



Exam : HP0-255

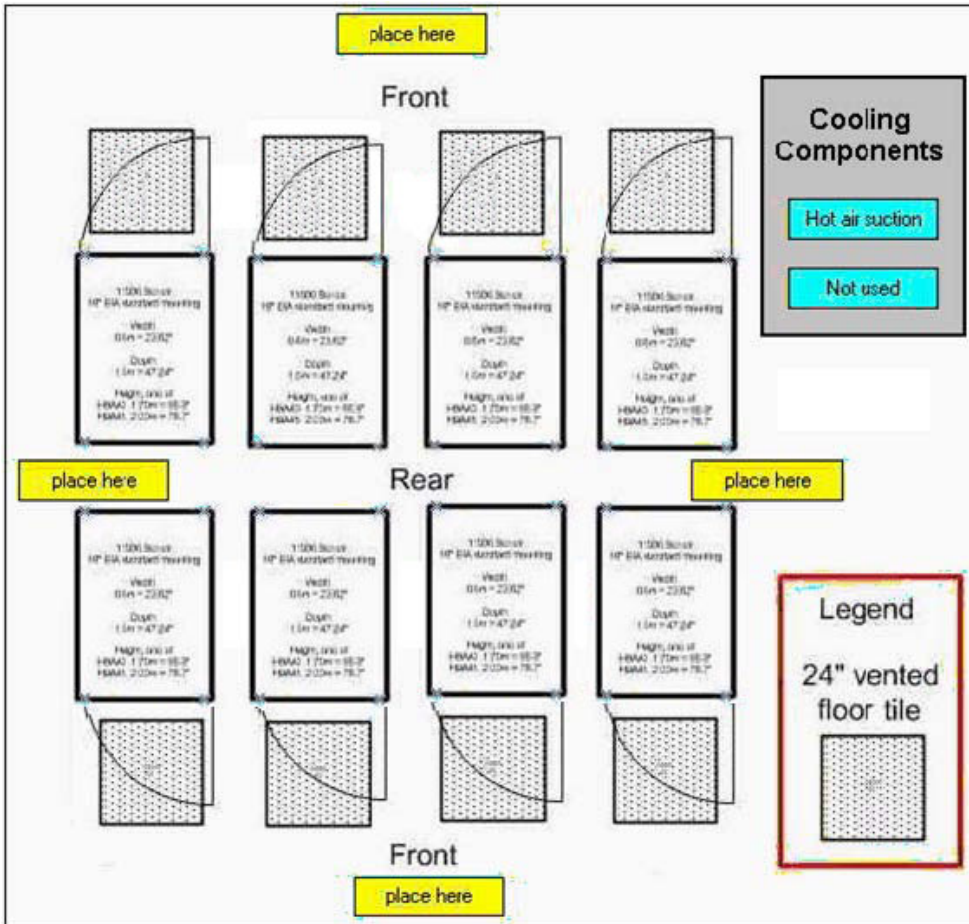
Title : Planning & Design of HP Integrity
Mid-Range Server Solutions

Ver : 04-08-2009

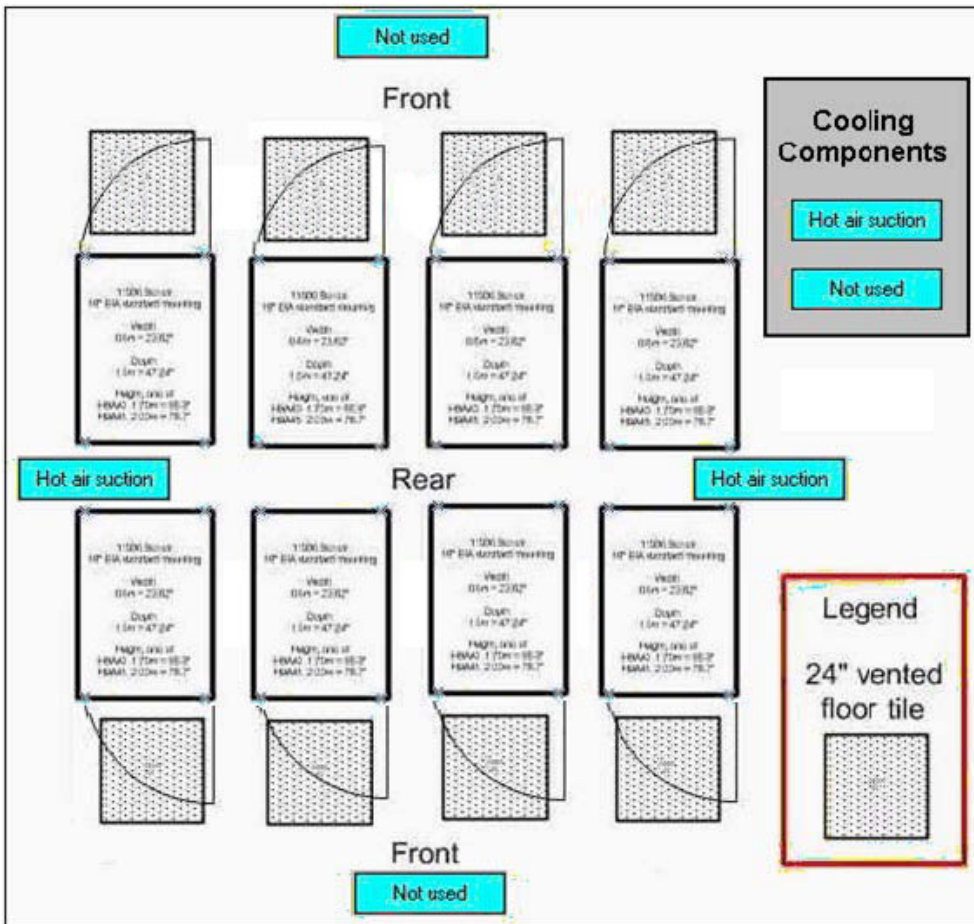
QUESTION 1:

DRAG DROP

Correctly place each cooling component in the floor layout.



Answer:



QUESTION 2:

Certkiller .com will deploy a fully loaded rx8620 with a Server Expansion Unit (SEU). The server and SEU will be equipped with redundant power supplies. Power will be supplied via 30-amp PDUs, configured for redundancy. How many 30-amp PDUs will be required?

- A. two
- B. three
- C. four
- D. six

Answer: C

QUESTION 3:

On an HP Integrity mid-range server, what is the minimum amount of DIMMs you can order for a memory upgrade?

- A. 1
- B. 2
- C. 4
- D. 8

Answer: C

QUESTION 4:

The rx8620 Itanium server includes which high-availability features? Select TWO.

- A. three independent Ultra SCSI buses to internal disks
- B. online CPU replacement
- C. Dynamic Processor resilience and deallocation
- D. N+3 power inputs
- E. online addition and replacement of PCI I/O cards

Answer: C,E

QUESTION 5:

Which HP disaster-tolerant solution is most appropriate when customer's data centers are located at a great distance from each other, and multiple clusters need to be managed and protected?

- A. Local MC/SG Cluster
- B. Extended Campus Cluster
- C. MetroCluster
- D. ContinentalCluster

Answer: D

QUESTION 6:

Certkiller .com wants to install Microsoft Windows Server 2003 (64-bit) on one of the rx8620 partitions. He has two criteria:

1. The rx8620 partition should boot from SAN.
2. Memory and file I/O access latency in that partition needs to be kept to a minimum.

What kind of system design would HP recommend in this case?

- A. Select "No paging file" on Windows virtual memory settings.
- B. Select "System managed size" on Windows virtual memory settings.
- C. Locate pagefile.sys to disks that are built into the server using its internal data paths.
- D. Increase the pagefile.sys size to four times the amount of physical memory.

Answer: C

QUESTION 7:

You want to add a PCI card to an rx7620 running HP-UX. Which tools can you use to do that online? Select TWO.

- A. Partition Manager
- B. Availability Manager
- C. System Administration Manager
- D. Process Resource Manager
- E. SCSI Command Utility (SCU)

Answer: A,C

QUESTION 8:

Which high-availability features are standard on the rx7620 server? Select TWO.

- A. online processor replacement
- B. dual parity protection of data and address buses
- C. N+1 hot-swap cooling
- D. four independent Ultra160 buses to internal disks
- E. online addition and replacement of PCI I/O cards

Answer: C,E

QUESTION 9:

DRAG DROP

Match each Utility Pricing Approach with its corresponding characteristic.

Characteristics	Utility Pricing Approach
place here capacity activation for memory	PPU
place here variable rate lease for CPU enablement	TICAP
place here activation only, for CPUs	ICAP
place here activation and deactivation, for CPUs	CICAP

Answer:

ciCAP	capacity activation for memory
PPU	variable rate lease for CPU enablement
iCAP	activation only, for CPUs
TiCAP	activation and deactivation, for CPUs

QUESTION 10:

On an rx8620 server, where does the hot air leave the system?

- A. front
- B. rear
- C. bottom
- D. top

Answer: B

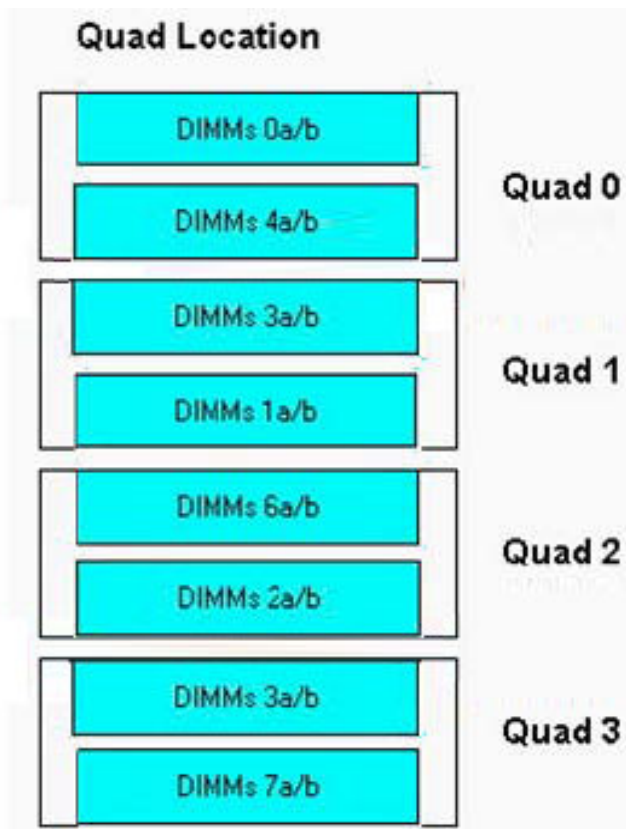
QUESTION 11:

DRAG DROP

An rx8620 server cell board has four different memory quads.
Move the DIMMs to the correct quad location.



Answer:



QUESTION 12:

Certkiller .com has an rx8620 with an HP Smart Array 6402 controller and four disks connected. Which RAID type should you configure to ensure fault tolerance and best write performance?

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

Answer: C

QUESTION 13:

Certkiller .com currently has an rx8620 server with eight CPUs on two cell boards, and has decided to consolidate more services to the machine. He wants to have three nPars with four CPUs each. Which is the best solution to satisfy the customer with the least cost and smallest change to the existing design?

