image.
- Networking: a network adapter configured with a static IP address and all firewalls properly configured.

For Windows 2008 with a local DHCP service, refer to Symantec Knowledgebase (Article TECH41571).

- Microsoft .NET Framework 2.0 (available at <http://www.microsoft.com/net/Download.aspx>).
- Microsoft SQL Server 2005 SP3 Express, Standard, or Enterprise Editions; or Microsoft SQL Server 2008 SP2 Express, Standard, or Enterprise Editions (installed either locally or remotely; available at <http://www.microsoft.com/sqlserver/2008/en/us/default.aspx>); or Microsoft SQL Server 2008 R2 Express. Configured as follows:

- SQL Server Protocols TCP/IP and Named Pipes must be enabled.
- SQL Server must be configured with a TCP static port; TCP dynamic ports are not supported.
- The user performing the installation must be a member of the SYSADMIN SQL Server Security Role.

- For remote SQL Server installations on the remote Windows Server, (a) the user performing the installation must have Administrator permissions, (b) the firewall must be properly configured, and (c) the SQL Browser service must be running.

- Microsoft Windows Automated Installation Kit (AIK) for Windows Vista SP1 and Windows Server 2008 1.1 (available at <http://www.microsoft.com/downloads/details.aspx?familyid=94bb6e34-d890-4932-81a5-5b50c657de08&displaylang=en&tm>).

- Disable antivirus software.

- To use the Deployment Web Console, Microsoft IIS with ASP.NET.
- To deploy VMware ESX or Linux, Microsoft IIS FTP.
- For IIS 7.5, IIS 6

compatibility mode must be enabled and FTP Publishing must be added to the default web site with anonymous read access.

- When upgrading, console security must be disabled.

QUESTION 39

A light is flashing on insight display, what does this mean?

- A. A user is connected to ILO
- B. There is an issue that needs to be addressed

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

Explanation:

QUESTION 40

What color is the notation in Insight control if a Fan fails?

- A. Green
- B. Yellow
- C. Amber
- D. Red

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

Explanation:

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

Check the Insight Display screen

- o If the Insight Display background color is green, then the enclosure is operating normally and has no errors. No further action is required.
- o If the Insight Display background color is blue, then the enclosure UID is active. The enclosure UID color overrides the green or amber colors. When the Insight Display background color is blue, always check the health icon in the corner of the screen for the overall system health status.
- o If the Insight Display is dark, then press any Insight Display button to wake the display. If the Insight Display does not wake within 2 minutes after rebooting, see "Troubleshooting the Insight Display (on page 16)."
- o If the Insight Display background color is amber and the screen is flashing, then an error exists and further action is required. To view the suggested corrective action, select Fix on the Device Error screen.

QUESTION 41

You are looking to expand a raid what command is needed to do this?

- A. EXPAND
- B. DISKPART
- C. ACU CLI
- D. ORCA

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

Explanation:

<http://h20000.www2.hp.com/bc/docs/support/SupportManual/c00729544/c00729544.pdf> Expanding an array

You can increase the storage space on an array by adding physical drives. Any drive that you want to add must meet the following criteria:

- It must be an unassigned drive.
- It must be of the same type as existing drives in the array (for example, SATA or SAS).
- It must have a capacity no less than that of the smallest drive in the array. When you want to expand an array, allow about 15 minutes per gigabyte for the expansion to be completed. During this time, the controller cannot perform any other expansion or migration. Performance might be degraded slightly during the expansion, depending on the Expand Priority setting ("Setting the rebuild priority or expand priority" on page 15). To minimize any effect on normal server operations, expand an array during periods of low server use.

To expand an array:

1. Back up all data on the array. Although array expansion is unlikely to cause data loss, observing this precaution provides extra data security.
2. Confirm that the cache battery is connected and fully charged.
3. In the Logical Configuration View panel, highlight the array, and then press the Enter key.
4. In the Array Options menu, highlight the Expand Array option, and then press the Enter key. The screen displays three panels (Expand Array, Physical Drives, and Expand Existing Array), and the highlight moves to the Expand Array panel.
5. Highlight the Assign Drive option, and then press the Enter key. The highlight moves to the Physical Drives panel.
6. Highlight a physical drive that you want to add to the array, and then press the Enter key. (For optimum use of drive capacity, select a drive that has the same capacity as other drives in the array.) The highlight returns to the Expand Array panel.
7. (Optional) Repeat steps 5 and 6 to add more drives.
8. Highlight the Accept Changes option, and then press the Enter key.
9. Press the Esc key to begin the array expansion and return to the Logical Configuration View panel.

To view the progress of the array expansion, press the F3 key, and then scroll to the progress bar near the bottom of the screen.

QUESTION 42

You want to create an online spare of a RAID 1 what is needed in order to accommodate this?

- A. 2 extra disks
- B. P770 controller
- C. Smart Array Advanced Pack License
- D. ORCA

Correct Answer: CD

Section: (none)

Explanation

Explanation/Reference:

Explanation:

Poor question and answer set again HP..! Please try harder...

http://h18004.www1.hp.com/products/quickspecs/13200_div/13200_div.pdf

<http://h20000.www2.hp.com/bc/docs/support/SupportManual/c00729544/c00729544.pdf>

NOT A - Unless you are starting with a RAID 0 (Single Disk) and migrating to RAID 1 and then assigning a Spare.

NOT B - HP does not have a P770 controller.

MAYBE C - You do not need a SAAP license for a normal Spare... If 'Online Spare' IS NOT the same as a 'Spare'... Then do they mean RAID 1 ADM..?

RAID 1 ADM

MonkeyB'stard

RAID 1 ADM Advanced Data Mirroring allows customers to create mirrored RAID set using 3 identical hard drives. This provides customers with a 2nd "live spare" for RAID 1(+0) configurations. This allows customers to rebuild a failed drive in a RAID 1(+0) set without the array entering into a degraded state.

MAYBE D - You can assign a Spare drive in ORCA but you cannot do any advanced configuration like RAID 1 ADM - this requires ACU...

Support for standard configuration tasks

A "+" indicates the feature or task is supported. A "-" indicates the feature or task is not supported.

Task	ACU	CPQONLIN	ORCA
Create or delete arrays and logical drives	+	+	+
Assign a RAID level to a logical drive	+	+	+
Identify devices by causing their LEDs to illuminate	+	+	-
Assign a spare drive to an array	+	+	+
Share a spare drive among several arrays	+	+	-
Assign multiple spare drives to an array	+	+	-
Set the spare activation mode	+	-	-
Specify the size of the logical drive	+	+	-
Create multiple logical drives per array	+	+	-
Set the stripe size	+	+	-
Migrate the RAID level or stripe size	+	+	-
Expand an array	+	+	-
Set the expand priority, migrate priority, and accelerator ratio	+	+	-
Extend a logical drive	+	-	-
Set the boot controller	+	-	+
Configure HP SmartCache	+	-	-

Support for advanced configuration tasks

The following table uses these symbols:

+ —The ACU format supports this task.

—The ACU format does not support this task.

+/- —Support for this task varies by controller. To support this task, some controllers must have SAAP activated by a registered license key.

To identify controller-specific feature support and SAAP requirements, see the controller user guide or the HP website (<http://www.hp.com/products/smartarray>).

For more information, see "About SAAP (on page 8)."

Procedure	ACU GUI	ACU CLI	ACU Scripting
Activate or delete license keys	+	+	+
Configure multiple systems identically	+ ¹	+ ¹	+
Configure a RAID 6 logical drive	+/-	+/-	+/-
Configure a RAID 60 logical drive	+/-	+/-	+/-
Copy the configuration of one system to multiple systems	- ¹	- ¹	+
Disable a redundant controller	+ ²	+	-
Enable or disable a physical drive write cache	+	+	+
HP Drive Erase (replace the content of a physical drive or logical drive with zeros or random 0 and 1)	+/-	+/-	-
Identify devices by causing their LEDs to flash	+	+	-
Move an array (copy all array data to a new array and then delete the old array)	+/- ²	+/-	+/-
Optimize the controller performance for video	+/- ²	+/-	+/-
Re-enable a failed logical drive	+	+	-
Set the surface scan delay	+	+	+
Set the preferred controller for a logical drive (in systems that	+ ²	+	+

If 'ORCA' was replaced with 'ACU' in the question then it would all make sense...Typical HP trying to trick us...

