HP2-T16^{Q&As}

Industry Standard Architecture and Technology

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QUESTION 1

Which command can be used to verify connectivity to a client machine?

A. ping

B. nslookup

C. nbstat

D. ipconfig

Correct Answer: A

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\viewkind4\uc1\pard\lang2052\f0\fs17 Industry Standard Architecture - Student Guide 2 - Page 156:\par ping---This
command is used to test network connectivity. It sends a packet of data to the other network device that you have
specified by providing its IP address. If a reply is returned to you, connectivity is confirmed. If you do not get a reply,
either your device or the one you tried to contact are not available to the network. The command output also reports
how long the reply took, which can indicate the level of traffic congestion.\par }

QUESTION 2

How many independent parity schemes are utilized for a RAID 6 array?

A. 1

B. 2

C. 4

D. 6

Correct Answer: B

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\viewkind4\uc1\pard\lang2052\f0\fs17 Industry Standard Architecture - Student Guide 1 - Page 262:\par RAID 6
performance\par RAID 6 employs two independent parity schemes. Two sets of parities must be modified for each
logical write operation, which requires six physical transfers---three reads and three writes.\par }

QUESTION 3

Which server provides resolution from the hostname to the IP address?

A. FTP

B. PXE

C. DNS

D. DHCP

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Correct Answer: C

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\viewkind4\uc1\pard\lang2052\f0\fs17 Industry Standard Architecture - Student Guide 1 - Page 17\par Domain Name
Server (DNS) ?Provides resolution from hostnames to IP addresses and so forth\par }

QUESTION 4

You have a disk enclosure with 14 x 72GB Wide-Ultra2 SCSI hard disks connected. You add an additional disk
enclosure with 8 x 146GB Hot-Pluggable Ultra320 SCSI hard disks to an array controller. To optimize performance, you
move 3 x

72GB Ultra2 hard disks to a new enclosure to balance the number of hard disks across two channels.

The disks in the new enclosure are not working correctly and the disks are not seen in the array controller management
tool. There are no conflicting device IDs and termination is correct. All enclosures were powered on before powering up

the server. What are the possible causes of the problem? (Select two)

A. Ultra320 SCSI devices cannot be mixed with Wide-Ultra2 SCSI devices.

B. You must update the SCSI Controller BIOS to the latest supported revision.

C. The cables and/or connectors are faulty or not properly seated.

D. The number of disks exceeds the capability of the controller.

E. The SCSI I/O module on the disk enclosure is faulty.

Correct Answer: BD

QUESTION 5

What happens when you install a 66Mhz, 32-bit PCI card in a 33MHz, 64-bit PCI slot?

A. The 66MHz, 32-bit card operates at 33MHz in 64-bit mode.

B. The 66MHz, 32-bit card operates at 66MHz in 32-bit mode.

C. All 33MHz, 64-bit cards on the PCI bus operate like 33MHz, 32-bit cards.

D. The 66MHz card operates at 33MHz.

Correct Answer: D

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\viewkind4\uc1\pard\lang2052\f0\fs17 The rules that govern the use of PCI cards are as follows:\par A 66MHz PCI card
can be used on a 33MHz PCI bus.\par A 33MHz card in a 66MHz PCI bus automatically operates at 33MHz.\par A
32-bit PCI card can be installed in a 64-bit PCI slot.\par A 64-bit card can be installed in a 32-bit slot and will work in
32-bit mode. \par A PCI bus can be so heavily used that it becomes a performance bottleneck. It is best to plan for
optimal performance when configuring the PCI devices.\par To provide optimal configuration:\par

1.

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Match 66MHz slots with 66MHz devices.\par

2.

Match 32-bit slots with 32-bit devices.\par

3.

For the remaining devices, proceed as follows:\par If you have available 32-bit slots, place the minimum number of 64-bit devices in the 32-bit slots, using the devices with the lowest throughput.\par If you still have more devices than available 64-bit slots, the 66MHz slots will have to run at 33MHz (64- bit).\par }

QUESTION 6

In the GFS backup tape rotation plan, which type of backup is the Grandfather?

A. copy

B. normal

C. differential

D. incremental

Correct Answer: B

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\viewkind4\uc1\pard\lang2052\f0\fs17 Industry Standard Architecture - Student Guide 2 - Page 302\par Grandfather-Father-Son tape rotation The Grandfather-Father-Son (GFS) tape rotation scheme is the most commonly used and requires a weekly backup capacity of at least double the server storage capacity. It uses three levels of backup to provide redundancy and security. Among other things, this scheme allows for different levels of data retention. The system administrator can select which generation of tapes to store temporarily and which to archive.\par GFS backup requires the following:\par Monthly grandfathers\par Weekly fathers\par Daily sons\par Example\par The system administrator typically performs a full backup every Monday (father) and incremental backups on Tuesdays, Wednesdays, and Thursdays (sons). The administrator performs another full backup at the end of the week (father) and another at the end of the month (grandfather).\par }

QUESTION 7

Which protocols are support in FC-SAN? (Select three)

A. Arbitrated Loop

B. Ethernet

C. Switched Fabric

D. Point to Point

E. CSMA/CD

F. Token Ring

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Correct Answer: ACD

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\viewkind4\uc1\pard\lang2052\f0\fs17 Industry Standard Architecture - Student Guide 2 - Page 15\par Fibre Channel
technology greatly enhances flexibility by providing the following advantages:\par Multiple topologies (point to point,
arbitrated loop, and switched fabric)\par }

QUESTION 8

Your customer wants to use Microsoft Windows Clustering for high availability. Which storage technology is best suited
for this?

A. Windows dynamic disks

B. Fiber Channel SAN

C. SATA II Point to Point

D. Duplexed Array Controllers

Correct Answer: B

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\viewkind4\uc1\pard\lang2052\f0\fs17 Industry Standard Architecture - Student Guide 2 - Page 14:\par Fibre Channel
benefits\par Fibre Channel technology provides the fundamental building blocks of storage area networks (SANs),
Enterprise Network Storage Architecture (ENSA), and many high-availability and clustering implementations.\par }

QUESTION 9

What is provided by the serial port hardware interface for managing network devices?

A. scalability

B. ability to offload functions from the host

C. well-defined communications standards

D. caching and advanced functions

Correct Answer: B

QUESTION 10

Which tool does Windows provide to monitor and trend system performance?

A. Component Service

B. Windows Analyzer

C. Service Manager

D. System Monitor

Correct Answer: D

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\viewkind4\uc1\pard\lang2052\f0\fs17 Industry Standard Architecture - Student Guide 2 - Page 243\par Evaluating
performance in a Windows environment\par Windows System Monitor\par You can use the System Monitor for real-time
monitoring and logging for a baseline.\par Over time, this data can help identify system bottlenecks. In Windows Server
2003 and earlier versions, the System Monitor is located under the Administrative Tools icon in the Control Panel.\par }

QUESTION 11

Which major challenges of I/O virtualization do Virtual Machine Managers need to address? (Select two)

A. WWN virtualization

B. DMA virtualization

C. IRQ virtualization

D. port virtualization

E. MAC virtualization

Correct Answer: AE

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\viewkind4\uc1\pard\lang2052\f0\fs17 Industry Standard Architecture - Student Guide 1 - Page 186:\par Server-edge I/O
virtualization\par In server-edge I/O virtualization an abstraction layer is created between a pool of blade servers and the
external LAN and SAN networks to which they are connected.\par This technoloy enabled infrastructure can then
present the network with a constant set of media access control (MAC) addresses and World Wide Names (WWNs) for
each server bay in an enclosure.\par }

QUESTION 12

Which Linux utility helps you obtain information about I/O and processor statistics?

A. iostat

B. ioutil

C. vmstat

D. cpuinfo

Correct Answer: A

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\viewkind4\uc1\pard\lang2052\f0\fs17 Industry Standard Architecture - Student Guide 2 - Page 219\par iostat
---Measures I/O and processor statistics for devices and partitions.\par }

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QUESTION 13

Why should server firmware be updated to the most recent version? (Select two)

A. to maintain a valid warranty

B. to fix problems from earlier versions

C. to support new features

D. to refresh changes that a user has edited in the existing firmware

E. to support leagcy features

Correct Answer: BC

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\viewkind4\uc1\pard\lang2052\f0\fs17 Industry Standard Architecture - Student Guide 2 - Page 178:\par Adapter
firmware upgrades\par A firmware upgrade may also be required for various SCSI, RAID, or fibre channel adapters in
order to support new features, ensure compatibility, or correct bugs in the code for their controllers.\par }

QUESTION 14

What is the virtual machine instance commonly called?

A. guest

B. host

C. partition

D. hypervisor

Correct Answer: A

QUESTION 15

Which transfer rate does USB 2.0 support?

A. 32Mb/s

B. 64Mb/s

C. 64Mb/s to 120Mb/s

D. 120Mb/s to 240Mb/s

Correct Answer: D

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\viewkind4\uc1\pard\lang2052\f0\fs17 Industry Standard Architecture - Student Guide 1 - Page 183\par USB 2.0 extends
the capabilities of the interface from 12Mb/s (200 x 56Kb/s) to between 120 and 240Mb/ s.\par }

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