HP

Exam HP0-S35

Implementing HP BladeSystem Solutions

Version: 8.4

[Total Questions: 181]

Question No : 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

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

Question No : 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

Answer: C

Explanation:

http://h10010.www1.hp.com/wwpc/us/en/sm/WF05a/3709945-3709945-3710114-3722820-3722776-4304942.html?dnr=1

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.

Question No : 3

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

Answer: A

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

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

Question No : 4

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

Answer: C,D
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 No : 5

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

Answer: D

Question No : 6 HOTSPOT

Match each technology to its description.

Online Spare Memory

HP SmartMemory

Mirrored Memory

Double-Chip Sparing

Lockstep Memory

Online Spare Memory

provides full protection against single-bit and multi-bitt 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 channel1 as the spare

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Question No : 7

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

Answer: C

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 No : 8

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

Answer: C

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 No : 9

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

Answer: A

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 severs 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 No : 10

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

Answer: A

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

1

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.

2

If applicable, click Apply Recommendations.

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

Question No : 11

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

Answer: C

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.