Use Smart Array Advanced License
Start up in ORCA
Create RAID1 ADM

QUESTION 43

What is something that HP agentless management can monitor and proactively notify prior to failure? (Choose Three)

- A. Fans
- B. Power supply
- C. Disks
- D. CPU

Correct Answer: ABD

Section: (none)

Explanation

Explanation/Reference:

Explanation:

<http://h30507.www3.hp.com/t5/Coffee-Coaching-HP-and-Microsoft/HP-ProLiant-Gen8-Agentless-Management-Overview/ba-p/108579>

The subsystems supported by iLO that are covered and "regardless of the operating system" are as follows:

CPU's
Memory
Temperature Sensors
Fans
Power Supplies

SmartArray controllers (including cache modules) and Both Logical and Physical Drives (internal to the server) that are connected to the SmartArray controller. iLO supports Inventory and Configuration, Health Status, SNMP Alerting, Pre-Failure Alerting, Redundancy Status and Alerting, and SNMP Data Collection.

QUESTION 44

What is the speed of the network on the ILO management port in Gen8?

- A. 10Gbps
- B. 1Gbps

- C. 100Mbps
- D. 10Mbps

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

Explanation:

http://h18004.www1.hp.com/products/quickspecs/14208_div/14208_div.PDF

Standard iLO Network Controller:

One (1) 10/100 Mbps port for the HP iLO 4 to Onboard Administrator link. The Onboard Administrator (with 10/100/1000 Mbps) to BladeSystem link is 1Gbps

QUESTION 45

What are some advantages of iLO4 versus iLO3

- A. Remote Deployment
- B. Embedded Remote Support
- C. HP Agentless Management
- D. Remote Media

Correct Answer: BC

Section: (none)

Explanation

Explanation/Reference:

Explanation:

<http://h20195.www2.hp.com/V2/GetPDF.aspx/4AA4-5167ENW.pdf>

HP iLO 3 Licensed vs. HP iLO 3 Standard

Feature	HP iLO Standard	HP iLO Standard for BladeSystem	HP iLO Advanced	HP iLO Advanced for BladeSystem
Platform support	All (except BL)	BL	All (except BL)	BL
Embedded health system	✓	✓	✓	✓
Virtual power buttons	✓	✓	✓	✓
IPMI over LAN/DCMI	✓	✓	✓	✓
Web-based GUI	✓	✓	✓	✓
SSH command line interface	✓	✓	✓	✓
RIBCL	✓	✓	✓	✓
Virtual serial port (VSP)	✓	✓	✓	✓
IPv6*	✓	✓	✓	✓
Integrated Remote Console (IRC/Virtual KVM, support text, and graphics)	Pre-OS only	✓	✓	✓
Global Team Collaboration via Integrated Remote Console			✓	✓
Integrated Remote Console record and playback			✓	✓
Virtual Media via Integrated Remote Console		✓	✓	✓
Scripted virtual media			✓	✓
Text-based remote console via SSH (TEXTCONS)			✓	✓
Directory Service Authentication			✓	✓
Kerberos authentication			✓	✓
Email-based alerting			✓	✓
Remote syslog			✓	✓
Advanced power management (power history)			✓	✓

HP iLO 4 Licensed vs. HP iLO 4 Standard

Feature	HP iLO Standard	HP iLO Standard for BladeSystem	HP iLO Essentials	HP iLO Scale-Out	HP iLO Advanced	HP iLO Advanced for BladeSystem
Platform support	All (except BL)	BL	ML350e Gen8 ML310e Gen8 DL380e Gen8 DL360e Gen8 DL320e Gen8	HP ProLiant Gen8 DL160, SL and BL	All (except BL)	BL
Embedded health system	✓	✓	✓	✓	✓	✓
Virtual power buttons	✓	✓	✓	✓	✓	✓
IPMI over LAN/DCMI	✓	✓	✓	✓	✓	✓
Web-based GUI	✓	✓	✓	✓	✓	✓
SSH command line interface	✓	✓	✓	✓	✓	✓
RIBCL	✓	✓	✓	✓	✓	✓
Virtual serial port (VSP)	✓	✓	✓	✓	✓	✓
IPv6*	✓	✓	✓	✓	✓	✓
Active Health System	✓	✓	✓	✓	✓	✓
Embedded remote support	✓	✓	✓	✓	✓	✓
Agentless Management	✓	✓	✓	✓	✓	✓
Integrated Remote Console (IRC/Virtual KVM, support text, and graphics)	Pre-OS only	✓	✓	Pre-OS only	✓	✓
Global Team Collaboration via Integrated Remote Console					✓	✓
Integrated Remote Console record and playback					✓	✓
Virtual Media via Integrated Remote Console		✓	✓		✓	✓
Scripted virtual media					✓	✓

HP iLO 4 Licensed vs. HP iLO 4 Standard (continued)

Feature	HP iLO Standard	HP iLO Standard for BladeSystem	HP iLO Essentials	HP iLO Scale-Out	HP iLO Advanced	HP iLO Advanced for BladeSystem
Kerberos authentication					✓	✓
Email-based alerting			✓	✓	✓	✓
Remote syslog				✓	✓	✓
Advanced power management (power history graphs, Dynamic Power Capping)				✓	✓	✓
Virtual serial port record and playback				✓	✓	✓
Discovery services					✓	✓

QUESTION 46

What are troubleshooting areas for a FC EVA array?

- A. Server smart array
- B. FC zoning
- C. IFM on the SAN switch

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

Explanation:

QUESTION 47

What is required for an iPDU to collect information?

- A. Power over Ethernet
- B. Mini USB cable
- C. SNMP traps configured
- D. Null serial cable

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

Explanation: http://h18004.www1.hp.com/products/quickspecs/13650_div/13650_div.PDF

The iPDU provides detailed SNMP and email alerts showing alert origination by iPDU , load segment, and outlet as well as alert description, value, and trigger.

The iPDU allows SNMP queries for data collection

This answer is a bit misleading since the iPDU's talk to each other via PLC. One or more of the iPDU's can be connected to an Ethernet Port for remote access, view and control. Each iPDU has an embedded web interface for control and management Each IEC C19 on the HP Intelligent PDU incorporates out of band power line communications (PLC) technology to communicate with either the Standard Extension Bars or the Intelligent Extension bars Power line communications (Intelligent Power Discovery [IPD] enabled) power cables [PLC with IDP] Each IDP enabled power cable incorporates RS232 serial connections to enable Intelligent Power Discovery.

Power Discovery Services with Intelligent Power Discovery uses out of band power line communications to transfer server identity information between the HP Common Slot Platinum Power Supplies and the HP Intelligent PDU's Intelligent Extension Bars and automatically maps the server to outlets on the iPDU.

IDP enabled cables and connectors conform to standard IEC specifications and sizes. When combined with HP ProLiant rack mount servers all outlets can be used with either IDP enabled power cables or standard IEC jumper cables. Intelligent Power Discovery requires IDP enabled power cables and Common Slot Platinum Power Supplies with PLC connectors on ProLiant DL servers or BLc Single Phase Intelligent Power Module equipped HP BladeSystem c7000 Enclosures.

QUESTION 48

Which tools can you use to design SAN infrastructure connecting to a 3rd party array? (Choose Three)

- A. HP SPOCK
- B. Product Bulletin
- C. EBS
- D. SAN design

Correct Answer: ABD

Section: (none)

Explanation

Explanation/Reference:

Explanation:

QUESTION 49

A customer has two C3000's with flexfabric modules and does not have VCEM what would be the recommended for mac addressing?

- A. Let the mac addresses automatically populate, you'll be fine.
- B. Join the two virtual connect domains
- C. Use a range for the first enclosure and manually assign the second enclosure
- D. Assign different mac address ranges so there will be no conflicting mac addresses

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

Explanation:

New Questions

QUESTION 50

Which memory protection is supported on a BL460c Gen8 Blade Server? (Select two)

- A. Memory Lock Step Mode
- B. Memory Non-Lockstep Mode
- C. Hot Plug Raid Mirror
- D. Advanced ECC
- E. Memory parity checking

Correct Answer: AD

Section: (none)

Explanation

Explanation/Reference:

Explanation:

The BL460c Gen8 supports only 3 memory modes - http://h18004.www1.hp.com/products/quickspecs/14208_div/14208_div.PDF

QUESTION 51

What is the definition of Recovery Point Objective (RPO)?

- A. point in the process code that needs to be recovered
- B. amount of time a recovery process must wait before it can be initiated
- C. amount of time a recovery process may take
- D. amount of data that can be unrecoverable

Correct Answer: D

Section: (none)

Explanation

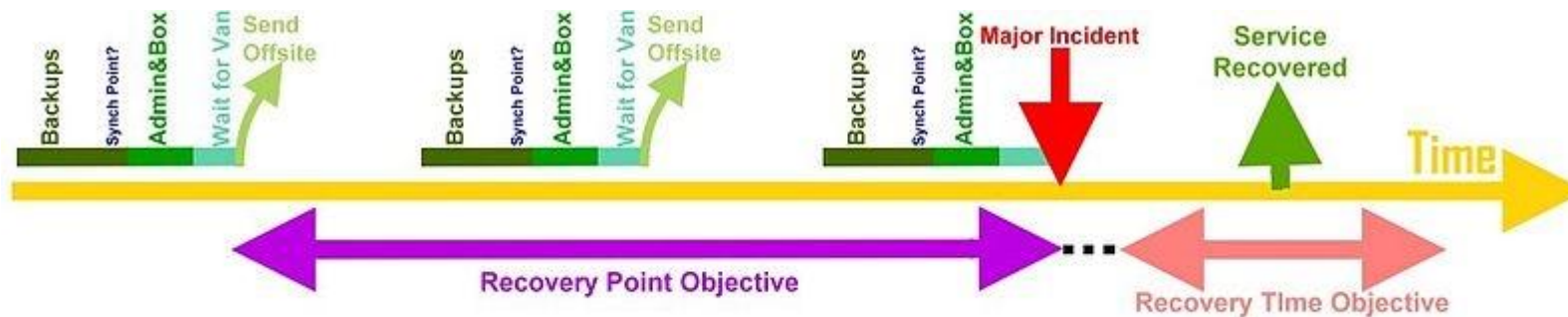
Explanation/Reference:

Explanation:

http://en.wikipedia.org/wiki/Recovery_point_objective#RPO_and_RTO-_a_worked_example

A "recovery point objective" or "RPO", is defined by business continuity planning. It is the maximum tolerable period in which data might be lost from an IT service due to a major incident

RPO and RTO- a worked example



The above figure is an example of how RPO and RTO might pan out in a practical situation. Tape is used for backup in this example. The tapes are sent

offsite once per day at around the same time, but this timing is not fully guaranteed. The offsite operation does happen to occur at roughly the same time of day in the chart above. The daily backup offsite tasks in this example are as follows:

- A set of backups are made to tape, possibly via a disk staging area. The synchronisation point for each set of backups is late in the backup operation in this example as several large databases have to be backed up and all of them are required for a Synchronisation Point (this is typical of such systems).
- After that the tapes have to be ejected, collated, and catalogued as they are boxed. It is often the case that offsite operations are batched across a wide spectrum of systems at a data centre; generally the backups for all services have to wait for the very last one to be created and boxed before they can be sent to the loading bay for transport.
- Pickups by offsite data repositories are expensive. Generally a daily pickup with a reasonably priced contract will have only an approximate time for pickup and will be predicated on the data centre being ready with the tapes when the van turns up- extra pickups will be generally too expensive to contemplate on a regular basis so a data centre must build contingency time into the preparation period before the pickup is due to occur.

All of which must be done before the pickup- and all of which must be included in the RPO calculation because the synchronisation point being sent offsite depends on backups that were started very near to the start of these activities. So: a recovered service, after a restore from one of these daily backups, will be very likely to start up as at the end of the online day perhaps 13 or so hours or more, before the restored tapes were driven away from the Production data centre.

Against this background, suppose that a Major Incident occurs just before an offsite pick up (worst case) and as always the assumption is "total site loss, instantly"- so the prepared backups never leave the site. In this case the RPO is set to 48 hours- only twice the normal offsite cycle. As it happens, on this occasion pickups have been regular for a while and you might make the mistake of thinking that because two offsite operations have occurred within the RPO period noted above, you have two sets of tapes you might be able to use and still be within the RPO. This is not the case- the earlier set of tapes will produce a recovered service as at a recovery point that is much older than it needs to be to meet the 48 hour RPO. In this example perhaps 12 or 13 hours over that time. In this example, consider the effect of the latest set of offsite tapes being rendered useless by a critically defective tape in the set (perhaps a 5-10% chance?)- as you can see by the example above, you can now NOT meet the RPO at all. Tape capacity is increasing all the time- potentially, fewer tapes mean that individual tape defects damage more backed up data.

To complete the picture, the RTO is noted above too. In this case the service was recovered well before the RTO limit was hit. It is however interesting to contemplate the fact that in this example the RTO does NOT start just after the Major Incident. In this example, as often there is in reality, there is seemingly too much delay. A quick decision to go to invocation of the ITSC Plan is always the best decision; in principle... The rule in setting an RTO should be that the RTO is the longest period of time the business can do without the IT Service in question. On the back of this appropriately economic decisions must be taken at the design stage about how the IT Service is built and run. It must be allowed however that some time has to be spent in making the decision to invoke the ITSC Plan, this decision time is an unknown variable- remember too there are often quite large sums of money spent immediately the decision to invoke is taken- staff being called in for extended periods of 24 hour working cover and large fees charged by some recovery service providers at the outset of recovery. In the example, there is the almost inevitable fudge that the RTO is set to the maximum time the business can do without the service whilst knowing full well that there is very likely to be a period of decision making before it.

QUESTION 52

An HP BladeSystem c7000 Insight Display backlight is flashing. What can cause this?

A. user logged in to Onboard Administrator

- B. status that needs attention
- C. user logged in to iLO console
- D. normal status, flashing as heartbeat

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

Explanation:

QUESTION 53

What are the major advantages of the GUID Partition Table (GPT) over the Master Boot Record (MBR)?

- A. It is not restricted to a disk partition's size of 2 TB
- B. It provides added security with 1024 encryption
- C. it provides redundancy
- D. it supports Solid State Drives (SSD)
- E. It provides added security with 2048 encryption

Correct Answer: AC

Section: (none)

Explanation

Explanation/Reference:

Explanation:

http://en.wikipedia.org/wiki/Master_boot_record

http://en.wikipedia.org/wiki/GUID_Partition_Table

<http://www.petri.co.il/gpt-vs-mbr-based-disks.htm>

Size

MBR - Disk no larger than 2TB

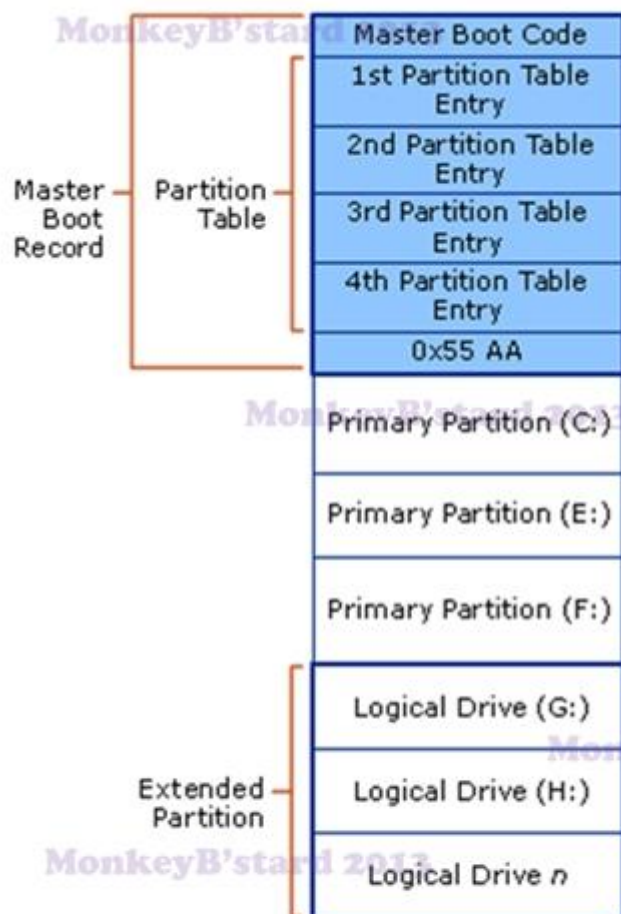
GPT - Disk up to (in theory) 8ZB (Yes - Zetta Bytes)

Redundancy

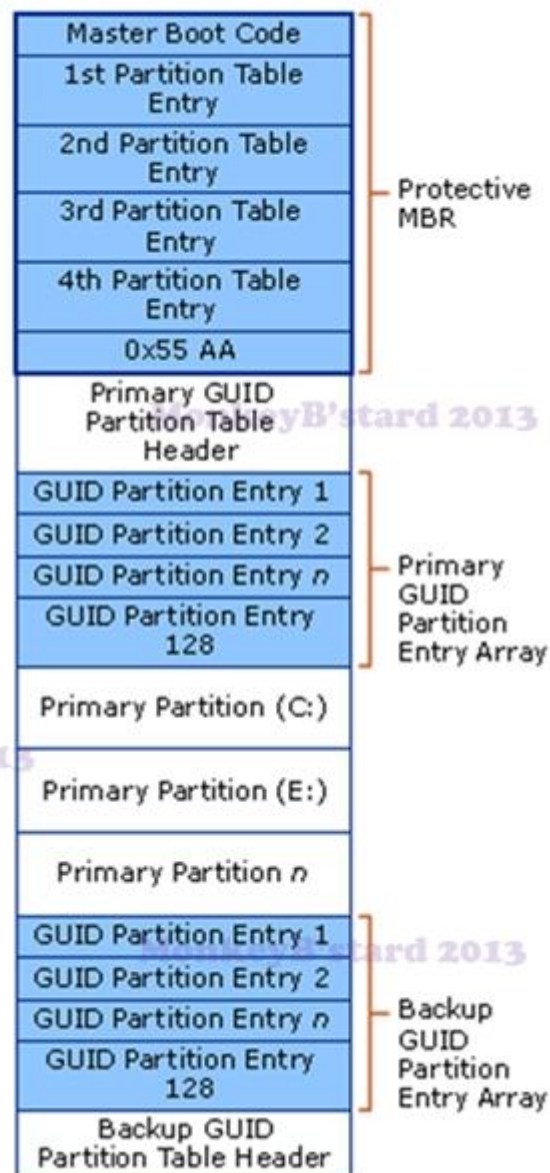
MBR - Nothing - Single partition table

GPT - Provides redundancy, writing the GPT header and partition table both at the beginning and at the end of the disk.

MBR Disk Layout



GPT-based Disk Layout



QUESTION 54

Which component is only required on the monarch module of an HP Integrity i2 server?

- A. scalable memory buffers
- B. ICH mezzanine card
- C. memory
- D. management processor

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

Explanation:

<http://h20000.www2.hp.com/bizsupport/TechSupport/Document.jsp?lang=en&cc=us&taskId=115&prodSeriesId=4186432&prodTypeId=3709945&objectID=c02714983>

HP Integrity BL8x0c i2 Servers - How to Add a Partner Blade

Information

Only HP Integrity BL870c i2 servers with monarch blade in an even bay (server in bays 2 and 3, 4 and 5 or 6 and 7, using full-height numbering) and BL860c i2 servers do support partner blades.

HP Integrity BL870c i2 servers with monarch blade in an odd bay (server in bays 1 and 2, 3 and 4, 5 and 6, or 7 and 8, using full-height numbering) and BL890c i2 servers do NOT support partner blades.

The monarch blade of an BL870c i2 server is the blade unit in the lowest bay number. So for a c7000 enclosure it is the left one, and for a c3000 enclosure it is the upper one.

PCIe Gen-1(driven from the ICH10) provides the interface to the partner blades. A separate mezzanine pass-thru card is not required.

Only the designated monarch blade should contain an ICH mezzanine board.

QUESTION 55

What can you do to transfer information over a power distribution infrastructure consisting of an iPDU and extension bars?

- A. dedicated null modem serial cable
- B. Power over Ethernet connection (PoE)
- C. mini USB power connection
- D. power line communications (PLC)

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

Explanation:

QUESTION 56

Before implementing a solution, which HP tool helps facility teams and IT staffs size power infrastructure to meet HP BladeSystem solution requirements?

- A. Power Regulator
- B. Facilities Management Tool
- C. Power Infrastructure Sizer
- D. BladeSystem Power Sizer

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

Explanation:

QUESTION 57

A customer bought a new HP BladeSystem c7000 enclosure with HP Flex-10 interconnect modules. Which HP BladeSystem Installation and Startup Service is needed to implement the network configuration of the HP Flex-10 modules?

- A. Enhanced Network service
- B. Network Infrastructure service
- C. Startup BladeSystem c-Class infrastructure service
- D. Enclosure Connectivity service

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

Explanation:

QUESTION 58

In an HP BL460c Gen8 server, which NIC RBSU personality setting allows the Converged Network Adapter to connect to the Fiber Channel storage?

- A. FCIP
- B. iSCSI
- C. FC Connect
- D. FCoE

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

Explanation:

QUESTION 59

A customer has a c7000 blade enclosure with several HP ProLiant blade Gen8 server installed in an HP10636 G2. The customer ordered an HP UPS R8000\3 for this blade configuration and it needs to be installed in this rack?

- A. Install the UPS R8000\3 in a separate HP 10636 G2 rack
- B. Move the c7000 up in the rack and install the UPS R8000/3 at the bottom of the rack just below the c7000
- C. Install the UPS R9000/3 at the top of the rack to provide weight balance
- D. Move the c7000 to the top of the rack and install the UPS R8000/3 at the bottom of the rack for poper weight balance

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

Explanation:

QUESTION 60

Which settings can you configure using EBIPA? (Select two)

- A. serial number

- B. NIC teaming address
- C. gateway address
- D. DNS address
- E. enclosure name

Correct Answer: CD

Section: (none)

Explanation

Explanation/Reference:

Explanation:

QUESTION 61

A customer wants to add a second dual port Fiber Channel adapter to a BL460c Gen8 Server in an HP BladeSystem?

- A. FC HBA in Mezzanine two with FC interconnects in slots seven and eight
- B. FC HBA in Mezzanine two with FC interconnects in slots three and four
- C. FC HBA in Mezzanine two with FC interconnects in slots five and seven
- D. FC HBA in Mezzanine two with FC interconnects in slots five and six

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

Explanation:

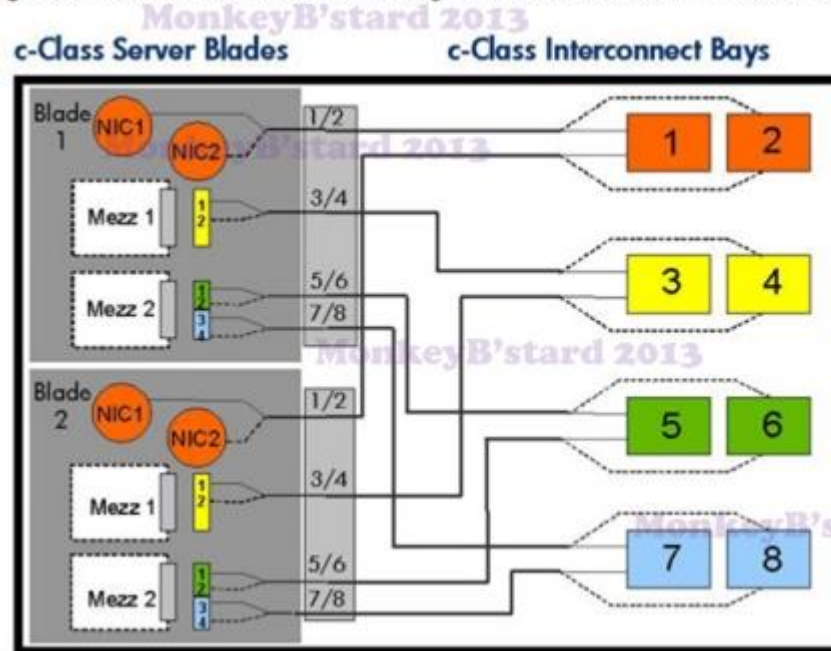
In typical HP lazy question style this answer is open to debate, as we do not know if they are using a c7000 or c3000 chassis... In cases like this plum for whatever makes HP more money..! So c7000 in this case...

<http://h20000.www2.hp.com/bc/docs/support/SupportManual/c00810839/c00810839.pdf>

- All of HP c-Class FC HBA's are Dual Ported and their signals can only route out of ports #1 and #2 - even when they are installed in a Mezz slot with 4 signal paths... There is NO WAY to alter this...
- **So, if we assume the question is aimed at a c7000 enclosure then:**

A FC HBA installed in Mezzanine #2 would route signals to Interconnect Bays 5 & 6 on a c7000 enclosure.

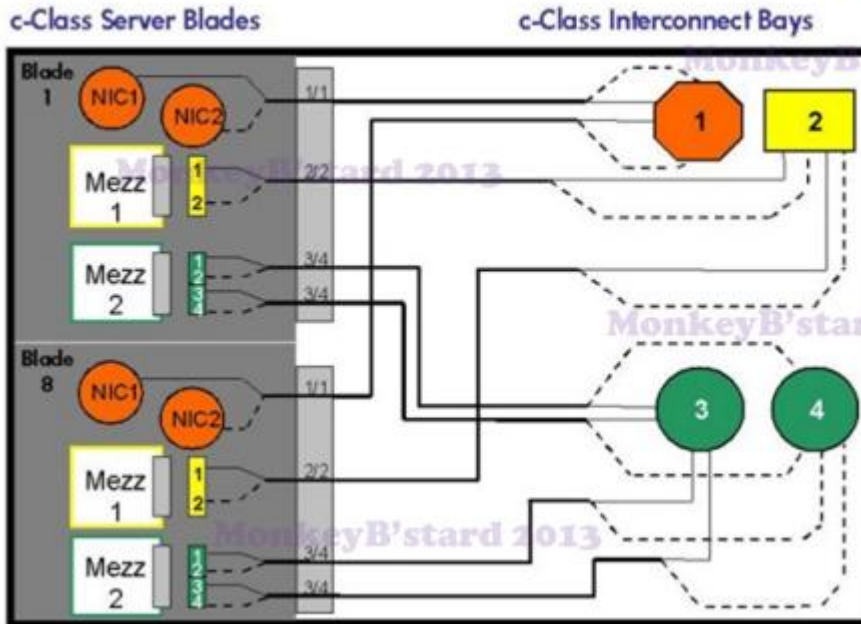
Figure 8: Redundant connection of half-height server blades to the interconnect bays in the c7000 enclosure



- However, if we assume the question is aimed at a c3000 enclosure then:

A FC HBA installed in Mezzanine #2 would route signals to Interconnect Bays 3 & 4 on a c3000 enclosure.

Figure 9: Connection of half-height server blades to the interconnect bays in the BladeSystem c3000 enclosure



QUESTION 62

An administrator is concerned about losing the enclosure setting and configuration if the Onboard Administrator (OA) fails. What is the best available option?

- A. Capture the screen shots of Insight Display
- B. Capture the Active Health System of all blade servers
- C. Capture the Configuration Scripts through the OA
- D. Capture the configuration scripts of Virtual Connect Manager
- E. Capture the screen shots of c7000 enclosure settings through the OA

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

Explanation:

QUESTION 63

Which components are required for Insight Control Server Deployment to work correctly? (Select two)

- A. PXE
- B. SNMP
- C. WBEM
- D. DNS
- E. DHCP

Correct Answer: AE

Section: (none)

Explanation

Explanation/Reference:

Explanation:

It could be argued that DNS is also required, but PXE and DHCP are far more critical...

QUESTION 64

An HP Blc 4x QDR InfiniBand switch is intalled in Bays 3 and 4 in a c7000 enclosure. What is the maximum number of downlink ports that it provides for connections to blade server?

- A. 8
- B. 16
- C. 32
- D. 64

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

Explanation:

http://h18004.www1.hp.com/products/quickspecs/12586_div/12586_div.PDF

HP BLc 4X QDR IB Switch for HP BladeSystem c-Class

- Double wide switch blade for the new c7000 enclosure with 16 downlink ports to connect server blades via the midplane, and 16 QSFP unlink ports for the inter-switch links or to connect to external servers. All ports are capable of supporting 40Gbps (QDR) bandwidth. All uplink ports support copper and fiber optic cables. The switch is externally managed, i.e. a subnet manager has to be provided on the fabric (see the subnet manager discussion above)

QUESTION 65

Which enhancements were added to the HP iLO Management Engine of an HP ProLiant Gen8 server when compared to iLO3 (Select two)

- A. HP Remote Console
- B. Embedded Remote Support
- C. HP Virtual Media
- D. Video Replay
- E. Agentless Management

Correct Answer: BE

Section: (none)

Explanation

Explanation/Reference:

Explanation:

<http://h20195.www2.hp.com/V2/GetPDF.aspx/4AA4-5167ENW.pdf>

QUESTION 66

A customer requires the onboard network ports on a ProLiant BL460c Gen8 Windows 2008 R2 server to be bonded together for improved performance and redundancy

What should be used to configure this?

- A. Onboard Administrator Enclosure Bay IP Addressing
- B. HP Network Configuration Utility
- C. Onboard Administrator VLAN settings
- D. Windows 2008 Server Manager

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

Explanation:

QUESTION 67

The customer wants to use a software RAID for the internal disk of the BL860c i2. What must be done?

- A. Use saupdate to set the Controller to HBA mode
- B. Use saconfig to set the Controller to HBA mode
- C. Use ORCA to configure two individual disks
- D. Use drvcfg to configure two individual disks

Correct Answer: A

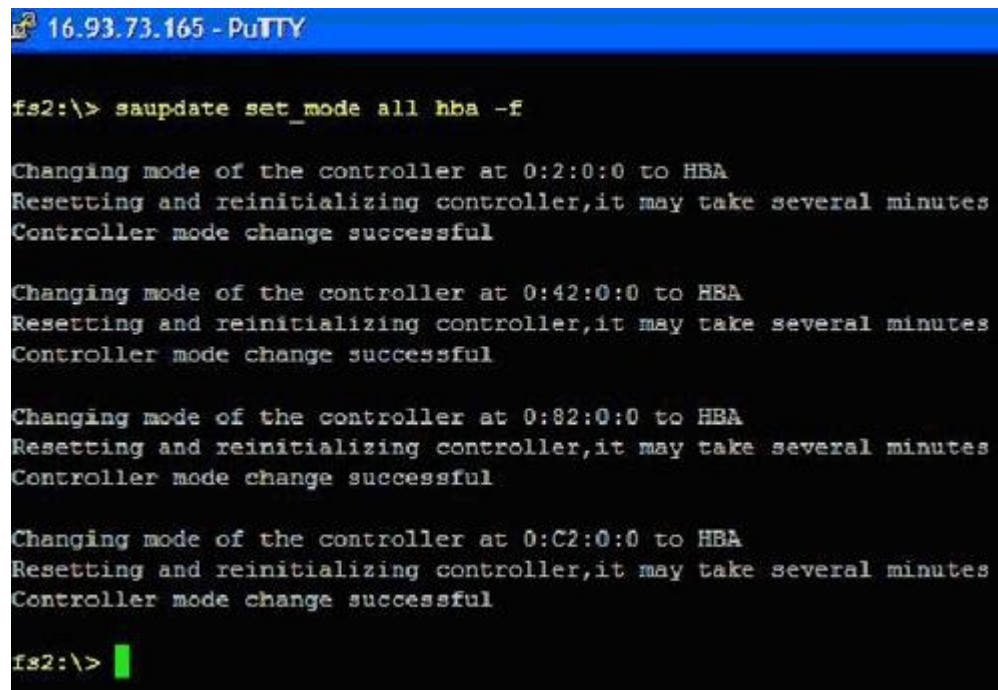
Section: (none)

Explanation

Explanation/Reference:

Explanation:

http://h20000.www2.hp.com/bizsupport/TechSupport/Document.jsp?lang=en&cc=us&objectID=c02292331&jumpid=reg_R1002_USEN



```
16.93.73.165 - PuTTY

fs2:\> saupdate set_mode all hba -f

Changing mode of the controller at 0:2:0:0 to HBA
Resetting and reinitializing controller,it may take several minutes
Controller mode change successful

Changing mode of the controller at 0:42:0:0 to HBA
Resetting and reinitializing controller,it may take several minutes
Controller mode change successful

Changing mode of the controller at 0:82:0:0 to HBA
Resetting and reinitializing controller,it may take several minutes
Controller mode change successful

Changing mode of the controller at 0:C2:0:0 to HBA
Resetting and reinitializing controller,it may take several minutes
Controller mode change successful

fs2:\> 
```

```
16.93.73.165 - PuTTY

fs2:\> saupdate set_mode 0:2:0:0 hba

WARNING:Changing controller mode could result in DATA LOSS!!!
Key in 'YES' to continue or 'NO' to quit:yes

The controller at 0:2:0:0 is already in HBA mode

fs2:\> saupdate set_mode 0:2:0:0 raid

WARNING:Changing controller mode could result in DATA LOSS!!!
Key in 'YES' to continue or 'NO' to quit:no
No mode change done

fs2:\> saupdate set_mode 0:2:0:0 raid

WARNING:Changing controller mode could result in DATA LOSS!!!
Key in 'YES' to continue or 'NO' to quit:yes

Changing mode of the controller at 0:2:0:0 to RAID
Resetting and reinitializing controller,it may take several minutes
Controller mode change successful

fs2:\> saupdate set_mode p410i raid

WARNING:Changing controller mode could result in DATA LOSS!!!
Key in 'YES' to continue or 'NO' to quit:yes

The controller at 0:2:0:0 is already in RAID mode

Changing mode of the controller at 0:42:0:0 to RAID
Resetting and reinitializing controller,it may take several minutes
Controller mode change successful

Changing mode of the controller at 0:82:0:0 to RAID
Resetting and reinitializing controller,it may take several minutes
Controller mode change successful

Changing mode of the controller at 0:C2:0:0 to RAID
Resetting and reinitializing controller,it may take several minutes
Controller mode change successful
```


QUESTION 68

Which features were added to the Hyper-V role in Windows Server 2008 R2? (Select two)

- A. Failover clustering
- B. Support for up to 192 running virtual machines
- C. Second-Level Address Translation
- D. Virtual machine snapshots
- E. Support for 24 logical processors

Correct Answer: CD

Section: (none)

Explanation

Explanation/Reference:

Explanation:

Reference: <http://www.virtualizationadmin.com/articles-tutorials/microsoft-hyper-v-articles/general/what-newwindows-server-2008-r2-hyper-v.html> (see second level address translation and virtual machine snapshotoperation)

<http://en.wikipedia.org/wiki/Hyper-V>

QUESTION 69

Which capability does UEFI provide in ProLiant Blade and other HP server?

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

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

Explanation:

QUESTION 70

In a DL380 Gen8 server fully populated with memory, which memory protection technology is able to correct an 8-bit memory error?

- A. ECC

- B. Lockstep
- C. Parity
- D. Advanced ECC

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

Explanation:

http://h18004.www1.hp.com/products/quickspecs/14212_div/14212_div.PDF

Memory Protection

Advanced ECC

NOTE: Advanced ECC uses single device data correction (SDDC) to detect and correct single and all multi-bit error that are supported (x8 requires lockstep mode).

Online Spare

NOTE: Memory online spare mode (also known as rank spare mode) detects a rank that is degrading and switches operation to the spare rank.

Lock-step mode

NOTE: Memory Lockstep mode is used to correct a single x8 DRAM device failure on a DIMM. The DIMMs in each paired channel must be of the same type and capacity.

QUESTION 71

Which HP solution offers automated deployment and configuration of servers using scripting or imaging technology?

- A. Factory Express
- B. Insight Manager
- C. Insight Foundation
- D. Insight Control

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

Explanation:

QUESTION 72

When using HP Insight Control Server Deployment, where should you change the network boot image from Linux to Windows?

- A. iLO Configuration Utility
- B. PXE Configuration Utility
- C. ROM Based SetupUtility
- D. Network Adapter Option ROM

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

Explanation:

QUESTION 73

All production system are backed up every night at a specific time, and the backup is run concurrently to a locally attached tape library. Which concept does this represent?

- A. Disaster Tolerance
- B. Disaster Recovery
- C. Business Continuity
- D. System Recovery

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

Explanation:

QUESTION 74

Which HP resource is used primarily by HP partners to check warranty information and part ordering?

- A. Channel Service Networks (CSN)
- B. Part Surfer
- C. Active Answers
- D. Single Point of Configuration Knowledge (SPOCK)

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

Explanation:

QUESTION 75

Which tool can be used to determine the lifecycle status of DAS SSD disk in an HP ProLiant Blade server? (Select two)

- A. SmartSSD Wear Gauge in ACU
- B. POST Error LOG
- C. IML viewer
- D. Array Diagnostic and SmartSSD Wear Utility
- E. RBSU

Correct Answer: AD

Section: (none)

Explanation

Explanation/Reference:

Explanation:

QUESTION 76

You want to partner a D2200sb Storage Blade to BL620c G7 blade. The BL620c G7 blade is not able to see the D2200sb. What could be wrong?

- A. HP 3 Gb SAS BL switch is not installed
- B. D2200sb cannot be partnered with full height server blade
- C. The D2200sb is installed in the top row of the enclosure (1 through 8)
- D. Smart Array Advanced Pack (SAAP) single server license was not installed

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

Explanation:

This is another poorly written question from HP..!

NOT A - The D2200sb does NOT interact in ANY WAY with the 3Gb SAS BL Switch

NOT B - The D2200sb CAN be partnered with many Full Height blades (see the table below)

NOT C - The D2200sb CAN be installed in the top row of the c7000 enclosure

NOT D - The D2200sb does NOT require the Smart Array Advanced Pack (SAAP) license be installed - UNLESS RAID 6 and RAID 60 support required.

D2200sb Blade server support matrix

Supported Servers	Server: Full Height or Half Height	No of D2200sb Storage blades Supported	Pass Thru Card Required	Mezz slot to sup C
X86 server blades				
BL280c G6	Half	1	No	
BL460c G6	Half	1	No	
BL460c G7	Half	1	No	
BL460c Gen8	Half	1	No	
WS460c Gen8	Half	1	No	
BL490c G6	Half	1	No	
BL490c G7	Half	1	No	
BL465c G6	Half	1	No	
BL465c G7	Half	1	No	
BL495c G6	Half	1	No	
BL620c G7	Full	2	Yes	
BL685c G6	Full	2	No	
BL685c G7	Full	2	No	
BL680c G7	Full	Not supported	n/a	
BL420c Gen8	Half	1	No	
BL465c Gen8	Half	1	No	
BL660c Gen8	Full	2	No	
Integrity server blades				
BL860c i2	Full	1	No	
BL860c	Full	1	Yes	
BL870c	Full	Not supported	n/a	
BL870ci2	Full	1	No	
BL890ci2	Full	Not supported	n/a	

QUESTION 77

Which items can be configured using the HP BladeSystem Insight Display? (Select two)

- A. reset iLO password
- B. EBIPA
- C. enclosure name
- D. Sea of Sensors
- E. Insight Display Lockout PIN

Correct Answer: CE

Section: (none)

Explanation

Explanation/Reference:

Explanation:

QUESTION 78

What should be done to allow Insight Remote Support to submit incidents to the HP Support Center?

- A. install the remote support driver on the server
- B. Open the required ports on the customer's firewall
- C. Enable remote support in the ROM Based Setup Utility
- D. Install Web Based Enterprise Services

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

Explanation:

<http://bizsupport1.austin.hp.com/bc/docs/support/SupportManual/c03536813/c03536813.pdf>

Please ensure that the correct firewall openings are configured to allow communication with HP. Insight Remote Support Advanced communicates over HTTPS/443 to submit incidents to and retrieve entitlement information from HP Support. We strongly recommend configuring only the alias, see **Table 2** below.

Table 2 Required Firewall settings

Alias	Protocol	Description
services.isee.hp.com	HTTPS	Used by the HP Insight Remote Support software to submit incidents to and retrieve contract and warranty information from the HP data center

QUESTION 79

What is different about the Intel processors in HP ProLiant G7 and Gen8 server?

- A. support for 512-bits processing
- B. support for 3.3 V processor module
- C. processor module socket type
- D. support for 1024-bits processing

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

Explanation:

QUESTION 80

Which UEFI shell command should be used to verify the firmware on the HP Integrity Blade LOMs and installed mezzanine card?

- A. devtree
- B. devices
- C. info io
- D. drivers

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

Explanation:

<http://h20000.www2.hp.com/bizsupport/TechSupport/Document.jsp?prodSeriesId=447681&objectID=c00273667>

EFI Commands

MonkeyB'stard 2013

The following table lists EFI commands for the HP Integrity rx4640 Server.

EFI Shell Command	BCH Command Equivalent	BCH Command Parameters	Definition
time	Time	[cn:yr:mo:dy:hr:mn[:ss]]	Read or set the real time clock
Information			
info all	ALL		Display all system information
info boot	BootInfo		Display boot-related information
info cpu	Cache		Display cache information
info chiprev	ChipRevisions		Display revision number of major VLSI
MP command	FRU		Display FRU information
info fw	FwrVersion		Display firmware version for PDC, ICM, and complex
info io	IO		Display firmware version for PDC, ICM, and complex
LanAddress	LanAddress		Display core LAN station address
info mem	Memory		Display memory information
info cpu	Processor		Display processor information
Service			
errdump clear	CLEARPIM		Clear (zero) the contents of PIM
mm	MemRead	[] []	Read memory locations scope of page deallocation
PDT	PDT		Display or clear the page deallocation table
errdump mca	PIM	[Display PIM information (processor internal memory)
errdump cmc		[HPMC LPMC TOC ASIC]	
errdump init			

QUESTION 81

A technician wants to find local real-time hardware and firmware information about an HP ProLiant server. Which product should be used?

- A. vCenter
- B. System Insight Manager
- C. System Management Homepage
- D. System Console Operation Management

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

Explanation:

QUESTION 82

You are experiencing packet loss with low latency networks. Which value(s) should you customize so that the various HP SIM polling tasks complete in the shortest amount of time?

- A. Retries
- B. Timeout and Retries
- C. Retries value from 1 to 5
- D. Timeout

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

Explanation:

QUESTION 83

HP Ultrium Tape Blades offer a complete data disaster recovery and archiving solution for BladeSystem c-Class customer. Which HP branded packages are compatible with Ultrium Tape Blades (select three)

- A. HP Polyserve
- B. HP One-Button Disaster Recovery (OBDR)
- C. HP TapeAssure
- D. HP Data Protector Express Basic Software

E. HP Ibrix

Correct Answer: BCD

Section: (none)

Explanation

Explanation/Reference:

Explanation:

http://h18004.www1.hp.com/products/quickspecs/12729_div/12729_div.PDF

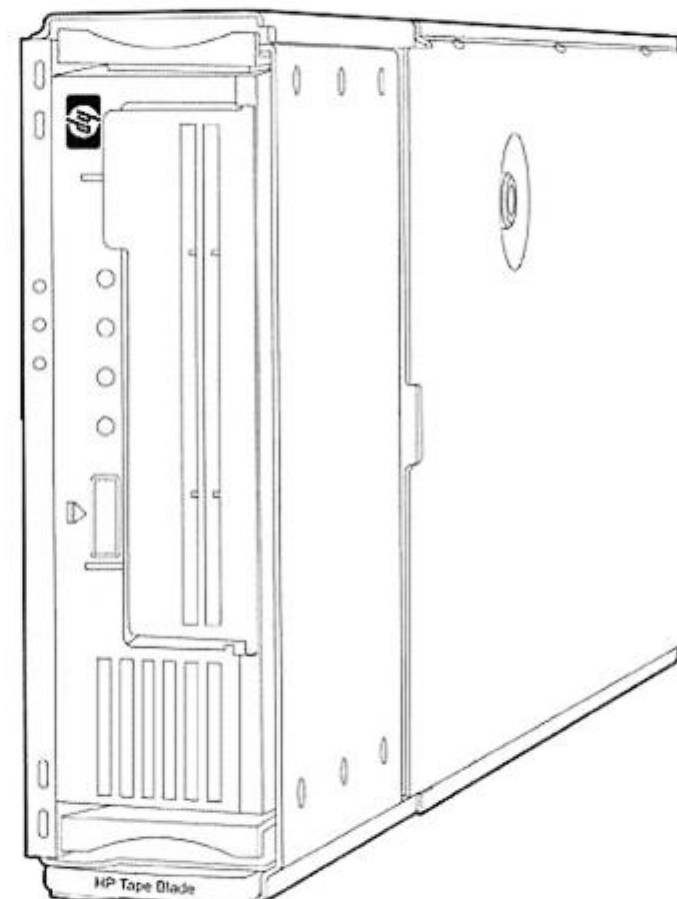
Accepted that *Yosemite Server Backup Basic* replaces *Data Protector Express Basic* as the software included with the HP LTO Ultrium tape drives **BUT** the **HP Ultrium Tape Blades** are still compatible with **Data Protector Express Basic**

HP Ultrium Tape Blades

MonkeyB'stard 2013

The HP Ultrium Tape Blades are ideal for HP BladeSystem c-Class customers who need an integrated data protection solution. These half-height tape blades provide direct network backup protection for all data residing within the enclosure. HP Ultrium Tape Blades offer a complete data protection, disaster recovery and archiving solution for

Each HP Ultrium Tape Blade solution ships standard with the option to download Yosemite Server Backup Basic backup and recovery software. In addition, each tape blade includes a recovery agent which allows quick recovery of the operating system, applications and data from the latest full backup set. HP Ultrium Tape Blades are the industry's first tape blades and are available in 1U and 2U enclosures.



HP Ultrium Tape Blades

What's New

- Increased capacity and performance with the LTO-5 SB3000c, with capacity up to 3 TB on a single data cartridge (2:1 compression) and performance up to 1 TB/h
- **TapeAssure** makes managing, optimizing and archiving on the HP LTO Ultrium tape drives easier. This tool provides additional management and monitoring capabilities
- Compliance to 2013 ROHS requirements

MonkeyB'stard 2013

QUESTION 84

As an administrator, you are required to monitor maximum CPU time on system processes on all nodes within your environment. What can happen when a threshold is crossed more than three consecutive times? (Select two)

- A. An error event is logged
- B. A bottleneck is detected by displaying a Threshold Notification dialogue box
- C. The server shuts down
- D. A command runs

Correct Answer: BD

Section: (none)

Explanation

Explanation/Reference:

Explanation:

QUESTION 85

Using HP Agentless Management, which components offer pre-failure alerting?

- A. power supplies
- B. fans
- C. memory
- D. processors

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

Explanation:

<http://h30507.www3.hp.com/t5/Coffee-Coaching-HP-and-Microsoft/HP-ProLiant-Gen8-Agentless-Management-Overview/ba-p/10857>

QUESTION 86

Which product should you use to turn the D2200sb into an iSCSI SAN for use by all servers in the enclosure and any server on the network?

- A. HP P2000sa G3
- B. HP P4000 Virtual SAN Appliance (VSA) software
- C. SB40C Storage
- D. HP X3800sb G2 Network Storage Gateway Blade

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

Explanation:

QUESTION 87

Which file system is supported on the VMware vSphere ESXi 5 hypervisor host? (Select two)

- A. ext2
- B. NTFS
- C. VMFS v5
- D. ext3
- E. VMFS v3

Correct Answer: CE

Section: (none)

Explanation

Explanation/Reference:

Explanation:

QUESTION 88

You are requested to install a Virtual Connect FlexFabric module that must be connected to an HP StorageWorks 8/80 Brocade San Switch. You want to ensure the Virtual Connect module is successfully connected to the switch. Which source should you check to get all the required information?

- A. HP BladeSystem Release Sets for ProLiant
- B. HP Virtual Connect Enterprise Manager website
- C. Brocade website
- D. Single Point of Connectivity Knowledge for HP Storage Products

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

Explanation:

QUESTION 89

Which resource can be used to identify supported third-party SAN configurations for HP BladeSystem?

- A. HP Heterogeneous SAN Design Guide
- B. SNIA SMI_S Specifications Support Matrix
- C. HP SAN Design Reference Guide
- D. SNIA Compatibility Reference Tables

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

Explanation:

QUESTION 90

Which statement about HP Virtual Connect FlexFabric ethernet connectivity are? (Choose three.)

- A. it supports VLAN tagging on egress or pass-through of VLAN tags in tunneled mode
- B. it allows aggregation of uplinks to data center networks
- C. it blocks all Link Layer Discovery Protocol traffic
- D. it drops all incoming Jumbo Frame
- E. it does not participate in the data center Spanning Tree Protocol

Correct Answer: ABE

Section: (none)

Explanation

Explanation/Reference:

Explanation:

<http://h20000.www2.hp.com/bc/docs/support/SupportManual/c02616817/c02616817.pdf>

QUESTION 91

What is required to configure an HP ProLiant BL460c Gen8 memory in lock-step mode?

- A. RBSU must be changed to disable DIMM low voltage mode
- B. Only DIMMs with 1066 MHz native speed can be used
- C. Memory channel three must be empty
- D. All DIMMs must be dual rank

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

Explanation:

<http://bizsupport2.austin.hp.com/bc/docs/support/SupportManual/c03428245/c03428245.pdf>

Memory subsystem architecture

The memory subsystem in this server blade is divided into channels. Each processor supports four channels, and each channel supports two DIMM slots, as shown in the following table.

Channel	Slot	Slot number
1	A	1
	E	2
2*	B	3
	F	4
3	C	8
	G	7
4*	D	6
	H	5

*When high performance heatsinks are installed, DIMM slots 4F and 5H for each processor are unavailable due to the larger size of the heatsinks.

For the location of the slot numbers, see "DIMM slot locations (on page 9)."

This multi-channel architecture provides enhanced performance in Advanced ECC mode. This architecture also enables the Lockstep memory mode.

DIMM slots in this server are identified by number and by letter. Letters identify the population order. Slot numbers indicate the DIMM slot ID for spare replacement.

Lockstep memory configuration

Lockstep mode provides protection against multi-bit memory errors that occur on the same DRAM device. Lockstep mode can correct any single DRAM device failure on x4 and x8 DIMM types. The DIMMs in each channel must have identical HP part numbers.

Lockstep Memory population guidelines

For Lockstep memory mode configurations, observe the following guidelines:

- Observe the general DIMM slot population guidelines (on page 32).
- DIMM configuration on all channels of a processor must be identical.
- In multi-processor configurations, each processor must have a valid Lockstep Memory configuration.
- In multi-processor configurations, each processor may have a different valid Lockstep Memory configuration.
- When high performance heatsinks are installed on the server blade, do not install DIMMs in channel 2 or channel 4.

Feature	UDIMM	RDIMM	LRDIMM	HDIMM
DIMM Sizes Available	2 GB, 4 GB, 8 GB	4 GB, 8 GB, 16 GB	32 GB	16 GB
Low power version of DIMMs available	Yes	Yes	Yes	Yes
Advanced ECC support	Yes	Vac	Yes	Yes
Address parity	No	Yes	Yes	Yes
Rank Sparing	Yes	Yes	Yes	Yes
Lock-Step Mode	Yes	Yes	Yes	Yes
Relative Cost	Lower	Higher	Highest	Higher
Maximum capacity on a server with 16 DIMM slots	128 GB	256 GB	512 GB	N/A
Maximum capacity on a server with 24 DIMM slots	128 GB	384 GB	768 GB	384 GB only

QUESTION 92

A customer needs many HP BladeSystem servers equipped with additional server option

Which HP service should be recommended?

- A. Factory Express
- B. Optimized Care
- C. Configure to Order
- D. Rapid Deployment

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

Explanation:

QUESTION 93

A customer has an HP BladeSystem c7000 environment and wants to add HP external storage. Which HP resources can be used to validate design and compatibility? (Select three)

- A. Support Center
- B. Storage Sizer
- C. Single Point of Configuration Knowledge
- D. Insight Online
- E. SAN Design Reference Guide
- F. Product Datasheets

Correct Answer: BCF

Section: (none)

Explanation

Explanation/Reference:

Explanation:

QUESTION 94

Which log or report is used to verify the Memory Serial Presence Detect (SPD) information on a BladeSystem Gen8 server?

- A. Integrate Management Log(IML)
- B. Insight Diagnostic, Survey report from HP Intelligent Provisioning tool
- C. iLO Diagnostic Log
- D. Onboard Administrator (OA) ShowAll report

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

Explanation:

QUESTION 95

A customer has an LTO-4 tape drive connected to an HP DL380 server. The customer wants to integrate a new backup solution into an HP BladeSystem c7000 enclosure and maximize capacity. Which HP product should be recommended?

- A. SB1760c
- B. SB3000c
- C. x3800sb
- D. SB920c

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

Explanation:

http://h18004.www1.hp.com/products/quickspecs/12729_div/12729_div.PDF

SB3000c is a LTO-5 Ultrium Tape Blade which is read/write compatible with LTO-4 and it has nearly twice the capacity..!

Tape Blade	HP LTO-4 SB1760c Tape Blade	
Dimensions (HxWxD)	2.19 x 7.154 x 20.058 in (5.56 x 18.17 x 50.95 cm)	
Weight (loaded)	11 lb (4.99 kg)	
Capacity	Native	800 GB
	Compressed (assumes 2:1 data compression)	1.6 TB

Tape Blade	HP LTO-5 SB3000c Tape Blade	
Dimensions (HxWxD)	2.19 x 7.154 x 20.058 in (5.56 x 18.17 x 50.95 cm)	
Weight (loaded)	11 lb (4.99 kg)	
Capacity	Native	1.5 TB
	Compressed (assumes 2:1 data compression)	3 TB

QUESTION 96

A customer adds a BL460c G7 Blade to a c-Class enclosure with Virtual Connect (VC) installed, boot the server, and sets PXE on the second NIC in the ROM Base Setup Utility (RBSU). The blade connects, but due to a network issue, does not complete, and the blade is cold booted. Now the blade never connects to the HP Insight Control Deployment Server.

What is needed to enable the blade to always connect to the deployment servers?

- A. Set PXE on the first NIC in the server profile
- B. Enable SmartLink on the VC profile on the second NIC
- C. Set PXE on the second NIC in the VC profile

D. Recreate the VC profile with PXE enabled on the second NIC

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

Explanation:

QUESTION 97

A customer's environment has Insight Remote Support. You just installed a new Windows server and discovered and configured it within the Insight Remote Support user interface

What is the safest way to validate that events will flow correctly?

- A. Send a test trap or test indication from System Management Homepage of the monitored Windows Server
- B. Pull a fan from the monitored Windows Server
- C. Pull a drive from the monitored Windows Server
- D. Send a test trap or test indication from the System Management Homepage of the Central Management Server

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

Explanation:

QUESTION 98

You are at a customer site and need to add new VLANs to an existing Virtual Connect domain. The Virtual Connect Manager displays a message that it is locked, and there is a do not pass sign at the top of the web interface. What could cause this?

- A. The VC domain reached the maximum number of VLANs
- B. The VC firmware is on an old firmware revision
- C. The VC domain is locked by Virtual Connect Enterprise Manager
- D. You do not have proper right to make any VC domain changes

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

Explanation:

QUESTION 99

An engineer reviews a Virtual Connect profile configuration and finds that all of the defined network cards do not have mapping information. What could cause this problem?

- A. The network selected has no valid uplinks
- B. The corresponding server has been switched off
- C. the cable does not connect to the switch
- D. The profile has not been assigned to the server

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

Explanation:

QUESTION 100

You are preparing an intel based HP ProLiant Gen8 Server for installation of a hypervisor. Which advanced RBSU settings should be set? (Select two)

- A. half physical cores per processor disabled
- B. No-Execute Memory Protection disabled
- C. adjacent sector prefetch disabled
- D. No-Execute Memory Protection enable
- E. Virtualization Technology Support enabled
- F. Intel Core C3 state enabled

Correct Answer: DE

Section: (none)

Explanation

Explanation/Reference:

Explanation:

QUESTION 101

An administrator has just installed the latest service pack for Microsoft Windows Server 2008 R2. What else needs to be done to keep the server up to date?

- A. Uninstall Microsoft patches

- B. Delete the temporary install files
- C. Remove older security updates
- D. Re-install the ProLiant Support Pack or HP Service Pack for ProLiant

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

Explanation:

QUESTION 102

You are creating an action plan to troubleshoot an inaccessible EVA LUN. Which steps should your action plan contain? (Select three)

- A. Check Server HBA ports
- B. Check EVA Vdisk presentation
- C. Check switch zoning
- D. Check San switch ifmode
- E. Check Server Array controller

Correct Answer: ABC

Section: (none)

Explanation

Explanation/Reference:

Explanation:

QUESTION 103

Which HP resource provides information on energy and cooling based on utilization scenarios for an HP BladeSystem c-Class system?

- A. Power Advisor
- B. Virtual Connect Enterprise Manager
- C. Utility Ready Blade Reporter
- D. Onboard Administrator

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

Explanation:

QUESTION 104

What should be used to improve iSCSI performance especially for large block application?

- A. jumbo frame and switches with large buffers
- B. Ethernet switches with minimal buffers store and forward enabled
- C. Ethernet switches with minimal buffers and 1500 MTU
- D. a VLAN for every iSCSI path, separating devices and LUNs

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

Explanation: