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HP HP0-S35 EXAM QUESTIONS & ANSWERS

Exam Name: Implementing HP BladeSystem Solutions

Exam A

QUESTION 1

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 2

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:

Reference:

http://www.bestbuybusiness.com/bbfb/en/US/adirect/bestbuy;jsessionid=9C6A367C4845739AEC_BA9338C0DA5FC6.bstby3?cmd=catProductDetail&showAddButton=true&productID=BB1119888_3 (see installed devices/modules qty)

QUESTION 3

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: AC

Section: (none)

Explanation

Explanation/Reference:

Reference: <http://technet.microsoft.com/en-us/library/cc732181%28v=ws.10%29.aspx>

Software requirements for using Hyper-V and Failover Clustering

Network infrastructure and domain account requirements for a two-node failover cluster

You will need the following network infrastructure for a two-node failover cluster and an administrative account with the following domain permissions:

Network settings and IP addresses: When you use identical network adapters for a network, also use identical communication settings on those adapters (for example, Speed, Duplex Mode, Flow Control, and Media Type). Also, compare the settings between the network adapter and the switch it connects to and make sure that no settings are in conflict.

If you have private networks that are not routed to the rest of your network infrastructure, ensure that each of these private networks uses a unique subnet. This is necessary even if you give each network adapter a unique IP address. For example, if you have a cluster node in a central office that uses one physical network, and another node in a branch office that uses a separate physical network, do not specify 10.0.0.0/24 for both networks, even if you give each adapter a unique IP address.

QUESTION 4

HOTSPOT

Match each technology to its description.

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Online Spare Memory

HP SmartMemory

Mirrored Memory

Double-Chip Sparing

Lockstep Memory

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Online Spare Memory

provides full protection against single-bit and multi-bit errors
protect a system's memory from double-bit faults
reliably identifies and verifies if loaded memory is genuine HP
two channel operation as a single channel
designates a populated channel as the spare

HP SmartMemory

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designates a populated channel as the spare

Double-Chip Sparring

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- A.
- B.
- C.
- D.

Correct Answer:

Section: (none)

Explanation

Explanation/Reference:

Online Spare Memory

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Explanation:

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Reference:

<http://h20000.www2.hp.com/bc/docs/support/SupportManual/c00256987/c00256987.pdf> (page 10

"Certification Depends on Only One Thing" - www.actualanswers.com 7 HP HP0-S35 Exam and 11)

QUESTION 5

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:

Reference: http://h18000.www1.hp.com/products/quickspecs/13650_div/13650_div.html (search intelligent PDU extension bars g2)

QUESTION 6

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:

QUESTION 7

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)

QUESTION 8

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)

QUESTION 9

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:

Reference: http://h18004.www1.hp.com/products/quickspecs/12631_div/12631_div.HTML (Insight Control Performance Management, first paragraph)

QUESTION 10

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 11

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 12

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 13

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:

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

single enclosure stacking diagram

Exam B

QUESTION 1

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 2

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:

QUESTION 3

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: B

Section: (none)

Explanation

Explanation/Reference:

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

QUESTION 4

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 5

HOTSPOT

Match each Virtual Connect term with its description.

Shared Uplink Set (SUS)

Virtual Connect Domain

SFP

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Shared Uplink Set (SUS)

VLAN trunk connected to a switch employing 802.1Q VLAN trunking

Hot-pluggable transceiver

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

Virtual Connect Domain

VLAN trunk connected to a switch employing 802.1Q VLAN trunking

Hot-pluggable transceiver

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SFP

VLAN trunk connected to a switch employing 802.1Q VLAN trunking

Hot-pluggable transceiver

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

- A.
- B.
- C.

D.