- A. Add a Server Expansion Unit (SEU) and four CPUs to the customer's existing server.
- B. Upgrade the customer's existing server to MX2 CPUs.
- C. Replace the existing server with a 16-way Superdome, placing four CPUs in iCAP.
- D. Add eight CPUs to the customer's existing server, placing four CPUs in iCAP.

Answer: A

QUESTION 14:

You completed a mid-range HP Integrity server design for a specific customer requirement. Which function helps you to visualize the configuration?

- A. a printed Performance Quick Reference Tool (PQRT) diagram
- B. Visio Export from SalesBuilder for Windows
- C. a picture copied from the HP Configuration Guide
- D. a printed Microsoft Excel spreadsheet with part lists

Answer: B

QUESTION 15:

You are a network administrator at Certkiller .com and are deploying an rx8620 server and would like the system to be manageable via HP Systems Insight Manager. What must be installed if the server is running Windows Server 2003?

- A. HP CIM/XML WMI Mapper

- B. System Configuration Utility
- C. Version Control Repository Manager
- D. HP Integrity Support Pack

Answer: D

QUESTION 16:

DRAG DROP

Drag and place each memory protection feature of Integrity rx7620-16 and rx8620-32 servers with the appropriate type of memory failure.

place here

place here

place here

place here

Memory Failure Type

DRAM chip error on a DIMM

a location in memory exhibits persistent errors

application-locked memory, resulting in no possible access

data corruption due to the correct data written to the wrong location

"Chip spare"like tolerance

Address/Control Parity

Hardware memory scrubbing

Dynamic memory resiliency

Memory Protection Features

Answer:

Memory Failure Type	
*Chip spare*like tolerance	DRAM chip error on a DIMM
Hardware memory scrubbing	a location in memory exhibits persistent errors
Address/Control Parity	application-locked memory, resulting in no possible access
Dynamic memory resiliency	data corruption due to the correct data written to the wrong location

QUESTION 17:

Certkiller .com would like to secure their server management for an HP Integrity rx7620-16 server. Which security precaution is provided within the Management Processor?

- A. Secure Sockets Layer (SSL) encryption
- B. Role-based Access Control
- C. IPSec
- D. Kerberos authentication

Answer: A

QUESTION 18:

In preparation for talking to Certkiller .com about the differences among several server options, you go to the HP Product Bulletin site. What useful resource is available from there?

- A. up-to-date Golden Eggs
- B. the latest QuickSpec releases
- C. the new SalesBuilder for Windows (SBW) configurations
- D. the most recent Performance Quick Reference Tool (PQRT) data

Answer: B

QUESTION 19:

Certkiller .com has an rx8620 server with an HP Smart Array 6402 Controller and two disks connected. Which RAID type can you configure to ensure fault tolerance?

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

Answer: B

QUESTION 20:

DRAG DROP

You are a network administrator at Certkiller .com and are requested to verify a solution configuration using SalesBuilder for Windows (SBW). Put the steps in the correct order.

Solution Description:

HP Integrity Server rx7620, two hardware partition with utility metering

Step 1	Verify Support requirment
Step 2	Verity Utility Metering selection
Step 3	Verify OS types support
Step 4	Verify processor and memory
Step 5	Verify Partition rules

Answer:

Verify Support requirement

Verify processor and memory

Verify Utility Metering selection

Verify OS types support

Verify Partition rules

QUESTION 21:

Certkiller .com needs to upgrade and migrate his On-Line Transaction Processing (OLTP) database from a Solaris SPARC platform. He is considering the HP Integrity server line to consolidate the data center environment. Which resource would you use to match and size the OLTP environment to an HP Integrity server platform running HP-UX11i v2?

- A. Performance Quick Reference Card (PQRC)
- B. Performance Quick Reference Tool (PQRT)
- C. Microsoft SQL Server Sizing Tool for Integrity (ActiveAnswers Tools)
- D. Enterprise Configurator (eCo)

Answer: B

QUESTION 22:

Certkiller .com has an rx8620-32 server that is backed up nightly across the LAN to an HP StorageWorks tape library. The backup has begun to exceed the customer's backup window and they have asked you for a solution. You propose moving the library to the customer's SAN to reduce LAN contention. What components are needed to do this? Select TWO.

- A. HP Network Storage Router (NSR)
- B. HP Business Copy software
- C. Backup software SAN option
- D. HP Continuous Access software
- E. HP File System Extender (FSE) option

Answer: A,C

QUESTION 23:

Certkiller .com has an rx8620 server connected to an HP EVA8000 via a SAN infrastructure. He needs to have the capability to perform a storage volume snapshot on an Oracle database that is running on that Integrity server. Which software application is needed?

- A. System Management Homepage
- B. Business Copy EVA
- C. Storage Essential Enterprise Edition
- D. Continuous Access EVA

Answer: B

QUESTION 24:

In an HP Integrity Serviceguard clustered environment, you need the highest availability storage area network (SAN) architecture with no-single-point-of-failure. Which SAN topology would you choose?

- A. Private loop
- B. Dual fabric
- C. Ring fabric
- D. Cascade

Answer: B

QUESTION 25:

Certkiller .com has multiple data protection requirements:

- real-time data replication
- near-online storage capability
- space-efficient point-in-time copies

Which single HP StorageWorks array provides all of these capabilities?

- A. HP StorageWorks XP
- B. HP StorageWorks Enterprise Virtual Array (EVA)
- C. HP StorageWorks Modular Smart Array (MSA)
- D. HP StorageWorks Disk System (DS)

Answer: B

QUESTION 26:

Which statement best describes the mx2 technology?

- A. It is a protocol for dual-core CPU arbitration of a shared data cache.
- B. It is the code name for "Merced eXtended," the dual-core Itanium design.
- C. It is the code name for the cell board required to support the dual-core Itanium CPU.
- D. It is an HP/Intel-designed component that allows two Itanium CPUs to be installed in one socket.

Answer: D

QUESTION 27:

One of your colleagues creates a design for a new rx8620 server and asks you to cross-check it. Using SalesBuilder for Windows (SBW), what is the first element you should verify to be supported?

- A. the chosen operating system
- B. the PCI cards
- C. the partitioning scheme
- D. the cell selection

Answer: A

QUESTION 28:

Certkiller .com has asked for a system to be designed that will be installed in a different country. Before building the initial design using SalesBuilder for Windows, what modification do you need to make in the Global Options window?

- A. disable error notifications
- B. change localization settings
- C. update peripheral settings
- D. turn on the quote indicator

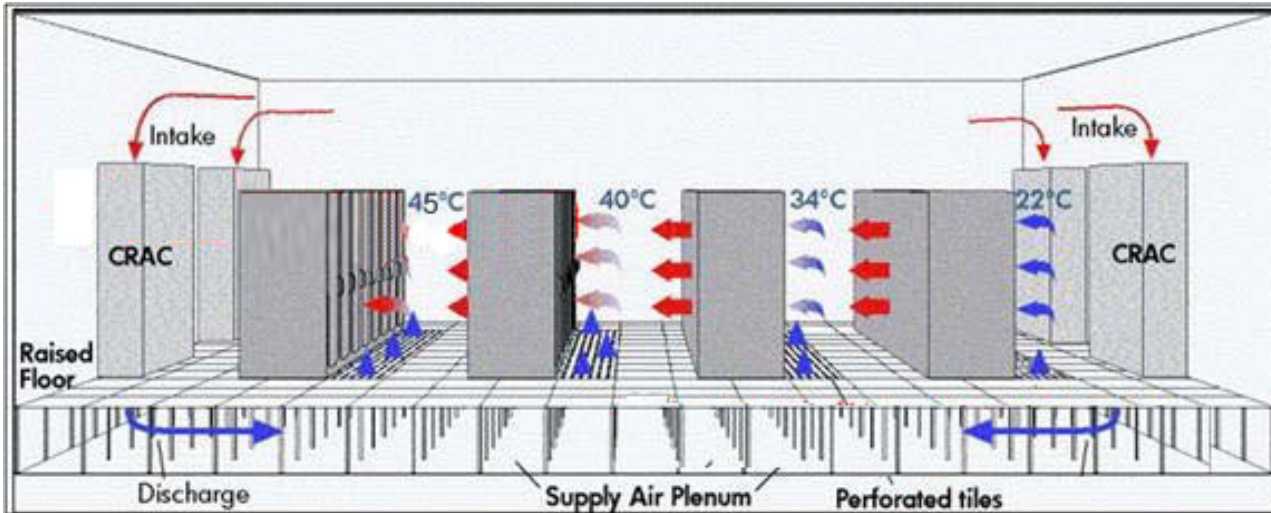
Answer: B

QUESTION 29:

Study the exhibit.

Which statement is correct about the design of the server room?

Exhibit:



- A. The perforated tiles in the raised floor are in the wrong place.
- B. Only two consecutive rows of racks may be oriented in the same direction.
- C. It is a valid classic design that does not present any problems.
- D. The rows of racks are not correctly oriented; they must stand front-to-front.

Answer: D

QUESTION 30:

You are a network administrator at Certkiller .com and are verifying an Integrity solution. Which HP tools help you to verify your solution against performance requirements and buildability? Select TWO.

- A. SalesBuilder for Windows (SBW)
- B. Performance Advisor
- C. SWD Sizer
- D. Performance Quick Reference Tool (PQRT)
- E. Custom Builder

Answer: A,D

QUESTION 31:

Which is the best resource to determine the product number needed to quote iCAP for Certkiller .com? Select TWO.

- A. HP Product Bulletin
- B. Configuration Guide
- C. HP Factory Express
- D. Enterprise Configurator (eCo)
- E. Performance Quick Reference Guide (PQRT)

Answer: A,B

QUESTION 32:

Which tools have export capabilities to SalesBuilder for Windows? Select TWO.

- A. HP Performance Quick Reference Tool (PQRT)
- B. HP Enterprise Configurator (eCo)
- C. HP StorageWorks Sizing Tool (NSS Sizer)
- D. HP SAN Design Reference Guide (SDRG)
- E. HP Enterprise Backup Sizing Tool (EBS)

Answer: B,C

QUESTION 33:

Which HP Itanium servers can support running Windows, Linux, and HP-UX simultaneously?

- A. rx8620 and rx7620
- B. rx5670 and rx7620
- C. rx4640 and rx8620
- D. rx8620 and Integrity Superdome

Answer: D

QUESTION 34:

How many power cords provide maximum fault tolerance for an Integrity rx8620-32 server?

- A. two
- B. four
- C. eight
- D. six

Answer: B

QUESTION 35:

When inserting a new system onto the SalesBuilder for Windows Configurator using Insert from the menu bar, what is the next step?

- A. Select a system from the list.
- B. Select an operating system.

- C. Select the pricebook to be used.
- D. Select the product category.

Answer: D

QUESTION 36:

How many independent power circuits does an rx7620 server require to be fully redundant?

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

Answer: B

QUESTION 37:

If your SalesBuilder for Windows (SBW) price book is out of date, SBW will change the status to "Update required" in the listing. At how many days old does this happen?

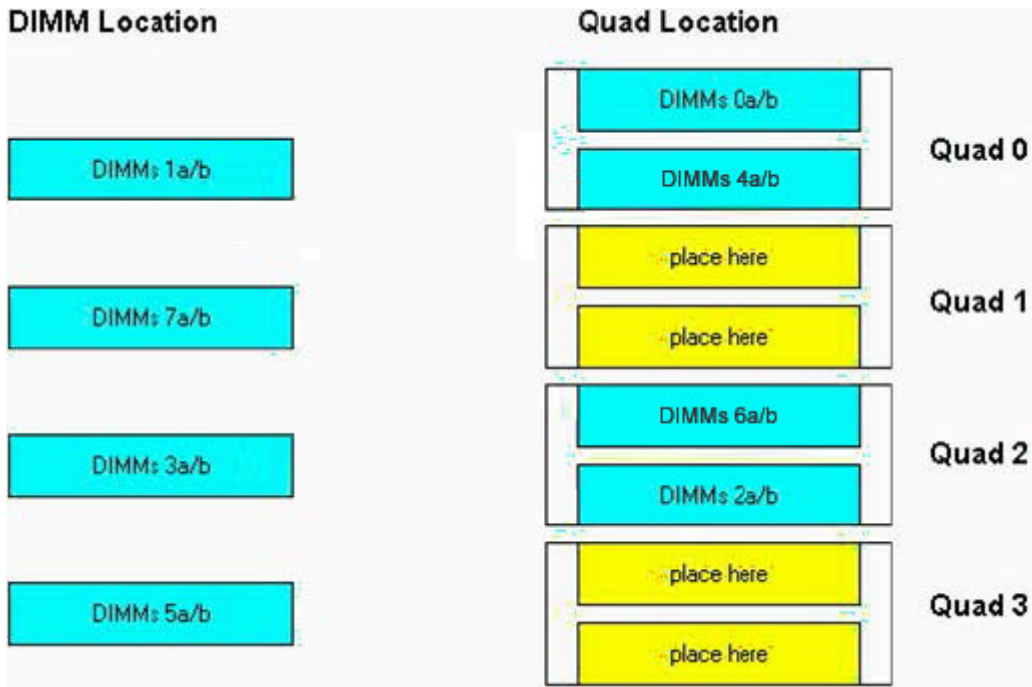
- A. 7
- B. 14
- C. 21
- D. 28

Answer: B

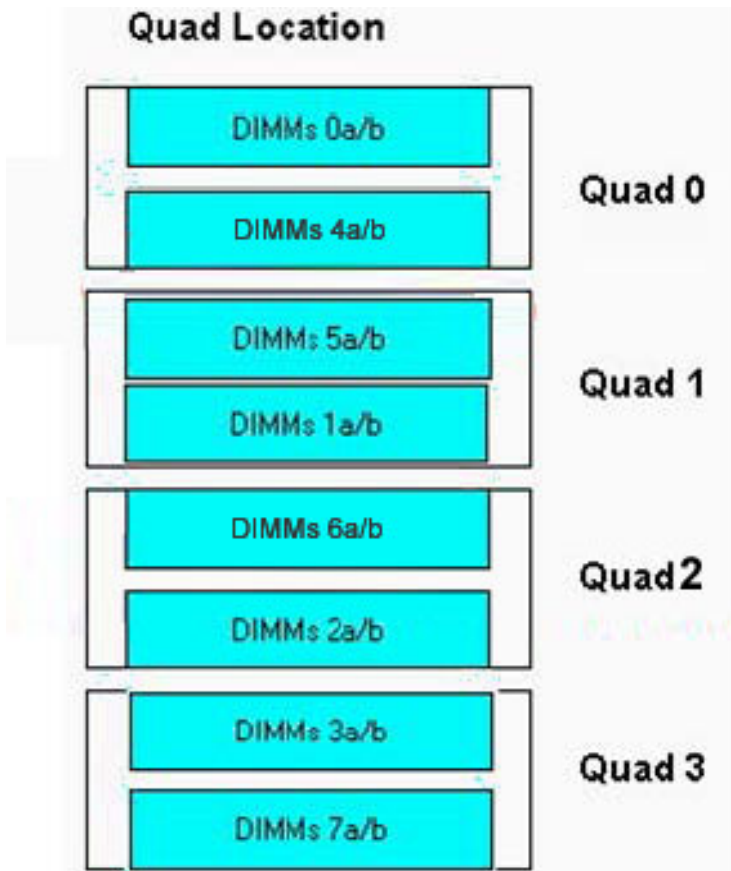
QUESTION 38:

DRAG DROP

An rx8620 server cell board has four different memory quads.
Move the DIMMs to one of the possible correct quad locations.
Exhibit:



Answer:



QUESTION 39:

Certkiller .com has an existing HP Integrity rx7620 server with 8 CPUs. The server is running a commercial On-Line Transaction Processing (OLTP) application. The customer has expressed the need to upgrade or replace the server due to CPU performance issues. Which solution provides the best performance increase for the least cost?

- A. Replace the server with an HP Integrity rx8620 server with 16 CPUs.
- B. Add a Server Expansion Unit (SEU) to the existing server.
- C. Use HP mx2 modules to increase the number of CPUs in the existing server.
- D. Add a second Integrity rx7620 server with eight CPUs and cluster the application.

Answer: C

QUESTION 40:

Certkiller .com is concerned about security on an HP Integrity rx7620-16 server running HP-UX. Which solution provides the most comprehensive security for this server?

- A. using HP-UX Bastille
- B. adding a second Management Processor (MP)
- C. adding HP-UX Standard Mode Security Extensions
- D. using Security Patch Check

Answer: A

QUESTION 41:

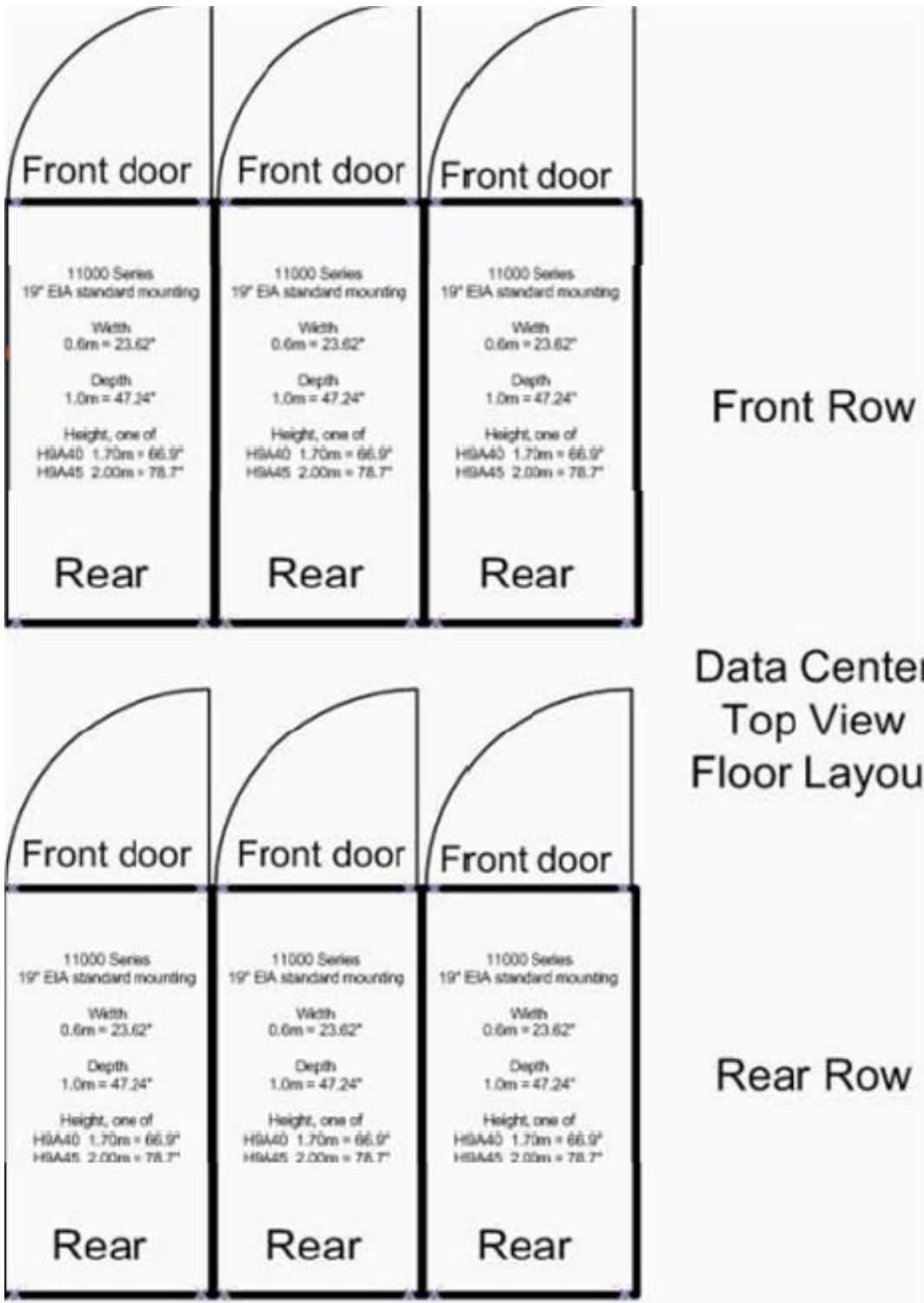
Which resource should be used to find technical specifications for hardware and software?

- A. Product Bulletin
- B. SalesBuilder for Windows (SBW)
- C. PartSurfer
- D. Enterprise Configurator

Answer: A

QUESTION 42:

During a site survey, Certkiller .com mentions that their server fans always rotate in high speed, but it happens only to the servers located in the rear rack. Why?
Exhibit:



- A. Cool air flows across the rear of each rack line.
- B. Hot air from the front rack flows into the rear rack.
- C. Cool air flows from the rear rack to the front rack.
- D. Hot air flows from the rear rack to the front rack.

Answer: B

QUESTION 43:

Certkiller .com wants to run a Microsoft SQL Server 2000 Enterprise Edition (64-bit) application on an HP server. Which server models would be possible choices? Select TWO.

- A. rx8620
- B. BL45p
- C. rp8420
- D. DL380
- E. ES45

Answer: A,B

QUESTION 44:

When configuring a high-availability solution involving HP Serviceguard, it is important to account for the complete solution stack. What Serviceguard Extensions are available for this purpose? Select TWO.

- A. HP Serviceguard Extension for SAS
- B. HP Serviceguard Extension for RAC
- C. HP Serviceguard Extension for SAP
- D. HP Serviceguard Extension for Siebel
- E. HP Serviceguard Extension for PeopleSoft

Answer: B,C

QUESTION 45:

Certkiller .com is looking for a single server solution that will run his custom Linux applications in a two-partition configuration. He needs a minimum of 10 I/O slots for each partition. What is the smallest Itanium server that will meet his needs?

- A. rx7620
- B. rx8620
- C. rx8620 with a Server Expansion Unit (SEU)
- D. Integrity Superdome 16-socket

Answer: C

QUESTION 46:

One valid support level for mid-range servers is "Critical Service." This includes 6-Hour CTR for hardware support. What is meant by "6-hour CTR"?

- A. 6-hour Call-to-Repair. The hardware problem will be resolved within six hours of customer call.
- B. 6-Hour Call-to-Restoration. Restoration of business service will occur within six hours of customer call.
- C. 6-Hour Call-to-Response. An HP support engineer will arrive onsite within six hours of customer call.
- D. 6-Hour Call-to-Replace. System replacement will occur within six hours of customer call.

Answer: A

QUESTION 47:

Certkiller .com is in the pilot phase of a large Geographic Information System project. The large amounts of data used by this evolving application demand a 64-bit environment. At the same time, tight budgets make the use of industry-standard building blocks necessary. Which HP product provides the best High Performance Technical Computing (HPTC) solution for scalability?

- A. HP 9000 servers running HP-UX
- B. HP Integrity servers running Linux
- C. HP ProLiant servers running Windows
- D. HP Integrity servers running HP-UX

Answer: B

QUESTION 48:

Which HP-UX security measure audits kernel and access events in real time and is compliant with the C2 and E3 specifications designed to establish minimum requirements for plausible security?

- A. Role-based Access Control
- B. Pluggable Authentication Module (PAM)
- C. Intrusion Detection System
- D. Kerberos Authentication

Answer: C

QUESTION 49:

The minimum CPU configuration for a cell board with an sx1000 chipset is using two single-core Itanium CPU modules. Why?

- A. Two CPU modules are needed to support the two memory paths.
- B. The cell board provides two frontside buses that need to be terminated.
- C. Two CPU modules are needed to support both I/O chassis halves in the system.
- D. The sx1000 chipset provides extended cache that is shared between two CPUs.

Answer: B

QUESTION 50:

On an rx7620 server, what is the maximum number of possible internal DVD-ROM drives?

- A. 0
- B. 1
- C. 2
- D. 4

Answer: B

QUESTION 51:

DRAG DROP

Match the SalesBuilder for Windows (SBW) Configurator components to the correct descriptions.

place here	graphical view of configuration	System Diagram
place here	data file containing the rules used by SBW to check configurations.	Whiteboard
place here	center of SBW showing technical solutions.	Quoter
place here	budgetary quotation informatoin with part numbers and prices for the solution.	Knowledge Base

Answer:

System Diagram	graphical view of configuration
Knowledge Base	data file containing the rules used by SBW to check configurations.
Whiteboard	center of SBW showing technical solutions.
Quoter	budgetary quotation informatoin with part numbers and prices for the solution.

QUESTION 52:

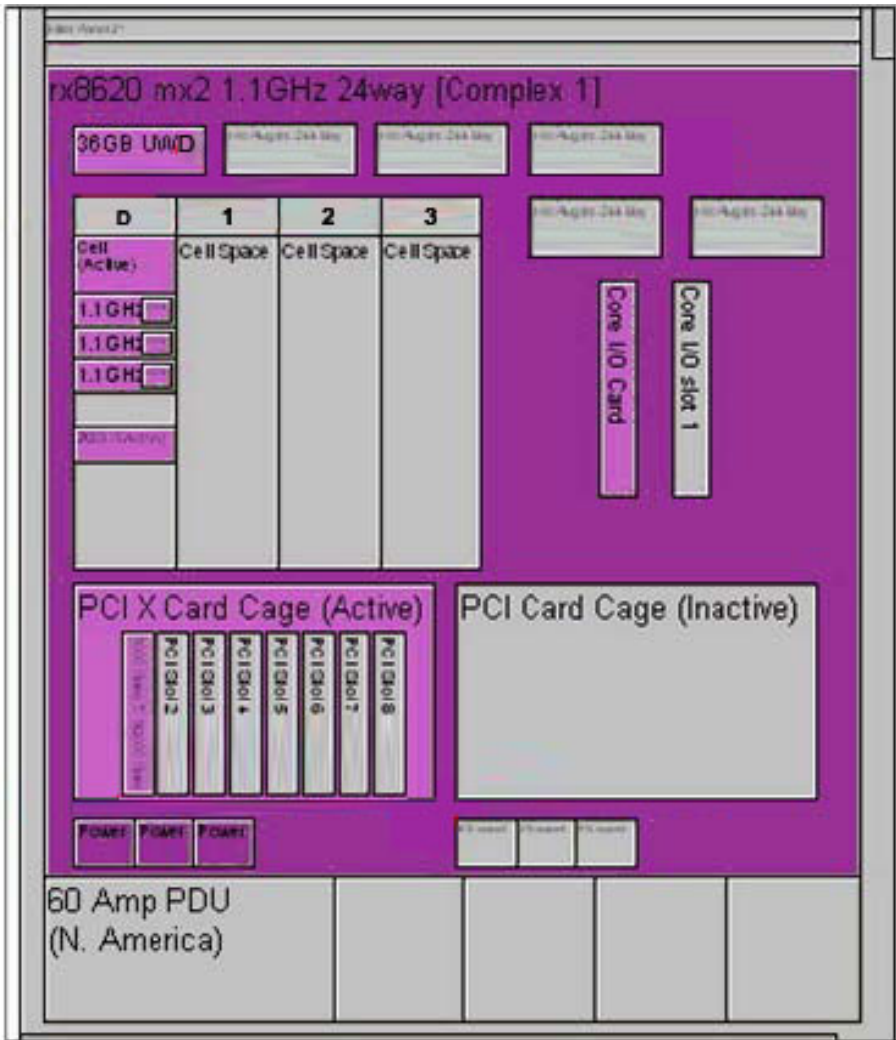
The HP mx2 dual-processor module combines two Itanium 2 processors and which cache on a single daughter card?

- A. 32MB Level 4
- B. 16MB Level 2
- C. 8MB Level 4
- D. 64MB Level 2

Answer: A

QUESTION 53:

If a second hard partition is needed, where would the new cell board be placed?
Exhibit:



- A. cell space 0
- B. cell space 1
- C. cell space 2
- D. cell space 3

Answer: B

QUESTION 54:

A solution is designed to include partitioned Integrity servers, external JBODs, DVDs, DAT tapes, and PDUs. All components will be rack mounted before delivery. The customer wants to specify the position of the components in each rack. How could this be accomplished?

- A. This can be accomplished at the factory if the customer indicates component rack order on the formal quote.
- B. This is not allowed. The factory must follow the rack order specified in the Server

Configuration Guide.

C. This can be accomplished at the factory if the customer specifies component rack order on the SISP form.

D. This can be accomplished at the HP integration center if the customer specifies component rack order on the SISP form.

Answer: D

QUESTION 55:

Which attributes can be found in the rx8620 section of the Configuration Guide? Select TWO.

A. supported I/O cards

B. external storage

C. ISV application support

D. upgrades

E. SAN connectivity

Answer: A,D

QUESTION 56:

Certkiller .com needs to service individual cell boards while still running applications on an HP Integrity server. Which configuration allows for cell hot-plug capability?

A. an rx7620-16 configured with four nPars

B. an rx8620-32 configured with a single nPar and two vPars

C. an rx8620-32 with the Server Expansion Unit (SEU) option, configured with four vPars

D. an rx8620-32 with the Server Expansion Unit (SEU) option, configured with four nPars and eight vPars

Answer: D

QUESTION 57:

Which cell board architecture supports Itanium 2 processors, PA-RISC dual-core processors and the Itanium dual-processor modules?

A. E8870 chipset

B. EXA chipset

C. sx1000 chipset

D. zx1 chipset

Answer: C

QUESTION 58:

Certkiller .com needs the capability to perform snapshots on their production storage volume. The storage array is an HP EVA8000 connected via a high-availability SAN fabric. What needs to be installed on an rx8620 server running HP-UX 11i v2 to perform this function?

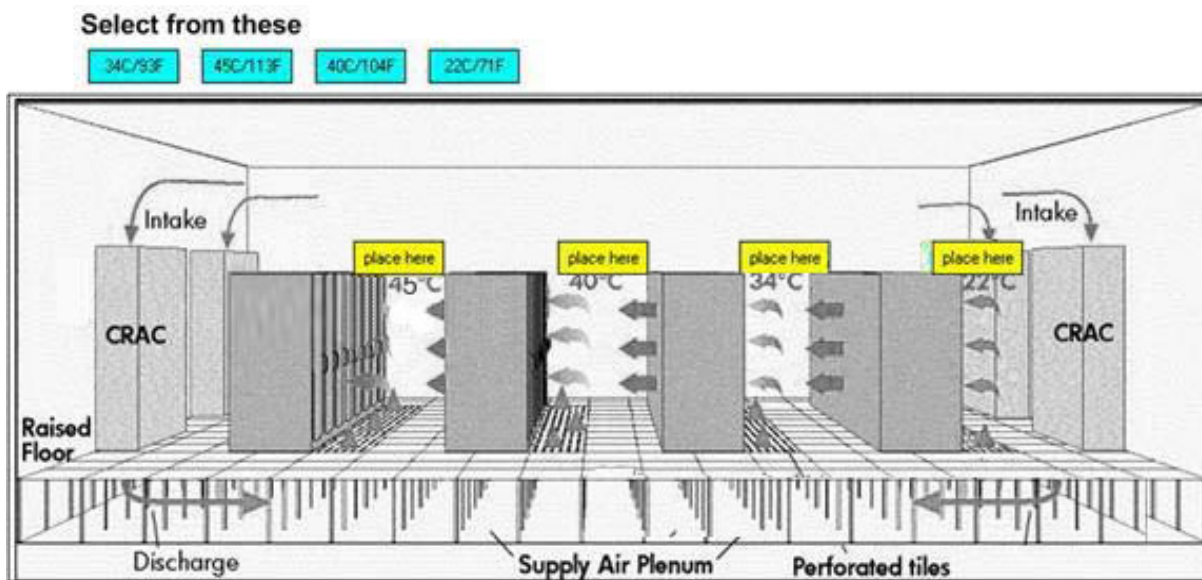
- A. VSS host agent
- B. Replication Solutions Manager host agent
- C. EVA array host agent
- D. Continuous Access host agent

Answer: B

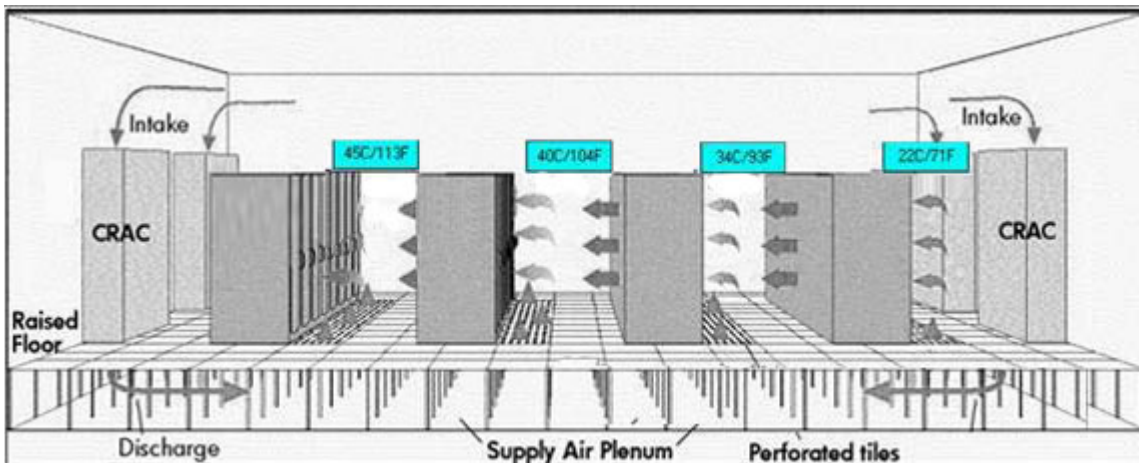
QUESTION 59:

DRAG DROP

Correctly place the air temperature measurement in the data center layout.



Answer:



QUESTION 60:

If an HP partner requires information about porting software, which resource should he use?

- A. HP Product Bulletin
- B. SalesBuilder for Windows (SBW)
- C. Developer and Solution Partner Program (DSPP)
- D. HP-UX 11i v2 System Administrator Reference Guide

Answer: C

QUESTION 61:

What is a key feature of an Integrity mid-range server that is not found in an Intel Pentium-based server?

- A. L2 cache
- B. RAID protected memory
- C. remote management capabilities
- D. hardware isolated operating systems

Answer: D

QUESTION 62:

You want to configure an rx8620 server. What is the minimum CPU configuration for a cell board? Select TWO.

- A. one single-core CPU module
- B. two single-core CPU modules
- C. two dual-core CPU modules

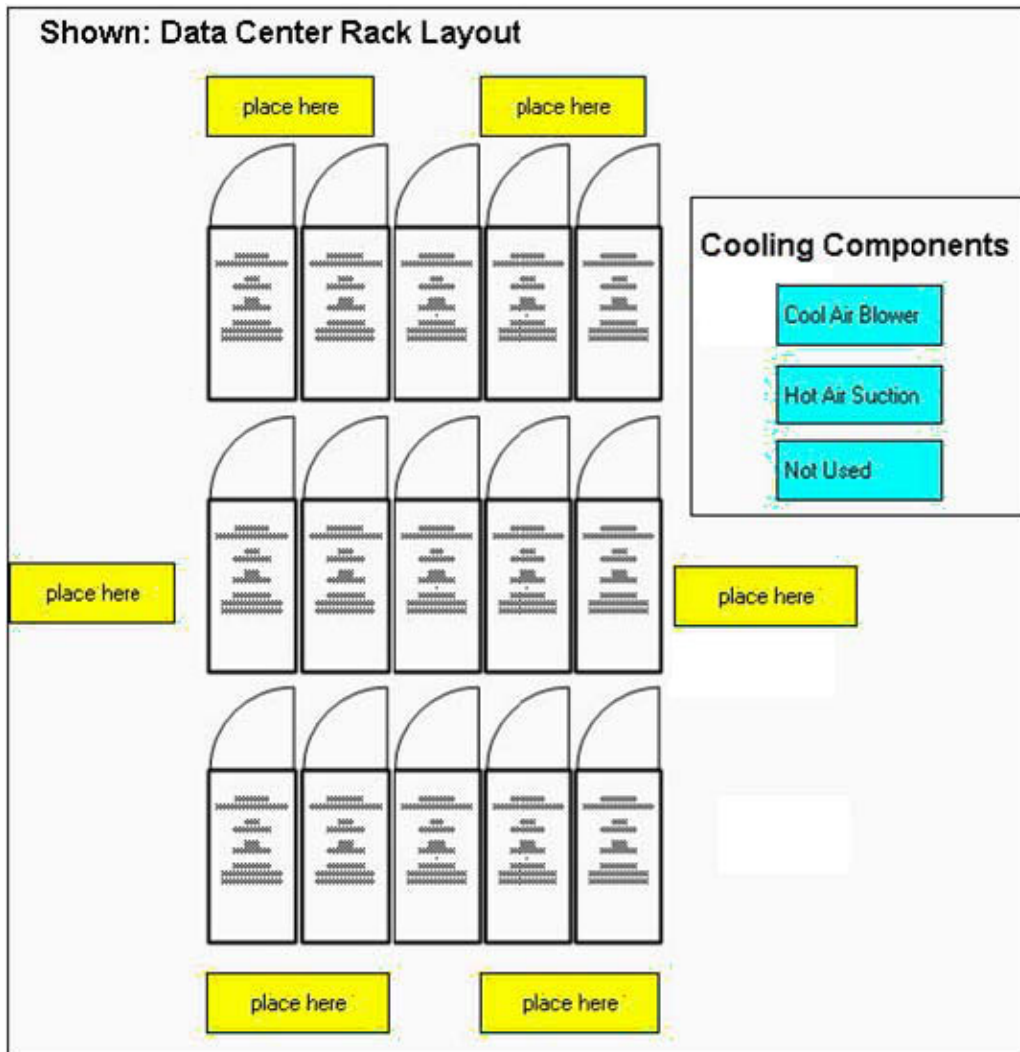
- D. four single-core CPU modules
- E. one dual-core CPU module

Answer: B,E

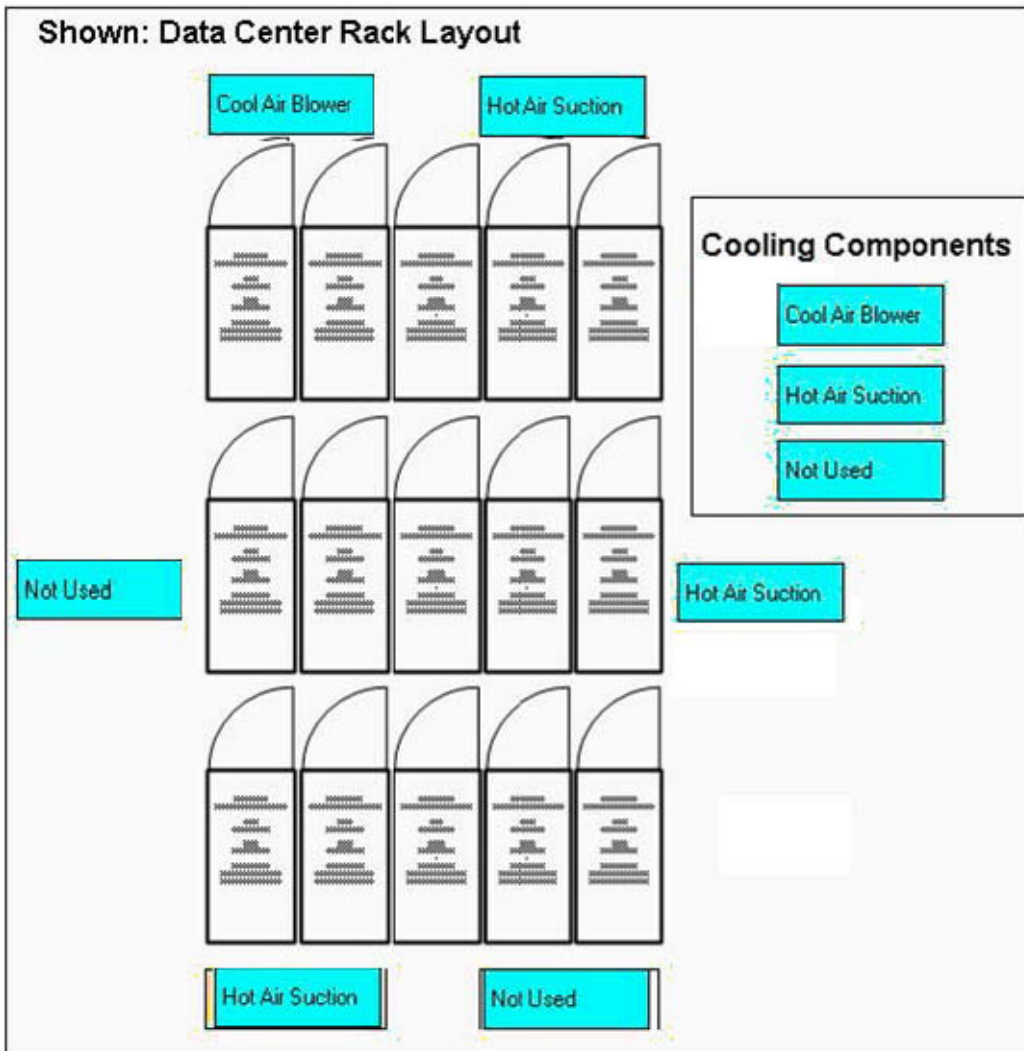
QUESTION 63:

DRAG DROP

Correctly place each cooling component in the floor layout. Each yellow location must have a panel.



Answer:



QUESTION 64:

As a co-developer of the Itanium architecture, HP can design components to enhance the power and scalability of the Itanium server family. Identify one such component.

- A. EPIC
- B. sx1000
- C. rx7620
- D. ISEE

Answer: B

QUESTION 65:

You installed a high-availability Oracle solution at Certkiller .com site. Before it is put into production, what should you do to validate the failover capability of the solution?

- A. Check the Fibre Channel connection and speed.
- B. Test the client LAN networking failover.
- C. Remove a hot-plug PCI card from the system.
- D. Initiate a cluster failover of the machine or application.

Answer: D

QUESTION 66:

For HP-UX and Linux on Itanium-based platforms, which HP product can monitor and manage Serviceguard on HP-UX 11i and Linux clusters from a single point?

- A. HP Event Monitoring Service (EMS)
- B. HP Serviceguard Manager
- C. HP Serviceguard for Linux
- D. HP Serviceguard

Answer: B

QUESTION 67:

Which risks or dependencies are associated with the installation of PCI-X cards in an rx8620-32 server?

- A. PCI-X cards that require higher bandwidth should be installed in a slot with dual links.
- B. PCI-X cards must be installed in a specific order on the PCI bus connected to the LAN/SCSI card.
- C. PCI-X cards that require higher resiliency should be installed in a dedicated, single-link slot.
- D. PCI-X cards can only be installed in slots with an odd slot number.

Answer: A

QUESTION 68:

An onsite benchmark is used to validate the performance of a solution containing an rx8620 server with HP XP storage. The acceptance criteria is based on the On-Line Transaction Processing (OLTP) performance for a large database. Performance of the customer server is observed to be much lower than previously measured on the HP in-house benchmark server.

What are the most likely explanations? Select TWO.

- A. The customer server has additional network overhead from a high-availability clustering heartbeat, which was not previously tested.
- B. The server firmware level on the customer's server has changed.

- C. The customer's server has additional network overhead from their firewall, which was not previously tested.
- D. The disk LUN layout has changed, or there are fewer customer server Fibre Channel connections to disk.
- E. Generic operating system parameters were loaded during factory build of the customer's server.

Answer: D,E

QUESTION 69:

Which upgrade is possible with cell boards containing an sx1000 chipset?

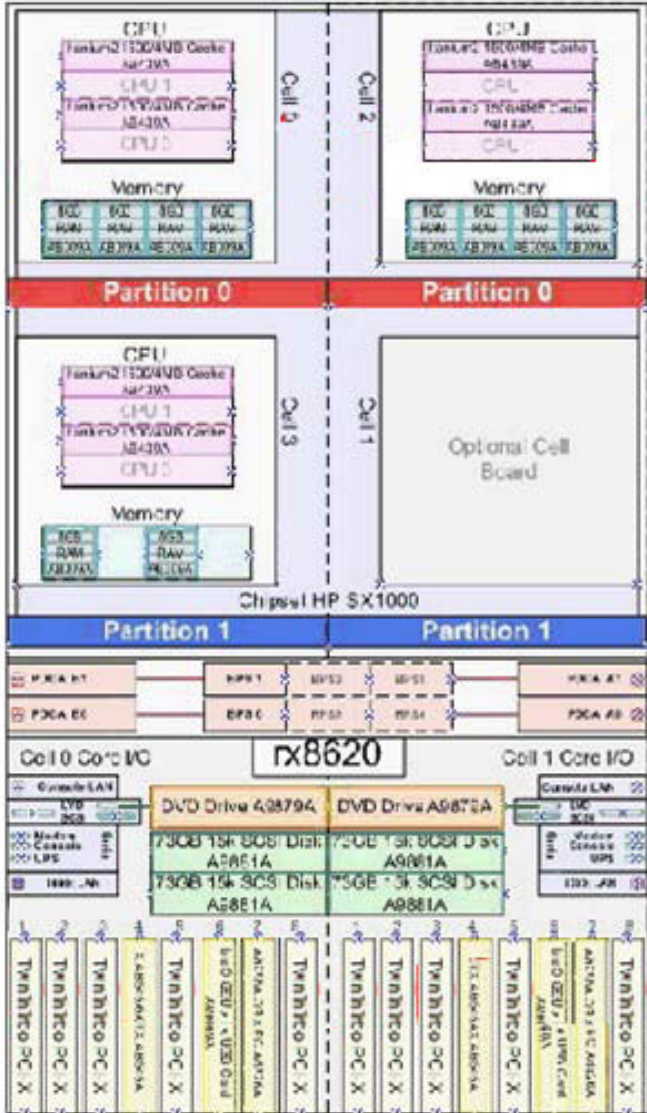
- A. PCI to PCI-X 2.0 I/O
- B. PCI-X to PCI-X 2.0 I/O
- C. PA-RISC to Itanium CPUs
- D. SDR to DDR2 memory DIMMs

Answer: C

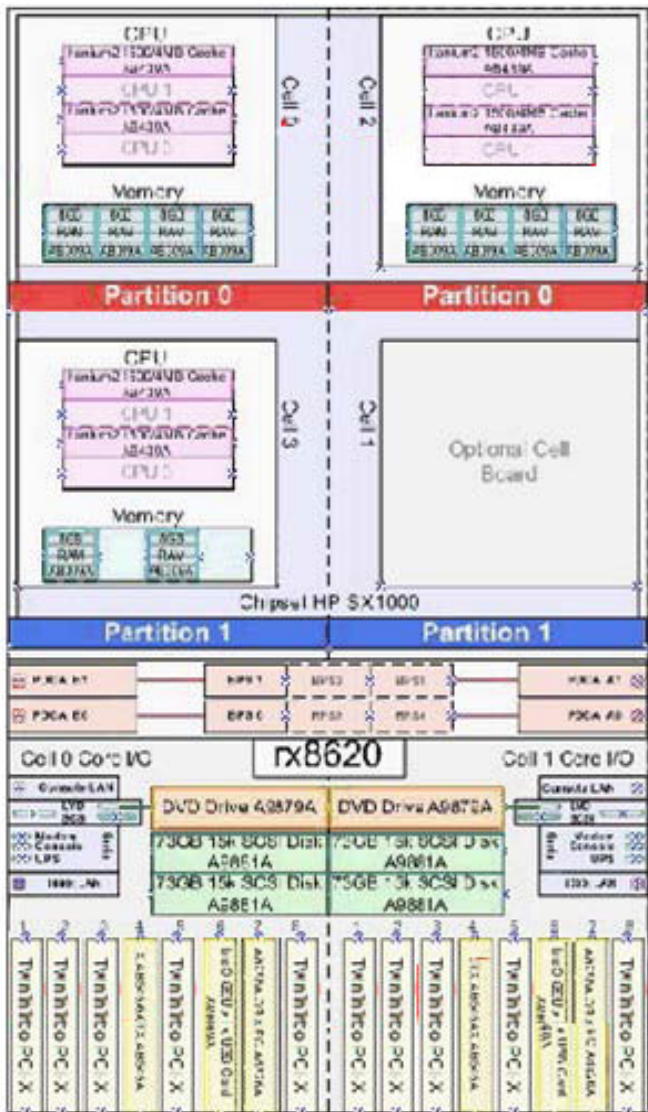
QUESTION 70:

HOTSPOT

Click on the component that has been placed incorrectly in the configuration.



Answer:



QUESTION 71:

Where do you find the maximum number of Fibre Channel adapters supported in an HP Integrity server running HP-UX 11i v2?

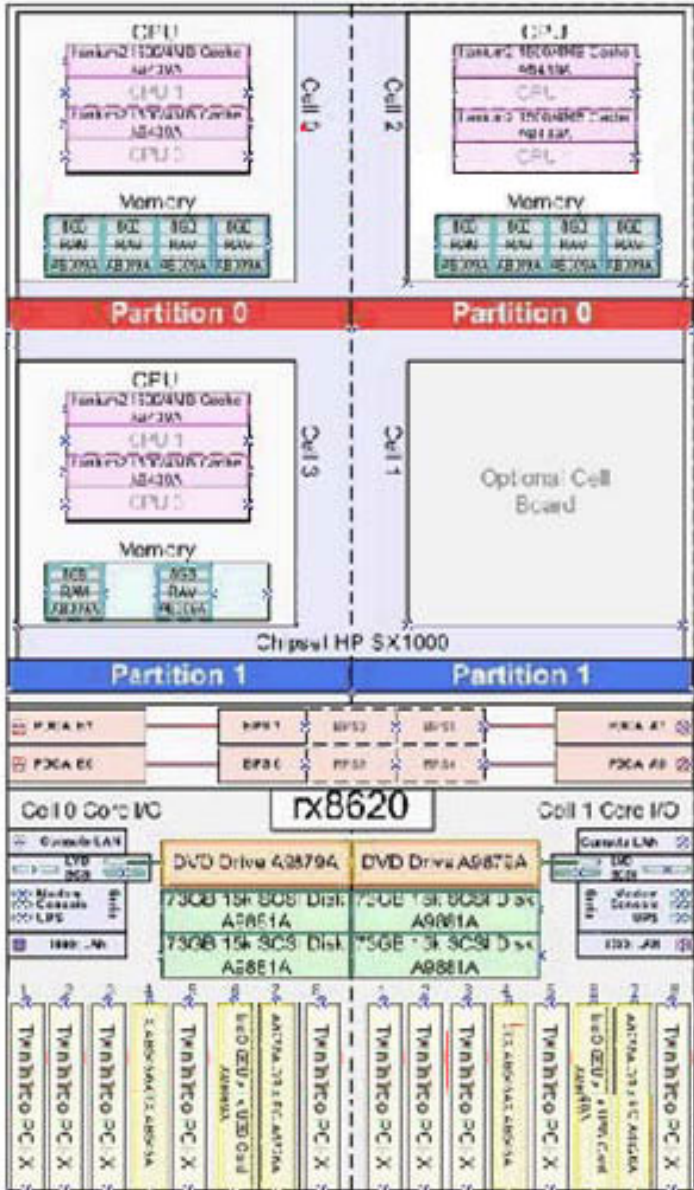
- A. HP Integrity Server PCI Options Guide
- B. HP StorageWorks B-Series SAN Guide
- C. HP StorageWorks SAN Design Reference Guide
- D. HP StorageWorks Enterprise Backup Reference Guide

Answer: C

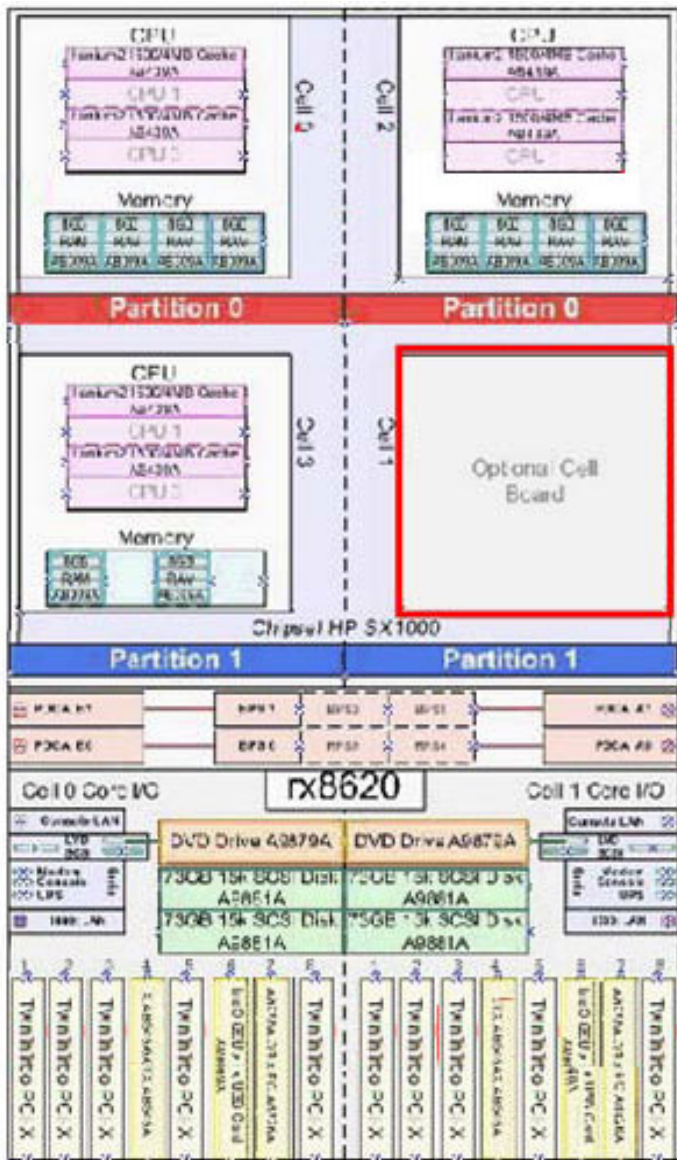
QUESTION 72:

HOTSPOT

There is an incorrectly placed component shown in the diagram. Click on the area where this component should have been installed.



Answer:



QUESTION 73:

You are discussing the recent cluster implementation on mid-range servers with Certkiller .com. The customer asks if he could simulate a failure by power cycling a node remotely. How can you do this?

- A. You have to go onsite to press the power switch.
- B. You execute `reboot -h` on the operating system.
- C. You connect to the MP and execute the appropriate commands.
- D. You connect to the management console and execute the appropriate Extensible Firmware Interface (EFI) commands.

Answer: C

QUESTION 74:

You have an HP Smart Array 6402 RAID controller installed in an rx7620 server running Microsoft Windows Server 2003 (64-bit). The controller is connected to an external storage HP MSA30. Which tool do you need to install to manage and monitor the RAID controller?

- A. Online ROM Configuration for Array (ORCA)
- B. Array Diagnostic Utility (ADU)
- C. Array Configuration Utility (ACU)
- D. Smart Array Rescan Service

Answer: C

QUESTION 75:

Adaptive Enterprise capabilities are made possible by which Integrity server feature?

- A. scalability via mx2 modules
- B. investment protection for TRU64 UNIX customers
- C. re-use of hardware across multiple operating systems
- D. component interchange capability with HP ProLiant servers

Answer: C

QUESTION 76:

Certkiller .com has a Proactive 24 Service hardware support contract on two rx7620 servers. After the system warranty expires, which onsite service might he expect from his support contract if one of the servers fails?

- A. onsite response, same day
- B. onsite response, next day
- C. parts exchange only
- D. onsite response in four hours

Answer: D

QUESTION 77:

You are a network administrator at Certkiller .com and are planning to install several HP Integrity servers in an existing customer environment. Of which aspects of air conditioning must you be aware? Select TWO.

- A. power quality

- B. humidity level
- C. air distribution
- D. smoke detectors
- E. fire extinguishing system

Answer: B,C

QUESTION 78:

Certkiller .com has a number of mission-critical applications which require very high uptime. These are currently hosted on several single-partition HP-UX and Microsoft Windows servers, which is creating a significant data center floor space problem. Which Adaptive Enterprise approach is most suitable?

- A. consolidation using nPars
- B. consolidation using vPars
- C. re-hosting to Windows 2003 (64-bit)
- D. clustering individual servers using ServiceGuard

Answer: A

QUESTION 79:

Certkiller .com needs to connect an rx8620 server to an HP EVA8000 via a SAN infrastructure. He needs the capability to perform a storage volume remote data replication on an Oracle database which is running on that Integrity server. Which software program is needed?

- A. System Management Homepage
- B. Business Copy EVA
- C. Storage Essential Enterprise Edition
- D. Continuous Access EVA

Answer: D

QUESTION 80:

Which are components of the HP web-enabled System Management Software? Select TWO.

- A. HP Integrity Management Pack for MOM 2005
- B. HP Array Configuration Utility (ACU)
- C. HP Partition Manager
- D. HP Integrated Management Display
- E. HP Version Control Repository Manager

Answer: B,E

QUESTION 81:

The Performance Quick Reference Tool (PQRT) can be used to analyze systems using which criteria? Select TWO.

- A. ISV portfolio
- B. specific system
- C. feature positioning
- D. I/O characteristics
- E. performance range

Answer: B,E

QUESTION 82:

Certkiller .com is buying an Integrity server solution running two HP-UX partitions and wants to manage CPU resources automatically using pre-defined service level objectives. What tool would you recommend?

- A. HP Serviceguard
- B. HP-UX Workload Manager
- C. Process Resource Manager
- D. HP Virtual Server Environment

Answer: B

QUESTION 83:

Certkiller .com using an HP Integrity rx7620-16 server as the hardware platform requires the highest degree of operating system level security possible. Assuming application requirements provide for any supported operating system, which best meets the customer's needs?

- A. OpenVMS
- B. HP-UX
- C. Windows
- D. Linux

Answer: A

QUESTION 84:

DRAG DROP

HP0-255

You are a network administrator at Certkiller .com and are requested to verify a solution configuration using SalesBuilder for Windows. Put the SBW steps in the correct order.

Solution Details:

HP Integrity Server rx8620, three hardware partitions running HP-UX 11i, Microsoft Windows 2003 and Linux Enterprise Server

Step 1	Verify cell board requirement per partition.
Step 2	Verify processors and memory requirement.
Step 3	Verify hardware partition rules.
Step 4	Verify operating system type support.
Step 5	Verify SEU requirement

Answer:

Verify hardware partition rules.

Verify SEU requirement

Verify cell board requirement per partition.

Verify processors and memory requirement.

Verify operating system type support.

QUESTION 85:

Certkiller .com wants to deploy three rx8620 servers for consolidation of smaller servers. Each server will require the Server Expansion Unit (SEU). The server height is 17U and the SEU height is 9U. How many E41 racks will be required?

- A. two
- B. three
- C. four
- D. six

Answer: B

QUESTION 86:

How many independent power circuits does an rx8620 server require to be fully redundant?

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

Answer: B

QUESTION 87:

Certkiller .com is required to retain a large amount of infrequently accessed information as part of their regular business practices. However, this data must be quickly accessible. What is the optimal storage medium for this type of information? Select TWO.

- A. LTO Ultrium tapes
- B. SCSI disk drives
- C. Fibre Attached Technology Adapted (FATA) disk drives
- D. Fibre Channel (FC) disk drives
- E. Super DLT (SDLT) tapes
- F. Serial Advanced Technology Attachment (SATA) disk drives

Answer: C,F

QUESTION 88:

On nPar-capable HP Integrity servers, a portion of the memory in each cell can be configured as cell-local memory (CLM). How can you configure CLM?

- A. with a dip-switch located on the cell board
- B. from the MP prompt with the cc command
- C. with the clmmodify command or with the CLM GUI
- D. with the Partition Manager commands or with the Partition Manager GUI

Answer: D

QUESTION 89:

Which feature of an rx8620-32 server provides high reliability and true domain isolation, allowing cells with different operating systems to coexist without affecting each other in any way?

- A. highly reliable ASIC
- B. redundant DC-DC converters
- C. full end-to-end error correction
- D. independent partition design

Answer: D

QUESTION 90:

Certkiller .com is currently running OpenVMS on a DS20 AlphaServer. He wants to migrate to the smallest Itanium server that will also allow him to consolidate his Windows Exchange application and provide hardware fault isolation. Which server would you recommend?

- A. rx5670
- B. rx8620
- C. rx7620
- D. rx4640

Answer: C

QUESTION 91:

Certkiller .com is buying an rx7620 server with two partitions. The customer wants the boot and data disks of each partition to be mirrored and on separate SCSI channels. What is the minimum configuration needed to accomplish this?

- A. Four internal disk drives
- B. Ultra160 SCSI Host Bus Adapter
- C. StorageWorks Disk System 2120
- D. StorageWorks Modular Storage Array (MSA) 1000

Answer: C

QUESTION 92:

You plan to install an HP Integrity rx8620-32 server and have to check the environmental specifications. What is the allowed humidity range for the server?

- A. 50% to 90%
- B. 0% to 100%
- C. 30% to 60%
- D. 15% to 80%

Answer: D

QUESTION 93:

An rx8620 server will be deployed under the Utility Metering model. Which software must be installed under Microsoft Windows Server 2003 64-bit?

- A. HP Insight Management Agent
- B. HP Insight Lights-out Agent
- C. HP CPU Pay-Per-Use Agent
- D. HP Version Control Agent

Answer: C

QUESTION 94:

Certkiller .com has an HP Integrity rx8620 server containing two SCSI drives, one cell board, and one internal DVD drive. The customer would like to add an internal DDS-4 DAT drive for data protection purposes. Which components are required to add the DAT drive? Select TWO.

- A. a second core I/O card
- B. a second cell board
- C. a second power supply
- D. a second internal peripheral bay
- E. a Server Expansion Unit (SEU)

Answer: A,B

QUESTION 95:

What information must be included in the Environmental and Site Audit Final Report, following a complete evaluation of Certkiller .com's computer room and environment?

- A. water protection review results
- B. grounding review and monitoring results
- C. low frequency interference monitoring results
- D. schedule of IT support staff on call in the event of an electrical failure
- E. detailed site layout diagram showing the distance between the computer room and the main electricity supply

Answer: B

QUESTION 96:

What are the requirements when mixing processors in a mid-range Integrity server?

- A. Processors with different speeds are allowed within an nPar.
- B. Multiple vPars are required in this system.
- C. Only one specific processor type can be used within a cell.
- D. Different processor speeds can be used within a cell.

Answer: C

QUESTION 97:

What information is available from the HP Product Bulletin? Select THREE.

- A. product overview
- B. support information
- C. performance information
- D. configuration information
- E. technical setup instruction
- F. pricing information

Answer: A,D,F

QUESTION 98:

A major airline has cluster nodes in separate buildings a few hundred meters apart. One data center supports application development efforts, while the other data center carries the corporation's many operational workloads. Which product provides greater system resilience and disaster tolerance?

- A. HP Serviceguard Cluster
- B. HP Extended Campus Cluster
- C. HP MetroCluster with Continuous Access EVA
- D. HP ContinentalClusters

Answer: B

QUESTION 99:

Certkiller .com has a Proactive 24 Service hardware support contract for three rx8620 servers. After the system warranty expires, which onsite service might he expect from his support contract if one of the servers fails?

- A. onsite response, same day
- B. onsite response, next day
- C. parts exchange only
- D. onsite response in four hours

Answer: D

QUESTION 100:

Certkiller .com wants to run Microsoft Cluster Services with Microsoft Windows Server 2003 Datacenter Edition. What is the smallest Itanium server that supports this configuration?

- A. rx8620
- B. rx7620
- C. rx4640
- D. rx8620 with a Server Expansion Unit (SEU)

Answer: B

QUESTION 101:

Which component allows service or replacement of any field replaceable unit (FRU) in an rx8620-32 server without un-racking the chassis from the cabinet?

- A. power distribution unit (PDU)
- B. Lift-O-Flex 17000
- C. anti-lock mechanism
- D. slide kit

Answer: D

QUESTION 102:

Where can you find environmental information about HP Integrity servers? Select TWO.

- A. Site Preparation Guide
- B. SalesBuilder for Windows
- C. Enterprise Configurator
- D. HP IT Resource Center
- E. QuickSpecs

Answer: A,E

QUESTION 103:

An analysis of Certkiller .com's current IT environment indicates a large volume of transactions per minute (TPM) in their On-Line Transaction Processing (OLTP) application. Which HP tool will help you select an HP Integrity server that will meet the customer's needs?

- A. Caliper
- B. DSPP Profile Tool
- C. Performance Advisor
- D. Performance Quick Reference Tool (PQRT)

Answer: D

QUESTION 104:

Certkiller .com needs to service individual cell boards while still running applications on an HP Integrity server. Which configuration allows for cell hot-plug capability?

- A. an rx8620-32 configured with a single nPar and two vPars
- B. an rx7620-16 configured with two nPars
- C. an rx8620-32 with the Server Expansion Unit (SEU) option, configured with four vPars
- D. an rx7620-16 configured with four nPars

Answer: B

QUESTION 105:

Certkiller .com has 24 servers, each with either two, three or four CPUs, running different Windows Server 2003 and HP-UX applications. The customer wants to replace the existing servers but use less space in the server room. However, every application must run in its own operating environment, and virtual partitioning is not an acceptable solution. Which HP Integrity solution will accommodate their current workload?

- A. six rx8620-32 servers
- B. six rx8620-32 servers with the Server Expansion Unit (SEU) option
- C. six rx7620-16 servers with the Server Expansion Unit (SEU) option
- D. six rx7620-16 servers

Answer: B

QUESTION 106:

Where would Certkiller .com find the latest EFI setup instructions for an rx7620 server?

- A. rx7620 Ordering and Configuration Guides
- B. the HP technical documentation web page (<http://docs.hp.com>)
- C. HP Enterprise Configurator (eCo)
- D. SalesBuilder for Windows (SBW)

Answer: B

QUESTION 107:

Certkiller .com has an existing heterogeneous SAN storage infrastructure. You need to gather detailed information of their SAN architecture that includes topology, zoning, storage arrays and LUN masking. Which tool would you use to retrieve this information?

- A. HP B-Series Fabric Manager
- B. HP Storage Essentials Enterprise Edition
- C. HP M-Series High Availability Fabric Manager
- D. HP LUN Configuration and Security Manager XP

Answer: B

QUESTION 108:

Which diagnostic application provides the ability to download firmware, verify device operation, and run maintenance procedures for tape products?

- A. HP OpenView Data Protector
- B. HP StorageWorks Library and Tape Tools
- C. HP StorageWorks Secure Manager for Tape
- D. HP StorageWorks Command View for Tape Libraries

Answer: B

QUESTION 109:

The recommended minimum memory configuration for an rx7620 server cell board is loading eight DIMMs. What is the reason?

- A. It provides direct memory access to all four frontside buses.
- B. For best performance all four memory data paths should be used.
- C. It provides direct memory access to both frontside buses.
- D. For best performance all eight memory data paths should be used.

Answer: B

QUESTION 110:

Certkiller .com has a very broad SAN infrastructure, but none of the devices are HP-branded. What plan do you have to connect the SAN to the new Integrity servers?

- A. Because Fibre Channel is a standard protocol, all SAN devices are connectable to any Fibre Channel adapter in the HP Integrity servers.
- B. You must validate that the particular SAN devices are supported on HP Integrity servers.
- C. Because Fibre Channel is a software protocol, it is operating system- dependant if these SAN devices are supported or not.
- D. Because non-HP branded SAN devices are not supported, you include in your deal a HP SAN.

Answer: B

QUESTION 111:

Which clustering solutions are available for Integrity servers? Select TWO.

- A. Serviceguard
- B. OpenView for Cluster
- C. HP Integrity NonStop Server
- D. Microsoft Cluster Server
- E. HP Integrity AlwaysOn server

Answer: A,D

QUESTION 112:

Certkiller .com's environment consists of HP ProLiant and HP Integrity servers. The environment includes Microsoft Windows 2003, Red Hat Linux, HP-UX 11i and HP OpenVMS. Which management application will provide Certkiller .com with an ideal solution to proactively manage server hardware?

- A. Microsoft Operation Manager
- B. HP OpenView Service Manager
- C. LANDesk Management Suite
- D. HP Systems Insight Manager

Answer: D

QUESTION 113:

What is a key advantage of the mx2 module in Integrity servers?

- A. It allows increased I/O bandwidth.
- B. It enables scalability to 256 processors.

- C. Additional CPU cores provide higher availability.
- D. It allows twice the number of processors in the same system.

Answer: D

QUESTION 114:

Regarding an Integrity rx8620 server, which statement is correct?

- A. A cell contains 8 CPU sockets.
- B. An rx8620 server is a 16-socket server.
- C. An rx8620 server can contain 8 hard partitions.
- D. You can mix mx2 modules with PA-8700 CPUs, but not in the same cell.

Answer: B

QUESTION 115:

When sizing Microsoft SQL Server 2000 on an HP Integrity server using ActiveAnswers sizing tools, which question would you use to gather information about the peak activity required by customer?

- A. How many CPU I/Os are expected during the peak hour of activity?
- B. How many disk I/Os are expected during the peak hour of activity?
- C. How many transactions are expected during the peak hour of activity?
- D. How many kilobytes of data transfer are expected during the peak hour of activity?

Answer: C

QUESTION 116:

During a site preparation for an rx8620 installation, the customer mentions that they sometimes have fluctuations and power outages of about one cycle within the facility power distribution system. What should you recommend?

- A. Use a dedicated power source that isolates the server power distribution system from other servers in the facility.
- B. Use a missing-phase and low-voltage detector that shuts equipment down automatically when a power disruption occurs.
- C. Use an online uninterruptible power supply (UPS) that keeps input voltage to devices constant.
- D. There is no need for any additional precautions as the system has been designed to provide immunity to power outages.

Answer: C

QUESTION 117:

Certkiller .com is designing an HP Integrity solution that will take advantage of SAN storage. What tool can be used to determine the appropriate SAN storage configuration for a given server workload?

- A. HP Enterprise Configurator
- B. HP Enterprise Backup Sizing Tool
- C. SalesBuilder for Windows
- D. HP StorageWorks Sizing Tool

Answer: D

QUESTION 118:

You created an Integrity server design and want to have it validated by HP. Which type of document is accepted?

- A. printout from Enterprise Configurator
- B. SalesBuilder for Windows *.wwb file
- C. Excel spreadsheet with the configuration you designed
- D. printout from a Visio File you generated with HP stencils

Answer: B

QUESTION 119:

Which operating system cannot be selected when comparing performance metrics using the Performance Quick Reference Tool (PQRT)?

- A. Linux
- B. NetWare
- C. UNIX
- D. Windows

Answer: B

QUESTION 120:

Certkiller .com's IT environment consists mainly of Business Intelligence (BI) and On-Line Transaction Processing (OLTP) applications. The customer desires a high level of performance and a solution that provides multiple operating system server consolidation. Which HP server family provides the best solution for this scenario?

- A. HP ProLiant servers
- B. HP Integrity servers

- C. HP NonStop servers
- D. HP 9000 servers

Answer: B

QUESTION 121:

Which upgrade is possible with cell boards containing an sx1000 chipset?

- A. PCI to PCI-X 2.0 I/O
- B. PCI-X to PCI-X 2.0 I/O
- C. SDR to DDR2 memory DIMMs
- D. Itanium 2 to mx2 CPU modules

Answer: D

QUESTION 122:

Which component of the sx1000 chipset provides the connection to the CPUs?

- A. PDH Riser Board
- B. Cell Controller (CC)
- C. Front-Side Controller (FSC)
- D. System Bus Adapter (SBA)

Answer: B

QUESTION 123:

Why is it important to verify the selected I/O cards for an Integrity configuration?

- A. Not all PCI I/O card cages support all I/O cards.
- B. There is a dependency between memory and PCI card types.
- C. Not all I/O cards are supported on all operating systems.
- D. Some cards are not compatible with certain types of processors.

Answer: C

QUESTION 124:

What is the function of the cell board in HP Integrity mid-range servers?

- A. provides PCI bus technology for I/O
- B. enables "chip-kill" like redundancy of cache
- C. replaces the test station or maintenance console
- D. provides connections to crossbar, CPU, memory, and I/O components

Answer: D

QUESTION 125:

Which tool should be used to verify that a solution is technically accurate?

- A. SalesBuilder for Windows (SBW)
- B. Product Bulletin
- C. Performance Quick Reference Tool (PQRT)
- D. Cybrary

Answer: A

QUESTION 126:

What is the major financial benefit to Certkiller .com when choosing high-availability architecture?

- A. increased flexibility in daily operations for handling both planned and unplanned downtime
- B. minimized operational interruptions through reduced downtime
- C. meeting recovery time and point objectives as well as service level agreements (SLAs)
- D. meeting audit requirements and other pertinent regulations

Answer: B

QUESTION 127:

After you have presented an initial design to Certkiller .com for a 12-way rx8620 server, he has asked for a 24-way design using mx2 modules. What impact is this going to have on the power supply requirements?

- A. one less power supply needed
- B. no change in power supplies needed
- C. one more power supply needed
- D. double the power supplies needed

Answer: B

QUESTION 128:

Certkiller .com needs the ability to detect bad CPUs and de-allocate CPUs online, to avoid both double-bit cache errors and CPU-caused downtime. What mid-range server feature will enable this solution?

- A. full error checking and correcting (ECC) on caches
- B. Dynamic Processor Resilience (DPR)
- C. a highly effective and reliable CPU cooling scheme
- D. CPU hot-spares using HP Instant Capacity (iCAP)

Answer: B

QUESTION 129:

What is the single most desirable feature of partitioning?

- A. I/O can be shared between other nPars.
- B. Partition-capable servers have no "single point of failure."
- C. Partition-capable servers have higher memory latency than non-partition-capable servers.
- D. Partition-capable servers enable you to configure a single server as one large system or as multiple smaller systems.

Answer: D

QUESTION 130:

What information must be included in the Environmental and Site Audit Final Report, following a complete evaluation of Certkiller .com's computer room and environment?

- A. water distribution review results
- B. low frequency interference monitoring results
- C. voltage and current measurements results
- D. schedule of IT support staff on call in the event of an electrical failure
- E. detailed site layout diagram showing the distance between the computer room and the main electricity supply

Answer: C

QUESTION 131:

What is the allowed operating temperature range for an HP Integrity rx8620-32 server?

- A. 10 to 75C (50 to 167F)
- B. 0 to 60C (32 to 140F)
- C. 10 to 50C (50 to 122F)
- D. 5 to 35C (41 to 95F)

Answer: D

QUESTION 132:

You have cell-local memory configured on an rx7620 server. Which utility displays the server's cell-local memory mode configuration under Microsoft Windows Server 2003 64-bit operating system? Select TWO.

- A. Version Control Agent
- B. Windows Task Manager
- C. HP WMI nPar Provider
- D. CLM Checker
- E. Partition Manager

Answer: D,E

QUESTION 133:

DRAG DROP

Match the SalesBuilder for Windows (SBW) Configurator components to the correct descriptions.

place here	graphical view of configuration	Config Worksheet
place here	center of SBW showing technical solutions.	System Diagram
place here	data files with the latest product descriptions and prices	Pricebook
place here	main configuration tool, enabling complete technical solution	Whiteboard

Answer:

System Diagram	graphical view of configuration
Whiteboard	center of SBW showing technical solutions.
Pricebook	data files with the latest product descriptions and prices
Config Worksheet	main configuration tool, enabling complete technical solution

QUESTION 134:

Certkiller .com is running a business-critical application that is load-balanced across two rx7620 servers. Which HP support solution provides the most complete service for the customer's environment to avoid downtime?

- A. Critical Service
- B. Proactive Essentials
- C. Proactive 24 Service
- D. Mission Critical Partnership

Answer: D

QUESTION 135:

Which HP tool can be used by a partner to verify the rack layout and server design for an rx8620 server solution?

- A. Custom Builder
- B. SalesBuilder for Windows (SBW)
- C. Onsite Agent's Reference Set (OARS)
- D. Single Point of Configuration Knowledge (SPOCK)

Answer: B

QUESTION 136:

Global Incorp currently has five HP ProLiant DL380G3 servers running Microsoft SQL Server 2000. They are interested in migrating to a single HP Integrity server. You need to capture their current network I/O, memory, processor and disk I/O utilization metrics, and also these same metrics on the new Integrity server. Which tool would provide

performance metrics for both platforms?

- A. HP OpenView Performance (OVP)
- B. HP Performance Management Pack (PMP)
- C. HP OpenView Performance Insight
- D. HP StorageWorks Performance Advisor

Answer: A

QUESTION 137:

If Certkiller .com needs to compare the performance of an IBM server against an HP server, which tool should he use?

- A. Enterprise Configurator (eCo)
- B. Electronic Sales Partner (ESP)
- C. SalesBuilder for Windows (SBW)
- D. Performance Quick Reference Tool (PQRT)

Answer: D

QUESTION 138:

You are a network administrator at Certkiller .com and are designing a SAN solution that consists of multiple HP EVA8000 and MSA1000 (single controller) storage solutions, and also HP rx8620 servers running HP-UX 11i v2. The servers need multiple simultaneous access to different storage systems. Which method of multi-pathing do you need?

- A. Physical Volume Links (PVLlinks)
- B. HP SecurePath
- C. Veritas DMP
- D. MultiPath I/O (MPIO)

Answer: A

QUESTION 139:

You must install a new fully loaded rx8620 server in a redundant power configuration. The customer's site has one UPS available. How do you connect the server to achieve the highest availability?

- A. You connect both power grids A and B to the UPS.
- B. You connect the only power grid to the UPS.
- C. You connect both power grids directly to the site's power circuit because an rx8620 server has built-in UPS capabilities.

D. You connect one power grid to the UPS and the other power grid directly to the site's power circuit (bypassing the UPS).

Answer: D

QUESTION 140:

DRAG DROP

Order the steps for starting SalesBuilder for Windows (SBW) and configuring a new system.

First	select a system
Second	select product category
Third	select configuration preferences
Fourth	select a pricebook

Answer:

select a pricebook
select product category
select a system
select configuration preferences