Correct Answer:

Section: (none)

Explanation

Explanation/Reference:

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VLAN trunk connected to a switch employing 802.1Q VLAN trunking	▼
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Virtual Connect Domain

All stacked VC modules under the control of the same Virtual Connect Manager	▼
VLAN trunk connected to a switch employing 802.1Q VLAN trunking	
Hot-pluggable transceiver	
All stacked VC modules under the control of the same Virtual Connect Manager	

SFP

Hot-pluggable transceiver	▼
VLAN trunk connected to a switch employing 802.1Q VLAN trunking	
Hot-pluggable transceiver	
All stacked VC modules under the control of the same Virtual Connect Manager	

Explanation:

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Reference:

<http://h20000.www2.hp.com/bc/docs/support/SupportManual/c03154250/c03154250.pdf> (second last page)

QUESTION 6

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:

Reference:

http://h20000.www2.hp.com/bc/docs/support/SupportManual/c02278420/c02278420.pdf?jumpid=r eg_R1002_USEN (page 33, resetting the administrator password and DNS settings, first paragraph)

QUESTION 7

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:

QUESTION 8

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/c03467131/c03467131.pdf> (page 6, User interface issues, 10th bulleted point)

QUESTION 9

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: Recommended process: Use the managed system setup wizard HP recommends using the Insight managed system setup wizard to add and apply licenses for Matrix OE. To start the managed system setup wizard, select Configure Managed System Setup Wizard... from the top menu bar. Help is available in each step of the wizard. For more information about the managed system setup wizard, see "Using the Insight managed system setup wizard" (page 20), and the Insight Managed System Setup Wizard Getting Started Guide available from <http://www.hp.com/go/matrixoe/docs>.

QUESTION 10

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: BD

Section: (none)

Explanation

Explanation/Reference:

Explanation:

QUESTION 11

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 12

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 13

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:

Explanation: The OA GUI to Synchronize is on the Insight Display:

<http://h30499.www3.hp.com/t5/HP-BladeSystem-Management/Onboard-Administrator-OA-replacement-procedure/td-p/5929093>

QUESTION 14

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: N+1 and N+2 power mode will give more available power (over half) and can be configured for 1 or 2 powersupply redundancy.

Exam C

QUESTION 1

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 2

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>

QUESTION 3

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: C

Section: (none)

Explanation

Explanation/Reference:

Explanation:<http://h18004.www1.hp.com/products/servers/proliantstorage/rack-options/scs/vm/index-g2.html>

QUESTION 4

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:

QUESTION 5

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:

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

QUESTION 6

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 7

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 8

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 9

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: C

Section: (none)

Explanation

Explanation/Reference:

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

QUESTION 10

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:

QUESTION 11

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 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	Connect
✓	Fabric-A-FcOE	MANUAL	✓ 8 Gb	10:00:00:
✓	Fabric-B-FcOE	MANUAL	✓ 8 Gb	10:00:00:
⚠	Fabric-A	MANUAL	✓ 2 Gb	10:00:00:
			✓ 2 Gb	10:00:00:
			✓ 2 Gb	10:00:00:
			ⓘ 0 Gb	00:00:00:
	Fabric-B	MANUAL	✓ 2 Gb	10:00:00:
			✓ 2 Gb	10:00:00:
			✓ 2 Gb	10:00:00:
			✓ 2 Gb	10:00:00:

+ Add

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- 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: D

Section: (none)

Explanation

Explanation/Reference:

Explanation:

QUESTION 12

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:

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

QUESTION 13

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 14

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 15

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> (page 4, 3rd bulleted point, first sub-bulleted point)

QUESTION 16

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:

QUESTION 17

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:

http://www.vmware.com/pdf/vsp_vum_40_admin_guide.pdf

Exam D

QUESTION 1

What is the definition of RPO?

- A. How many backups you should keep
- B. It is the maximum tolerable period in which data might be lost from an IT service due to a major incident
- C. The point in time where data should be recovered from
- D. The amount of time it takes to recover data

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

The actual test states something slightly different but B is the actual definition of RPO (From wiki)

QUESTION 2

Which filesystems does ESXi 5.0 Support? (Select Two)

- A. VMFS v5
- B. ext 2
- C. ext 3
- D. VMFS v3

Correct Answer: AD

Section: (none)

Explanation

Explanation/Reference:

VMFS stands for Vmware file system, VMFS v 5 is the latest version.

QUESTION 3

What is the definition of a hot aisle in a data center?

- 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:

QUESTION 4

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
- D. Use the NIC's OEM software

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

QUESTION 5

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

- A. VMware Vmotion
- B. Enable DRS
- C. VMware Fault Tolerance
- D. VMware High Availability

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

QUESTION 6

How does Virtual connect manager refer to Fiber Channel ports?

- A. FC Port

- B. FCOE
- C. FCIP
- D. iSCSI

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

QUESTION 7

What protects against an 8bit memory error in a BL460c Gen 8?

- A. Online Memory Spare
- B. Lockstep Memory Mode
- C. Advanced ECC
- D. RAID Memory Mode

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

<http://h18004.www1.hp.com/products/servers/technology/memoryprotection.html>

Dual Memory Board Configuration

Hot Plug Mirrored Memory mode will use the optional memory board to provide complete redundancy and a higher level of memory protection than Online Spare mode. Hot Plug Mirrored Memory will also provide hot-add and hot-replace capability to increase server availability. This capability will be especially useful for businesses that cannot afford downtime and cannot risk waiting until scheduled downtime to replace degraded memory modules.

<http://h30507.www3.hp.com/t5/Eye-on-Blades-Blog-Trends-in/Information-on-DDR3-memory-lock-step-technology/ba-p/47527>

But the quick specs don't note mirrored memory/Raid memory in the Gen 8 460c line, also:

Online Spare Memory mode protects against single-bit errors, but Mirrored Memory mode provides full protection against single-bit and multi-bit errors. For this reason, Mirrored Memory mode is beneficial to businesses that cannot afford downtime and cannot risk waiting until scheduled downtime to replace degraded memory modules.

But Lockstep mode:

Lock-step mode is an advanced memory protection feature supported in many of the G6 servers announced yesterday (3/30/09), including the BL460c G6 and BL490c G6. It takes two of the Xeon 5500 processor's three memory channels and runs them together, which enables 8-bit error correction instead of the 4-bit correction you get in normal Advanced ECC (non-lockstep) mode. Positives:smileysad:1) Achieves the same level of protection as ChipKill*, so there are some additional scenarios in which the system can correct memory errors. Negatives: (1) You have to leave one of the three memory channels on each processor un-populated, so you cut your available number of DIMM slots by 1/3. (2) Performance is measurably slower than normal Advanced ECC mode.(3) You can only isolate uncorrectable memory errors to a pair of DIMMs (instead of down to a single DIMM). Lock-Step mode is not default operation; it must be enabled in RBSU. We don't know how many customers will want to use it. *Normal" ECC can correct single-bit errors and detect double-bit errors. HP's term "Advanced ECC" means that the server corrects single-bit errors, detects multi-bit errors, and corrects some multi-bit errors that occur on the same DRAM. Advanced ECC is not the exact same thing as ChipKill, which is an IBM term. In some but not all scenarios, Advanced ECC offers the same protection as ChipKill.

We are updating the "HP Advanced Memory Protection technologies - Technology Brief" to include info about new features like this.<http://h18004.www1.hp.com/products/servers/technology/whitepapers/index.html?jumpid=servers/technolo...>

I think this is a trick question Online Mirrored Memory mode, would be my first pick, but if not available Lockstep memory mode, since it's the only one that protects against 8 bit memory mode AND is available on Gen 8 BL460c Blades. It could also be Advanced ECC if it asks more specifically what protects against multi-bit errors in 8 bit segments

QUESTION 8

10. What is required to configured Lockstep mode on a BL460 Gen 8? (Could be G7)

- A. 1066 Mhz memory configuration
- B. Dual rank memory configuration
- C. Low power disabled
- D. An Empty Dimm channel

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

Answer:

<http://h30507.www3.hp.com/t5/Eye-on-Blades-Blog-Trends-in/Information-on-DDR3-memory-lock-step-technology/ba-p/47527>

QUESTION 9

What is required on a server to use Server Deployment in Insight control?

- A. PXE
- B. DNS

- C. DHCP
- D. SNMP

Correct Answer: AC

Section: (none)

Explanation

Explanation/Reference:

QUESTION 10

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

- A.
- B. A user is connected to ILo
- C. There is an issue that needs to be addressed
- D.

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

QUESTION 11

What color is the LED on the fan if a fan fails?

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

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

LED color Fan status Solid green

The fan is working.

Solid amber The fan has failed.

Flashing amber See the Insight Display screen.

QUESTION 12

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

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

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

How to use Diskpart.exe to extend a data volume in Windows Server 2003, in Windows XP, and in Windows 2000

You can use the Diskpart.exe utility to manage disks, partitions, and volumes from a command-line interface. You can use Diskpart.exe on both Basic disks and Dynamic disks. If an NTFS volume resides on a hardware RAID 5 container that can add space to the container, you can extend the NTFS Volume with Diskpart.exe while the disk remains a Basic disk.

Use the extend command to incorporate unallocated space into an existing volume while preserving the data.

The following are the requirements for the extend command:

The volume must be formatted with the NTFS file system.

For Basic volumes, the unallocated space for the extension must be the next contiguous space on the same disk.

For Dynamic Volumes, the unallocated space can be any empty area on any Dynamic disk on the system.

Only the extension of data volumes is supported. System or boot volumes may be blocked from being extended, and you may receive the following error:

Diskpart failed to extend the volume. Please make sure the volume is valid for extending

You cannot extend the partition if the system page file is located on the partition. Move the page file to a partition that you do not want to extend.

QUESTION 13

You want to create a 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 License
- D. ORCA

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

QUESTION 14

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

- A. Fans
- B. Power Supply
- C. Disks
- D. CPU
- E. Memory

Correct Answer: E

Section: (none)

Explanation

Explanation/Reference:

HP Advanced Error Detection Technology

HP products have supported Memory Pre-failure Alert for many generations. This technology is designed to notify users when a DIMM is at increased risk of receiving an uncorrectable memory error, which will bring the system down. The idea is to proactively notify customers so that downtime can be scheduled to replace a degraded DIMM rather than having a DIMM fail and result in unplanned downtime.

Exam E

QUESTION 1

What is the speed of the network on the ILo management port in Gen 8?

- A. 10Gbps
- B. 1Gbps
- C. 100Mbps
- D. 10Mbps

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

Ilo4 is 1Gbps / Ilo 2/3 is 10/100Mbps

QUESTION 2

What are three troubleshooting areas to start with for a Fiber Channel EVA array? (Choose 3)

- A. Server Smart array
- B. FC Zoning
- C. IFM on the SAN switch
- D.
- E.

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

QUESTION 3

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:

QUESTION 4

What describes the flex fabric module: (choose 2)

- A. Does not participate in STP (Spanning tree protocol)
- B. Ignores Link Layer Protocol Detection (LLDP)
- C. Drops jumbo frames
- D. passively handles LACP packets

Correct Answer: AD

Section: (none)

Explanation

Explanation/Reference:

VC Ethernet modules use standard Ethernet bridge circuitry with special firmware so that they function as a configurable Ethernet port aggregator. For a specific external data center connection, only the selected server NIC ports are visible on what appears to be an isolated, private, loop-free network. The VC Ethernet module uplinks do not participate in the data center Spanning Tree Protocol or other switch management protocols that could disrupt the data center network. The VC environment supports IEEE 802.1Q VLAN tagging, 802.3ad Link Aggregate Control Protocol (LACP), and 802.1ab Link Layer Discovery Protocol (LLDP). VLAN tagging allows a shared uplink set to carry traffic from multiple networks.

QUESTION 5

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
- 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:

QUESTION 6

How to find out what version of SAS firmware is installed in a HP BL460C

- A.
- B. HP Insight Diagnostics / Smart Start CD
- C. HP SUM
- D.

Correct Answer: BC

Section: (none)

Explanation

Explanation/Reference:

Before beginning the upgrade procedure, you must gather certain information about the hardware that is being upgraded so that you use the correct Smart Component. Table 1 Information required to upgrade the ROM

Item being upgraded Information needed Controller • Controller model number • Existing controller ROM version number • Controller driver version number • Information about each hard drive connected to the controller (see the following table entry) Hard drive • Hard drive model number • Existing hard drive ROM version number

To obtain this information, use one of the following tools: • HP Insight Diagnostics, available on version 7.00 or later of the HP SmartStart CD • The HP Survey Utility, available on the Management CD or from the HP storage support page at <http://www.hp.com/support/proliantstorage> • The HP Smart Update Manager utility, available on the HP ProLiant Firmware Maintenance CD version 7.50 or later

QUESTION 7

What software is required before Virtual Connect Manager 3.4.x can be installed?

- A. Adobe Reader
- B. Version Control Agent
- C. Adobe Flash
- D. Windows Service pack

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

QUESTION 8

How do you backup OA setting if all settings are lost?

- A. Copy OA configuration Script
- B. Take a screen shot of the OA page
- C. Take a screen of the Virtual Connect manager settings
- D. Save all the blade settings on each individual blade

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

QUESTION 9

If using D2200SB was is needed to create a shared lscsi storage solution?

- A. P770 controller
- B. 1GB FWBC Cache
- C. Virtual Storage Appliance (VSA)
- D.

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

QUESTION 10

You have email alerts configuration in HP SIM and you keep receiving alerts for non-disruptive failures, how do you change the settings to stop receiving these false positives in HP SIM?

- A. Increase retries from 1 to 5
- B. adjust from discovery page, the settings
- C. adjust time it has to be unavailable.
- D. turn all notifications off

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:**QUESTION 11**

What Network RAID level requires you to power off the drive in the CMC Administration console, On a P4000.

- A. Raid 0
- B. Raid 1
- C. Raid 5
- D. Network Raid 10
- E. Network Raid 10+1
- F. Network Raid 10+2

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

It would have to be Raid 0, because if you had the other network raid levels you would not be required to power off the drive.

Repairing a storage system Repairing a storage system allows you to replace a failed disk in a storage system that contains volumes configured for data protection levels other than Network RAID-0, and trigger only one resync of the data, rather than a complete restriping. Resyncing the data is a shorter operation than a restripe.

Prerequisites • Volume must have Network RAID-10, Network RAID-10+1, Network RAID-10+2, Network RAID- 5, or Network RAID-6. • Storage system must have the blinking red and yellow triangle in the navigation window.

184 Working with clusters

• If the storage system is running a manager, stopping that manager must not break quorum.

How repair storage system works Using Repair Storage System to replace a failed disk includes the following steps: • Using Repair Storage System from the Storage System Tasks menu to remove the storage system from the cluster • Replacing the disk in the storage system • Returning the storage system to the cluster Because of the data protection level, removing and returning the storage system to the cluster would normally cause the remaining storage systems in the cluster to restripe the data twice—once when the storage system is removed from the cluster and once when it is returned. The Repair Storage System command creates a placeholder in the cluster, in the form of a “ghost” storage system. This ghost storage system keeps the cluster intact while you remove the storage system, replace the disk, configure RAID, and return the storage system to the cluster. The returned storage system only has to resynchronize with the other two storage systems in the cluster.

QUESTION 12

n/a

Case Study Title (Case Study):

IML Log:

Records hardware events and stores them in a neatly formatted table. It records time-stamp and event categories like critical, caution, repaired and

status

SPD / DSP ? questions

Another HP UX question

Smart array pack – what are the features

HP Smart Array Advanced Pack (SAAP) delivers value added software features with the Smart Array Controller, which will further enhance performance, reliability, and availability of customer data. These features will be delivered to the customer via a license key which enables the functionality on the Smart Array Controller Hardware. These licensed features provides an easy key activation to enable features such as added RAID protection with RAID 6 (Advanced Data Guarding) & 60 providing advanced drive/data protection. Other features include more secure methodology to erase drives offering more security, performance improvements for video streaming among other advancements.

Information on Intellegent provisioning

Intelligent Provisioning provides similar functionality as SmartStart, but has some significant enhancements that SmartStart did not have such as:

Ability to update your drivers and systems software by connecting directly to HP.com and perform firmware updates and install an OS in the same step

Provision a server remotely using HP iLO 4

Remote Support registration

Revised and simplified user interface (UI) with the following capabilities:

A new "Recommended Install" for quick one-click, simple fast installation. This express installation process has preset defaults and will perform a software and firmware update if the network is available at your location. (Recommend that you use the HP suggested defaults.)

The "Customized Install" (often called Guided or Assisted install) has been simplified, updated, and refreshed. This is the full HP interview with a start to finish wizard for deploying HP ProLiant Gen8 servers. It provides the network setup, remote support registration, the systems software, driver and firmware update, the server hardware configuration, RAID configuration, and OS installation.

This interview process is also much faster than in the past and includes software driver and firmware updates as part of the interview process.

A much simplified "Manual Install" is provided that automates finding your drivers without you searching the web.

- A.
- B.
- C.
- D.

Correct Answer:

Section: (none)

Explanation

Explanation/Reference: