



Exam : 000-180

Title : p5 and pSeries Enterprise Technical Support
AIX 5L V5.3□□

Ver : 12-16-08

QUESTION 1:

For the p5 590 and p5 595 servers, the HMC must be directly attached. Why is the use of a private service network between HMC and the p5 590 required?

- A. The Bulk Power Controllers are dependent upon the HMC to provide them with DHCP addresses.
- B. A firewall is required to isolate the private network from any of the open networks to which the HMC is attached.
- C. Network communications can be implemented through an open network. No private network is required but it is recommended.
- D. All p5 590 and 595 servers are shipped with one service processor card. A private network is required to manage DHCP addresses.

Answer: A

QUESTION 2:

A system administrator wants to control the HMC from their workstation. Microsoft Windows 2000 is running and the HMC graphical user interface is being used remotely. Which of the following actions will accomplish this task?

- A. Use any Windows 2000 to graphically access the HMC
- B. Load, install, and configure WebSM on the workstation
- C. Telnet to the HMC using Exceed or a GUI emulator product from the workstation
- D. Load, install, and configure OpenSSH or SSH on the workstation and access the HMC through the GUI interface

Answer: B

QUESTION 3:

Certkiller .com currently has three p650 servers in their environment and they are implementing a p5 595. The p650 servers are running in an SMP environment, but are connected to a pair of HMCs. In order to follow best practices in the enterprise server environment and maintain HMC connectivity to the p650s, what else will need to be ordered in addition to the p5 595?

- A. Include a new HMC in the order to connect to the p5 595
- B. Include a pair of new HMCs in the order to connect to the p5 595
- C. Include a media set for POWER5 HMC in the order to upgrade one of the existing HMC's to POWER5 capabilities
- D. Include a media set for POWER5 HMC in the order to upgrade both of the existing HMC to POWER5 capabilities Include a media set for POWER5 HMC in the order to upgrade both of the existing HMC? to POWER5 capabilities

Answer: B

QUESTION 4:

A system administrator is installing a p5 590 server with an HMC. After pulling the websm client down, it is not possible to connect to the HMC. The HMC can be pinged from the client. Which of the following settings should be verified next?

- A. The routes on the HMC
- B. The firewall setting of the LAN adapter
- C. The name resolution protocol on the p5 590 server
- D. The subnet mask settings on the Ethernet adapters

Answer: B

QUESTION 5:

Certkiller .com has seven days of vmstat data on four p5 590 production LPARs of four processors each. The data shows that all four LPARs have periodic utilizations of 90-95% lasting several minutes in duration. However, the average utilizations of the four LPARs were between 15-30%. The vmstat data shows that the peak utilizations of each LPAR do not occur at the same time. Which of the following should be set up?

- A. A shared pool with four capped LPARs
- B. A shared pool with four uncapped LPARs
- C. Four dedicated LPARs and use DLPAR to manage resources effectively
- D. The server in SMP mode and use WLM to manage resources effectively

Answer: B

QUESTION 6:

Certkiller .com will be using Virtual IO Server to share Ethernet adapters. What can be done to prevent network failure of the client if a Virtual IO Server goes down?

- A. Create two virtual adapters on the client, each one from a separate Virtual IO Server
- B. Enable dead gateway detection on the client so that the network traffic can be rerouted
- C. Have a spare network card on standby in the client in case the Virtual IO Server goes down
- D. Create an etherchannel adapter on the client using one Virtual Ethernet adapter from two separate Virtual IO Servers

Answer: A

QUESTION 7:

Certkiller .com has a system running AIX 5.2 and wants to upgrade to AIX 5.3. What method would provide the quickest recovery if the upgrade failed?

- A. Use alt_disk_install
- B. Backup image to NIM server
- C. Backup using mksysb to DVD-RAM
- D. Apply the upgrade and do not commit

Answer: A

QUESTION 8:

Certkiller .com has a p5 595 running 12 LPARs. They are interested in high bandwidth, secure communication between two of the LPARs within the p5 595 server. They do not have any unused Ethernet adapters. Which of the following recommendations will best meet this requirement?

- A. Utilize the integrated 10/100/1000 network interface
- B. Implement Virtual Ethernet to enable inter-partition communication
- C. Implement shared Ethernet with the Ethernet adapters utilized in the other LPARs
- D. Implement a Point to Point protocol serial communication between the p5 595 serial ports

Answer: B

QUESTION 9:

When doing the Solution Assurance for a p5 570 with several LPARs, it is discovered that the customer plans to back the system up using mksysb. The customer would like to do unattended automated system backups and incorporate them into their off-site data recovery system. Which mksysb solution should be implemented?

- A. A local DVD-ROM drive
- B. A NFS mount on a NIM Master
- C. A SSA disk array and mirror the data
- D. A local tape drive and use DLPAR to move the tape to each LPAR

Answer: B

QUESTION 10:

Service Focal Point, Inventory Scout, and DLPAR rely on correct setup and networking between the HMC and the logical partitions. Which authentication method is used to control session management, but also authentication between network peers?

- A. Kerberos
- B. Domain Name Server
- C. Secure Sockets Layer
- D. Resource Monitoring and Control

Answer: D

QUESTION 11:

Certkiller .com has just added some new disk drives to a p5 590. The customer needs to know the largest Logical Track Group that these drives will support. What is the best way to locate this information?

- A. Use lquerypv to read the drive
- B. Use lspv and look at PP Size value
- C. Look on the outside of the drive itself
- D. Use bootinfo to find the LTG on the drive

Answer: A

QUESTION 12:

Certkiller .com is implementing a pair of Virtual IO Servers to service four LPARs. If each operating system image requires 15GB of disk space, what is the minimum amount of SCSI resource necessary?

- A. Two SCSI paths and two 73GB SCSI disks
- B. Two SCSI paths and two 36GB SCSI disks
- C. Four SCSI paths and four 73GB SCSI disks
- D. Two dual port SCSI RAID adapters with two 73GB SCSI disks

Answer: A

QUESTION 13:

An AIX LPAR has been reconfigured to use direct-attached disks. What is the best way to fully remove and delete the Virtual IO volumes?

- A. On the AIX LPAR: rmdev -dl hdisk#, rmdev -dl vscsi#
- B. On the VIO Server: rmdev -dev rootvg_disk, rmlv rootlv_name
- C. On the AIX LPAR: rmdev -dl hdisk#, rmdev -dl vscsi# On the VIO Server: rmdev -dev rootvg_disk, rmlv rootlv_name
- D. On the VIO Server: rmdev -dev rootvg_disk, rmlv rootlv_name On the AIX LPAR: rmdev -dl hdisk#, rmdev -dl vscsi#

Answer: C

QUESTION 14:

Certkiller .com is migrating their application that was built on AIX 4.3, to a new p5 590 system that is running AIX 5.3. The application was a 32-bit program. What will need to be done with the application to allow it to run on the new system?

- A. Run without recompiling on AIX 5.3
- B. Relink to the 32-bit kernel in order to run the application
- C. Recompile to run on AIX 5.3 because the libraries are in different locations
- D. Recompile 32-bit applications because the compiler flags and versions have changed

Answer: A

QUESTION 15:

Certkiller .com wants to deploy WebSphere in an HACMP environment, running on two servers in LPARs. These servers will also host the test and dev LPARs. The customer would like to use the test and dev resources to support an HACMP failover. What is the best way to accomplish this task?

- A. Run the test and dev LPARs in an uncapped mode
- B. Activate COD resources if a failover should occur
- C. Use DLPAR to move resources between the test and dev and the HACMP LPAR
- D. Stop the test and dev environments, bring up new profile for HACMP failover

Answer: C

QUESTION 16:

Certkiller .com has a 16 way 1.65 GHz p5 590 and wants to install a i5/OS partition on their server. The customer wants to keep installation costs to a minimum by sharing devices between all LPARs. Before the operating system can be installed in this partition, the customer was told that there are certain limitations that must be observed. What are these limitations?

- A. When the i5/OS partition is housed in the p5 590, the HMC allows seamless installation in a partition as long as the minimum one processor, 256 MB of memory, one Ethernet and one boot adapter/disk is available from internal hardware.
- B. V5R3 and later releases of i5/OS can be installed on a POWER5 server partition. Only one processor can be assigned to the i5/OS. A special expansion tower must be ordered. This expansion tower and its devices can be shared with other OS partitions.
- C. When the i5/OS partition is housed in the p5 590, the 5250 Twinaxial console must be used to set up the partition. Only one processor can be assigned to the i5/OS partition. A

special expansion tower must be ordered to house the IOPs. Devices in the special expansion tower can be shared with other Linux partitions.

D. V5R3 and later releases of i5/OS can be installed on IBM eServer p5 servers. i5/OS can run on two processors in the p5 590. A special expansion tower must be ordered. This expansion tower and its devices cannot be shared with other OS partitions. The iSeries expansion towers are seen by the IBM eServer p5 server as an I/O subsystem.

Answer: D

QUESTION 17:

Certkiller .com is purchasing a p5 595 as part of a large server consolidation. They are planning on using micropartitioning and Virtual IO to consolidate small machines. They used the rPerf numbers for AIX 5.3 to size their solutions. They discovered that their application is not yet certified on AIX 5.3, so they will have to use AIX 5.2. What changes should be made to their configuration?

- A. Increase memory
- B. Add more adapters
- C. Increase both processors and adapters
- D. Increase the number of processors by 20 - 30%

Answer: C

QUESTION 18:

An administrator has setup three partitions using shared pool with 2 processing units. They are activated in the following sequence: Partition one: Min. = 1.0, max = 2.0, desired = 1.5 Partition two: Min. = 1.0, max = 2.0, desired = 1.0 Partition three: Min. = 0.1, max = 1.0, desired = 0.8 What is the outcome?

- A. Partition one starts and has 2.0 processors allocated. Partition two does not start. Partition three does not start.
- B. Partition one starts and has 1.0 processors allocated. Partition two starts and has 1.0 allocated. Partition three does not start.
- C. Partition one starts and has 1.5 processors allocated. Partition two does not start. Partition three starts and has 0.8 processors allocated capacity.
- D. Partition one starts and has 1.5 processors allocated. Partition two does not start. Partition three starts and has an allocated capacity of 0.5 processors.

Answer: D

QUESTION 19:

A client has tried to update the firmware of an Ethernet adapter on a p5 590, however it repeatedly fails. What is the most likely cause of this problem?

- A. The adapter must be taken offline prior to the firmware update
- B. The adapter must be assigned to the service partition prior to the firmware update
- C. The system has not been rebooted since the adapter was added to the Logical Partition
- D. The adapter must be dynamically removed from the Logical Partition prior to the firmware update

Answer: A

QUESTION 20:

Certkiller .com would like the ability to shrink filesystems. They currently have JFS filesystems. Which of the following is necessary to shrink the filesystems?

- A. Copy the existing filesystems to JFS2
- B. Defragment the filesystem, then reduce its size
- C. Change the file system attribute allow_shrink=yes on the existing filesystems
- D. Modify the logical volume attribute allow_shrink=yes on the existing logical volumes

Answer: A

QUESTION 21:

A client has an existing p5 570 that is directly connected to a HMC. The customer will be purchasing another p5 570. Which of the following solutions would be appropriate to provide HMC connectivity to the second p5 570?

- A. Implement a proxy server to provide multiple sources to one destination
 - B. Purchase an additional Ethernet adapter for each p5 570 to provide connectivity between the two
 - C. Purchase a network hub or switch so both p5 570s can connect to the single HMC
 - D. Purchase an additional HMC since multiple HMC are required when more than one POWER5 Enterprise class server is used
- Purchase an additional HMC since multiple HMC? are required when more than one POWER5 Enterprise class server is used

Answer: C

QUESTION 22:

Certkiller .com is purchasing a p5 590 which was configured with 60 Amp line cords. They have just indicated that their large datacenter is already wired for 100 Amp power circuits in the location where the server will be installed. What would be the recommended action?

- A. Use the 60 Amp line cords
- B. Change the 100 Amp connector to a 60 Amp circuit

- C. Submit an RPQ to order the p5 590 with 100 Amp power cords
- D. Change the configuration and order the p5 590 with the 100 Amp power cords

Answer: D

QUESTION 23:

A large customer is consolidating their pSeries systems onto a p5 590. They will have a requirement for a single device (disk, lun) to have multiple paths through different adapters in a single LPAR. The primary applications were written for AIX 5.2. Which of the following would be the recommended solution to satisfy this requirement?

- A. Assign the adapters to a Virtual IO partition
- B. Use the MPIO function included in AIX 5.2
- C. Migrate the application to AIX 5.3 and use the MPIO function
- D. Set up two Virtual IO partitions and attach both partitions to the device

Answer: B

QUESTION 24:

Certkiller .com is installing a p5 595 with AIX 5.3. The DLPAR option for the resources cannot be selected on the HMC menus. However, the daemons are running on both the HMC and LPARs. Which of the following is a prerequisite for DLPAR functionality?

- A. The resources must be unallocated in an LPAR
- B. The microcode on the pSeries must be current
- C. All network adapters on the LPAR must be defined
- D. Network connectivity and name resolution capability between HMC and LPARs

Answer: D

QUESTION 25:

Which of the following is required to use Simultaneous Multi-Threading (SMT)?

- A. smtctl command
- B. A dual core chip
- C. AIX 5.3 operating system and POWER5 hardware
- D. Advanced Virtualization which is a separately purchased product

Answer: C

QUESTION 26:

Certkiller .com wants to know how to keep track of the latest level of microcode for their

p5 systems to stay current. What is the best way to monitor for new microcode?

- A. Run `lscfg -vl`, and check the ROM levels
- B. Run `cfgmgr -v`, and check the ROM levels
- C. Run inventory scout, and check the installed levels
- D. Run `lspp -l | grep devices`, and check the filesets installed

Answer: C

QUESTION 27:

A p5 570 customer is currently running AIX 5.3. The customer now wants to add Virtual Ethernet to two of the LPARs. This will enable the application tier can communicate to the database tier without using an external Ethernet card. What is the best way to accomplish this task?

- A. Create a VIO server
- B. Modify the LPAR profiles to add a Virtual Ethernet adapter
- C. Buy the Advanced Power Virtualization feature and enter a authorization code at the HMC
- D. Buy the Advanced Power Virtualization feature and enter a authorization code at the service processor menu

Answer: B

QUESTION 28:

The System Administrator wants to do a backup of the HMC and notices that there are two options on the HMC menu: Backup Critical Console data and Save Upgrade Data. Which of the following best describes the differences between the two options?

- A. Both options back up user and partition profile data. Only the Backup Critical Console Data backs up TCP/IP settings or preferences.
- B. Both options back up partition profile information. Only the Backup Critical Console Data backs up service function settings, such as Inventory Scout, Service Agent, and Service Focal Point.
- C. The Backup Critical Console Data should be performed just before the HMC software update operation. The Save Upgrade Data should be performed each time configuration changes are made to the system or the HMC.
- D. The Save Upgrade Data should be performed just before the HMC software update operation. The Backup Critical Console Data should be performed each time configuration changes are made to the system or the HMC.

Answer: D

QUESTION 29:

Certkiller .com wants to apply a PTF to the p5 590 system. After doing a preview install, the output shows there is insufficient space in the /usr filesystem. The root volume group has no available physical partitions left. They do not want to add additional disk drives to the system, but have a jfs2 filesystem that is only 8% used. What could they do to utilize space in the jfs2 filesystem to apply this PTF?

- A. Backup the filesystem and recreate smaller
- B. Use the chfs to reduce the filesystem size
- C. Use cplv to copy filesystem to smaller size
- D. Use migratepv to copy filesystem to smaller size

Answer: B

QUESTION 30:

A system Administrator is trying to connect the Virtual Ethernet that enables the communication between logical partitions on the same server to an external network. The System Administrator wants to use Shared Ethernet Adapter(SEA) to accomplish this. There are four partitions: 2 AIX 5.3 partitions, 1 AIX 5.2 partition and one Virtual IO Server that need to use SE

- A. After setting up a Shared Ethernet Adapter, none of the partitions are reaching the external network. Besides turning on ipforwarding, what is another probable cause?
- A. With a Shared Ethernet Adapter, MAC addresses are not visible to the outside systems. They require individual Ethernet cards in each partition. This can then be routed to the outside world.
- B. The Shared Ethernet Adapter acts as a layer 2 switch, but ARP and NDP do not work on SE
- A. Update the device drivers for Virtual Ethernet in all partitions and enable the Routed daemon.
- C. With a Shared Ethernet Adapter, the POWER Hypervisor component is required. The Shared Ethernet Adapter also requires systems to have a dedicated physical I/O slot and a physical network adapter in each client partition.
- D. The Shared Ethernet Adapter service runs in the Virtual IO Server and acts as a layer 2 switch. The Virtual IO Server has to be configured with at least one physical Ethernet adapter. There are no device drivers for Virtual Ethernet at AIX 5.2.

Answer: D

QUESTION 31:

Certkiller .com is planning for a 64-way p5 595. The plan is to use Virtual IO Servers and micropartitioning. What is the maximum number of partitions they can allocate?

- A. 128
- B. 254
- C. 320
- D. 640

Answer: B

QUESTION 32:

A system administrator has set up a Virtual IO Server to manage three micropartitioned LPARs. Physical disks are attached to the Virtual IO Server which is accessed through Multipath IO. What should the administrator know about monitoring for error conditions with virtual disks?

- A. Both permanent and temporary virtual hardware error messages are logged to each client partition sharing the device.
- B. Both permanent and temporary error messages for virtual hardware are logged at each occurrence on the Virtual IO Server and then propagated to the client partition.
- C. Temporary error messages for virtual hardware are logged at each occurrence on the Virtual IO Server. Permanent error messages for virtual hardware are stored on the client partition.
- D. Temporary error messages for virtual hardware will not necessarily be propagated to the client partition. Permanent error messages for virtual hardware are only logged once on the Virtual IO Server.

Answer: D

QUESTION 33:

Certkiller .com is migrating from p670 systems running AIX 5.2 to p5 595 systems running AIX 5.3. They will be changing out only the system units. They will re-use the existing 61D drawers and adapters with the new p5 595 systems. What compatibility issue must be considered?

- A. APV features are not supported for some legacy POWER4 adapters
- B. APV will require the most current maintenance level for AIX 5.2
- C. APV features will require that legacy POWER4 adapters be updated with new microcode
- D. The Virtual IO Server must run AIX 5.3 and the LPARs can run either AIX 5.2 or AIX 5.3

Answer: A

QUESTION 34:

Certkiller .com wants to use Virtual SCSI disks to boot multiple operating systems from the same disk. How will the volumes appear in the Virtual IO Server and how will the logical volumes appear in the partition?

- A. The Virtual SCSI disks are defined as logical volumes in the Virtual IO Server. The logical volumes appear as real devices (hdisks) in the client partitions.
- B. The Virtual IO adapters are connected to a virtual host bridge. On the Virtual IO Server they are vdisks, on the client partition, the exported disks are visible as virtual disks.
- C. The Virtual SCSI disks are represented in the ODM as a bus device whose parent is sysplanar0. Logical volumes will be assigned to the Virtual IO Server and virtual disks, vdisks, in the client partition.
- D. The Virtual IO adapters are represented as adapter devices with the virtual host bridge as their parent. On the Virtual IO Server they are vdisks attached to vscsi, on the client partition the exported disks are visible as virtual disks.

Answer: A

QUESTION 35:

Certkiller .com has just purchased a p5 570 with AIX 5.3. The customer would like to add a training LPAR to the system, but no processors are available. All of the partitions are using dedicated resources. The test LPAR is using one processor and has a 90% CPU idle rate. What can be done to setup this training LPAR quickly without disabling their current environment?

- A. Use AIX 5.3 which supports micro-partitioning for both the test and training LPARS
- B. Use DLPAR to move resources from the test LPAR to training when training is active
- C. Install Partition Load Manager to share resources between the test and training environments
- D. Install Advanced Power Virtualization and then use micro-partitioning for both the test and training LPARs

Answer: D

QUESTION 36:

A client has an existing Logical Partition (LPAR) on a p650 running AIX 5.2 and will be porting this LPAR to a p5 590. A mkysyb has been run to tape, and a compatible tape drive is available and allocated to the target LPAR on the p5 590. What additional resource needs to be available on the p5 590?

- A. A CD or DVD with installation media
- B. An internal SCSI adapter in the target LPAR
- C. An Ethernet adapter for access to an FTP server
- D. Advanced Power Virtualization feature of the p5 590

Answer: A

QUESTION 37:

Certkiller .com has a p690 server with unused fiber (HBA) host bus adapters (feature code 6228) that they would like to reuse. They are interested in implementing Advanced Power Virtualization features particularly Virtual IO. What is the best way to proceed?

- A. Upgrade the p690 to a p5 590 server running AIX 5.3
- B. Upgrade the p690 server to AIX 5.3 and implement Advanced Power Virtualization
- C. Purchase a p5 590 with minimum resources and simply reuse the p690 unused fiber HBA adapters
- D. Purchase a p5 590 that has all the needed resources and adapters for Advanced Power Virtualization

Answer: D

QUESTION 38:

After using the alt_disk_install command to clone a system image to another disk, the system administrator noticed a large number of defined devices not allocated to the LPAR. Which of the following is the most likely cause of this situation?

- A. The cfgmgr command was not run to reconfigure the devices
- B. The machine was not booted into SMS MultiBoot mode after configuration
- C. The machine was not in full system partition mode when the volume was created
- D. The alt_disk_install command was not run with the -O option to remove references in the ODM

Answer: D

QUESTION 39:

Certkiller .com purchased a new p5 570 without a HMC. The customer does not know how to power the full frame/system off since there does not appear to be an on/off button. What can be done to accomplish this task?

- A. Telnet into the machine and do a shutdown -Fr
- B. Log into ASMI as Administrator and use ASMI menus
- C. Log into the service processor using WebSM and use ASMI menus
- D. Use the off button which is located to the left below the LEDs

Answer: B

QUESTION 40:

A new system has been installed and the network connection is very slow. The network administrators are sure that the network port is set to 100 full duplex. What command will display the configured and current speed settings of the adapter?

- A. lsdev
- B. lsattr
- C. entstat
- D. ifconfig

Answer: C

QUESTION 41:

Certkiller .com will be using the Virtual IO Server to share both FC and Ethernet adapters among multiple LPARs. The customer is using mostly web services in the LPARs. Which of the following should be considered?

- A. Shared Ethernet Adapters and Virtual SCSI services require separate Virtual IO Servers.
- B. Virtualized adapters require essentially the same Virtual IO Server resources regardless of adapter type.
- C. Shared Ethernet Adapters require significantly more Virtual IO Server resources than Virtual SCSI services.
- D. Virtual SCSI services require significantly more Virtual IO Server resources than Shared Ethernet Adapters.

Answer: C

QUESTION 42:

A client needs to add a third Fiber Channel Adapter (HBA) to communicate with tape resources on a Logical Partition (LPAR). An empty slot has previously been assigned to the partition. What command would the administrator use to determine which slot is empty so that the hot-add tools can be used?

- A. lsslot -c pci
- B. lsdev -Cc slot
- C. lsattr -El adapter
- D. lscfg -v |grep pci

Answer: A

QUESTION 43:

The HMC software has just been upgraded remotely via the WebSM client. It now needs to be rebooted to make the update active. How can this be accomplished?

- A. Use ssh to connect to the HMC and reboot
- B. The upgrade will display complete and ask you to reboot
- C. Select shutdown in the Management section of the WebSM client
- D. Once logged out of the WebSM client it will ask to logoff, shutdown or reboot. Select reboot.

Answer: A

QUESTION 44:

What is the correct order of install tasks for an LPAR in a p5 590 with AIX 5.3 using the Create Logical Partition Wizard? 1. Select capped or uncapped 2. Create partition ID 3. Specify desired minimum physical processing units 4. Name first profile

- A. 2, 4, 3, 1
- B. 4, 2, 1, 3
- C. 2, 4, 1, 3
- D. 4, 2, 3, 1

Answer: A

QUESTION 45:

Certkiller .com has a p5 595 with no DVD configured on this server. How can they install the Virtual IO Server code?

- A. From the HMC
- B. From a NFS mount
- C. From a FTP server
- D. From any CD or DVD drive on another server

Answer: A

QUESTION 46:

How can virtual processors be differentiated from dedicated processors from a physical processor viewpoint?

- A. Dedicated processors are fractions of whole processors that are dedicated to a single partition.
- B. Virtual processors are the whole number of concurrent operations that the operating system can use.
- C. Virtual processors and not dedicated processors are processors used in Virtual IO

Server partitions.

D. Virtual processors and dedicated processors are interchangeable concepts, both are whole physical processors used in virtual and dedicated LPARs.

Answer: B

QUESTION 47:

Certkiller .com is considering a partitioned solution which will require cumulative rPerf total of 150. The original sizing came back recommending a 32-way p5 590. However, they have a requirement for future scalability and availability is important. Which of the following would be the best reason to recommend a p5 595?

- A. The p5 595 would allow for COD
- B. The p5 595 includes the Advanced Power Virtualization hardware and software
- C. The p5 595 is priced the same as the p5 590 given the same number/type of CPUs
- D. The p5 595 performance would be equivalent to the p5 590 given the same number/type of CPUs

Answer: A

QUESTION 48:

A system administrator had a disk failure on an HMC. The disk was replaced and the HMC was loaded from the Product Recovery CD. The system administrator had performed a backup to DVD of the HMC data before the system failed. After restoring the backup files, it was noticed that no profile files were restored. What is the most likely cause of this problem?

- A. The profile data was not initialized after restoring the backup CD
- B. The profile data was not backed up before doing the Critical Console Data backup
- C. A Critical Console Data backup was performed which backs up user data, but not profile data
- D. A Save Upgrade data was done instead of a backup Critical Console Data and the profile files were not included

Answer: B

QUESTION 49:

One of the key decision making factors in a very competitive opportunity will be cost. Certkiller .com needs an aggregate rPerf rating of 120. What is the best solution?

- A. Two p5 570 16 way 1.9 MHz machines
- B. One p5 590 32 way 1.65 MHz machines
- C. One p5 595 32 way 1.65 MHz machines

D. Two p5 570 16 way 1.65 MHz machines

Answer: D

QUESTION 50:

Best practices would have no single point of failure between mirrored resources. In setting up virtual, internal boot disks for two client LPARs, how would this be accomplished?

- A. Have one VIO server with striped disks for all LPARs
- B. Have one VIO server with mirrored disks for all LPARs
- C. Have two VIO servers with each LPAR accessing both VIO servers
- D. Have two VIO servers with each LPAR accessing a different VIO server

Answer: C

QUESTION 51:

After rebooting the machine, Certkiller .com notices that the machine is not performing as well as before. The applications are running slower, and their CPU utilization has increased. How can the customer check to see if a CPU was deallocated?

- A. Run the vmstat command
- B. Run the iostat command
- C. Run the lparstat command
- D. Check the logs in the /var/adm/ras directory

Answer: C

QUESTION 52:

When configuring Micro-Partitioning into shared processor partitions, what limitations should be considered?

- A. Shared processors never affect AIX 5L affinity management.
- B. Shared processors can only be implemented with AIX and not with Linux or iOS.
- C. A mix of dedicated and shared processors within the same partition is supported.
- D. A mix of dedicated and shared processors within the same partition is not supported.

Answer: D

QUESTION 53:

A just announced two-port Ethernet card has been installed on a system and it is not recognized. On the HMC the slot shows empty. The device driver has been installed and

cfgmgr runs normally. What is the most appropriate action to solve this problem?

- A. Update the HMC software
- B. Update the system firmware
- C. Re-install the device driver
- D. Flash update the two-port card

Answer: B

QUESTION 54:

Certkiller .com has been performing scheduled backups of their data to tape using "tar" in a script for over one year with no problems. Recently, the tar command is returning a non zero return code during the backup phase, causing the script to fail. What is the primary cause of this problem?

- A. The files have grown to over eight gigabytes in size
- B. The file systems are corrupt, and fsck should be run
- C. The tape block size has been changed from the default
- D. The user's limit has been changed to less than eight gigabytes

Answer: A

QUESTION 55:

Certkiller .com is considering a partitioned solution with one of the LPARs utilizing 12 CPUs. Multiple applications will be loaded on this large LPAR. However, the customer wants to ensure some tasks will have higher priority access to the CPU and memory resources. Which of the following solutions would best satisfy the requirement?

- A. Loadleveler
- B. AIX Workload Manager
- C. Partition Load Manager
- D. Tivoli Provisioning Manager

Answer: B

QUESTION 56:

Certkiller .com has the following: 8 x 1.65GHz CPUs 16GB Memory 4 LPARs LPAR 1: Test/Dev 1 CPU, 2GB Memory, 1 Fibre Channel HBA, AIX 5.3 LPAR 2: QA 1 CPU, 2GB Memory, 1 Fibre Channel HBA, AIX 5.3 LPAR 3: Prod 3 CPUs, 6GB Memory, 1 Fibre Channel HBA, AIX 5.3 LPAR 4: Web App 3 CPUs, 6GB Memory, 1 Fibre Channel HBA, SUSE Linux Utilization over a 30 day period LPAR 1: Average utilization was 15%, Peak utilization was 100% LPAR 2: Average utilization was 25%, Peak utilization was 100% LPAR 3: Average utilization was 50%, Peak utilization was

90% LPAR 4: Average utilization was 35%, Peak utilization was 100% If the customer has a requirement for all four LPARs to be moved to a p5 590 and assigned to a shared pool, which of the following would best describe the profile requirements?

- A. LPARs 1 and 2, capped, SMT on, Weights between 25-30, min CPU 0.1, max CPU 1.0 LPARs 3 and 4, uncapped, SMT on, Weights between 100-130, min CPU 2.7, max CPU 3.0
- B. LPARs 1 and 2, capped, SMT on, Weights between 100-130, min CPU 0.1, max CPU 1.0 LPARs 3 and 4, uncapped, SMT on, Weights between 25-30, min CPU 2.7, max CPU 3.0
- C. LPARs 1 and 2, uncapped, SMT on, Weights between 25-30, min CPU 0.1, max CPU 1.0 LPARs 3 and 4, capped, SMT on, Weights between 100-130, min CPU 2.7, max CPU 3.0
- D. LPARs 1 and 2, uncapped, SMT off, Weights between 25-30, min CPU 0.1, max CPU 1.0 LPARs 3 and 4, capped, SMT on, Weights between 100-130, min CPU 2.7, max CPU 3.0

Answer: A

QUESTION 57:

Certkiller .com has just installed a p5 595 with four uncapped LPARs in a shared processor pool. The system and profile settings are still in their default states. One of the LPARs has an application that is consuming all of the available shared processor resources. Users of this application are complaining about response time. Which of the following changes to the slow LPAR would improve response time?

- A. Enable SMT
- B. Reduce the weight
- C. Renice the process
- D. Increase the weight

Answer: D

QUESTION 58:

Certkiller .com tells the technical sales specialist that recent announcements state that virtual lan in the datacenter is the best option. The customer wants to use interpartition communication to save on adapters and increase performance. The systems are going to have shared and dedicated processor partitions. Some of the partitions will be running AIX 5.2 and some will be running AIX 5.3. The second p5 590 will be running a mixture of AIX 5.3 and Linux partitions with 2.6 kernel. What limitations of vlan/interpartition communication should be discussed with this customer?

- A. Virtual Ethernet uses the system processors for all communication functions instead of offloading that load to processors on network adapter cards. Virtual Ethernet is supported

on AIX 5L and Linux 2.5 and above.

B. Virtual Ethernet can be used within groups of shared OR groups of dedicated processor partitions, but not both simultaneously. Virtual Ethernet comes with AIX 5L, and is supported in AIX 5.2 or AIX 5.3 partitions, but not Linux.

C. Virtual Ethernet can be used in both shared and dedicated processor partitions. Virtual Ethernet can run in an AIX 5.3 or Linux 2.6 Kernel, but not AIX 5.2 partitions. Virtual Ethernet can only connect partitions within a single system.

D. Virtual Ethernet uses the system processors for all communication functions instead of offloading that load to processors on network adapter cards. Virtual Ethernet can connect partitions between systems if the HMC is shared between systems.

Answer: C

QUESTION 59:

Certkiller .com has a p5 590 that has their production LPAR, their Tivoli Storage Manager (TSM) LPAR, and several other LPARs. What method would provide connectivity between the production LPAR, and the TSM LPAR, but be isolated from the other LPARs in the system without utilizing a Virtual IO Server or physical adapter resources?

A. Use shared memory and semaphores to transfer the data to the TSM LPAR

B. Provide gigabit Ethernet adapters in each LPAR and run a crossover cable

C. Create a Virtual Ethernet between the production server and the TSM LPARs

D. Create a Virtual Ethernet between the TSM server LPAR and the non-production LPARs

Answer: C

QUESTION 60:

Certkiller .com informs the system administrator that there is concern about the Electronic Service Agent and security. What can be said about Electronic Service Agent that will address concerns about security?

A. All Service Agent transactions are inbound requests secured by encryption (cryptographic processor card) Kerberos, and Hypertext Transfer Protocol Secure (HTTPS).

B. The AT&T Global Network Services (AGNS) phone connection generates system IDs and passwords for the client every six months. Service Agent has no inbound capability.

C. All Service Agent transactions are outbound requests secured by encryption (Hypertext Transfer Protocol Secure (HTTPS) or POST). Service Agent has no inbound capability.

D. The transmissions from Service Agent can be either by Internet or the AT&T Global Network Services (AGNS) phone connection. Service Agent transactions are inbound requests generated by a point to point connection.

Answer: C

QUESTION 61:

Certkiller .com wants to manage multiple partitions for a p5 590 server using Partition Load Manager (PLM). Some of the partitions are dedicated processors and some of them are shared processors. What information about PLM limitations should be expressed to the customer?

- A. All of the partitions can be managed in one group mixing dedicated and shared processors. PLM will move resources in the group as setup in the PLM profiles.
- B. PLM handles memory, dedicated and shared processor partitions. All the partitions in a group must be of the same processor type. PLM moves I/O resources between partitions based on PLM policy files.
- C. PLM handles memory, dedicated and shared processor partitions. The policy file, once loaded, is static and has no knowledge of workload on the managed partitions. PLM is supported for partitions that are running AIX 5.2 or i5OS.
- D. All of the partitions in a group must be the same type, either all dedicated processor partitions or shared processor partitions. One PLM Server can manage multiple groups of partitions. PLM does not move resources between groups.

Answer: D

QUESTION 62:

Certkiller .com is considering a large partitioned p5 590 to consolidate several smaller systems in their data center. Due to the complexity of the consolidation, the customer is asking the technical support specialist to give them a report which shows pre order PCI adapter placement and validates them against IBM's recommendations. The concern is that the factory will not install the adapters in the appropriate slots as the customer pre-selected. What IBM tool is available to provide this?

- A. LPAR Validation Tool (LVT)
- B. Personal Systems Configurator (PSC)
- C. IBM Configuration for eBusiness (eConfig)
- D. Advanced System Management Interface (ASMI)

Answer: A

QUESTION 63:

Certkiller .com is planning on upgrading from a pSeries S85 running AIX 4.3.3 to a p5 570 with an HMC. The new server will run AIX 5L 5.2. What should be performed prior to the migration?

- A. Verify the ISV application runs on AIX 5.2
- B. Power4 to POWER5 upgrades are not supported without a application recompile
- C. Check the placement and size of the boot logical volume and disk space requirements on the S85
- D. AIX 4.3.3 to AIX 5L 5.2 migrations are perfectly compatible so nothing needs to be checked

Answer: A

QUESTION 64:

Users frequently overrun the amount of space intended for them, resulting in full home filesystems. The customer is currently using AIX 5.3 with a mix of JFS and JFS2 filesystems. Which of the following will contain the growth of the home filesystem space?

- A. Implement disk quota for all home filesystems
- B. Implement disk quota for the JFS2 home filesystems
- C. Recreate the home directories as individual filesystems
- D. Run the find command every night and delete all old files

Answer: A

QUESTION 65:

Certkiller .com is about to purchase a POWER5 Enterprise server which requires two Ethernet ports and two disks for each of the four LPARs. It has been configured and validated using the IBM eConfig tool. Which of the following is very important to verify in addition to the eConfig validation?

- A. Total number of SCSI adapters
- B. Total number of Ethernet adapters
- C. Total number of Ethernet adapters and number of SCSI paths per LPAR
- D. Total number of SCSI paths available and total number of SCSI adapters

Answer: C

QUESTION 66:

Certkiller .com has the following: 8 x 1.65GHz CPUs 16GB Memory 4 LPARs LPAR 1: Test/Dev 1 CPU, 2GB Memory, 1 Fibre Channel HBA, AIX 5.3 LPAR 2: QA 1 CPU, 2GB Memory, 1 Fibre Channel HBA, AIX 5.3 LPAR 3: Prod 3 CPUs, 6GB Memory, 1 Fibre Channel HBA, AIX 5.3 LPAR 4: Web App 3 CPUs, 6GB Memory, 1 Fibre Channel HBA, SUSE Linux Utilization over a 30 day period LPAR 1: Average utilization was 15%, Peak utilization was 100% LPAR 2: Average utilization was 25%, Peak utilization was 100% LPAR 3: Average utilization was 50%, Peak utilization was

90% LPAR 4: Average utilization was 35%, Peak utilization was 100% If the customer has a requirement for all four LPARs moved to a p5 590 and to have dedicated CPU resources, which of the following would best describe the profile requirements?

- A. LPARs 1 and 2, SMT on, min CPU 1.0, max CPU 1.0, desired CPU 1.0 LPARs 3 and 4, SMT on, min CPU 1.0, max CPU 3.0, desired CPU 2.0
- B. LPARs 1 and 2, SMT on, min CPU 1.0, max CPU 1.0, desired CPU 1.0 LPARs 3 and 4, SMT on, min CPU 2.0, max CPU 3.0, desired CPU 3.0
- C. LPARs 1 and 2, SMT on, min CPU 1.0, max CPU 3.0, desired CPU 3.0 LPARs 3 and 4, SMT on, min CPU 1.0, max CPU 3.0, desired CPU 2.0
- D. LPARs 1 and 2, SMT off, min CPU 1.0, max CPU 1.0, desired CPU 1.0 LPARs 3 and 4, SMT off, min CPU 1.0, max CPU 3.0, desired CPU 3.0

Answer: B

QUESTION 67:

Which Virtual IO Server function allows disk to be shared by multiple LPARs?

- A. Virtual LAN
- B. Virtual disk
- C. Virtual SCSI
- D. Virtual serial

Answer: C

QUESTION 68:

What utilities are available to monitor the Virtual IO Server performance?

- A. sar, top and mon
- B. ioo, vmo and topas
- C. ifconfig and traceroute
- D. Performance Toolbox Agent and Manager

Answer: B

QUESTION 69:

After installing a new p5 595, the system performs poorly. Which of the following services would provide updates needed to fix the problem?

- A. Alert
- B. Fix Central
- C. Software Maintenance
- D. Performance Monitoring

Answer: A

QUESTION 70:

Certkiller .com has successfully established their p5 LPAR environment on a POWER5 p5 590 running AIX 5.2. They are now ready to move to Virtual IO. What would be required to do Virtual IO?

- A. Apply APAR IY62262 to the current AIX 5.2 Maintenance level 04. Virtual IO Server is not required.
- B. Purchase Advanced POWER Virtualization software, upgrade to AIX 5.3 maintenance level 1 and apply APAR IY60349. Virtual IO Server is not required.
- C. Verify that there are enough resources to add a Virtual IO Server, upgrade to AIX 5.3 with APAR IY60349, create a Virtual IO Server after applying APAR IY62262.
- D. Verify that there are enough resources to add a Virtual IO Server, create a Virtual IO Server and apply APAR IY62262, verify that the system is at AIX 5.2 with Maintenance level 04.

Answer: C

QUESTION 71:

A client tried to upgrade the system firmware on a p5 590, but it failed. What is the minimum requirement to update the system firmware from the HMC if inventory scout is already installed?

- A. A public internet connection
- B. All of the Logical Partitions need to be active
- C. One partition must be configured with Service Authority
- D. A local Repository must be configured prior to the update

Answer: C

QUESTION 72:

A system administrator is responsible for a vast and growing collection of dissimilar AIX systems. The verification of microcode levels and installation of new microcode is becoming increasingly unmanageable. What tool can be used to discover the existence of new microcode and automate the download and installation?

- A. NIM
- B. HMC
- C. suma
- D. invscout

Answer: D

QUESTION 73:

Certkiller .com wants to reduce the number of copper, Ethernet adapters on their 4 way p5 570 running AIX 5.3 used in each of the four LPARs. Certkiller .com has one database LPAR, two application LPARs, and one web LPAR. Only the Web LPAR needs to communicate with the outside world. What is the minimum number of Ethernet adapters that should be provided to ensure redundancy and no single point of failure?

- A. One single port Ethernet adapter
- B. Four dual port Ethernet adapters
- C. Two single port Ethernet adapters
- D. Eight single port Ethernet adapters

Answer: A

QUESTION 74:

During the Solution Assurance for a p5 590, Certkiller .com states there is a plan to install OEM Emulex cards in the p5 590. The customer assumes there will be no problem with the plan since IBM resells the Emulex cards. What is the correct response for the customer?

- A. The IBM CE will install the card
- B. The card will not be supported by IBM
- C. The AIX device driver should work fine
- D. The customer is correct, there should be no problem

Answer: B

QUESTION 75:

Certkiller .com is currently using a p690 and has just ordered a p5 590. They prefer to run in full system partition mode, since their application will utilize all the resources in the machine, and they don't want the overhead of an LPAR. What is the best response to the customer about the POWER5 capabilities?

- A. POWER5 runs in an SMP mode as default
- B. POWER5 can run in a full system mode the same as the p690
- C. POWER5 can run in full system mode with the purchase of PLM
- D. POWER5 can run in a full system mode, but it is in LPAR mode

Answer: D

QUESTION 76:

With a scalable volume group, where is the logical volume control information stored on the disk?

- A. In the ODM
- B. In the volume group descriptor area
- C. In the first 512 bytes of the logical device
- D. In the first block of the user data within the LV

Answer: B

QUESTION 77:

A current Sun Solaris customer has just purchased their first p5 590. During the Solution Assurance, the backup requirements were discussed. Which of the following should be recommended to the customer with regards to restoring rootvg?

- A. mksysb
- B. restvg
- C. AIX install CDs
- D. Veritas NetBackup

Answer: A

QUESTION 78:

Certkiller .com is installing a Virtual IO Server to reduce the number of fibre channel adapters needed for each partition. The customer wants to use disk based copy functions to replicate the data on the LUNs. How can this be accomplished?

- A. Create LVM mirrors between LUNs
- B. MPIO is necessary as the device driver
- C. Use separate fibre adapters in the Virtual IO Server for each LUN
- D. Virtual IO Server is a disk subsystem and must control the LUNs behind it

Answer: B

QUESTION 79:

Certkiller .com has a p690 and currently has eight LPARs. They have purchased a p5 590 and wish to migrate their eight LPARs to the new server. The LPARs are running either AIX 5.2 or AIX 5.3 with the current maintenance. What is the LEAST disruptive method for this activity?

- A. New install of AIX

- B. Migrate the 7040-61D
- C. Utilize alt_disk_install
- D. Use the enterprise back up strategy

Answer: C

QUESTION 80:

Certkiller .com is planning to do server consolidation on POWER5. The customer has a test environment, a QA environment and a production environment for two applications. Both the test and QA environments are very small and are only utilized when new releases are being developed and tested. They require less than 1 CPU each. Both production applications require 2 CPUs for day-to-day operation and can require up to an additional 2 CPUs each during abrupt peak requirements. What is the best design for the LPARs?

- A. Use micropartitioning for test and QA environments, and DLPAR for the production applications
- B. Use micropartitioning for test and QA environment, and CPU pooling for the production applications
- C. Create standard LPARs for all test, QA, and production applications to keep all partitions separate and isolated.
- D. Create DLPAR partitions for all test, QA, and production applications to keep test from disturbing production environment.

Answer: B

QUESTION 81:

Certkiller .com has five LPARs, but only one CD drive. How should the CD drive be shared among all the users without system administrator action?

- A. Allocate the CD to the VIO Server and NFS export the CD to the user LPARs
- B. Allocate the CD to one of the user LPARs and config the VIO Server to NFS import it
- C. Allocate the CD to the VIO Server and the LPARs will share it as a Virtual SCSI device
- D. Allocate the CD to one of the user LPARs and NFS export it to the remaining user LPARs

Answer: D

QUESTION 82:

500 systems are being deployed to remote locations. What tool on the remote systems can be used to automate the download and installation of fixes at the remote site?

- A. dsh
- B. suma
- C. sudo
- D. smitty

Answer: B

QUESTION 83:

Certkiller .com is converting an application over to a p5 595 server with LPARs and has underestimated the processor requirements. The system has COD processors, but the customer does not know how to size the workload. What course of action would help identify the processor requirement?

- A. Activate the Trial COD for the processors and run a test to verify outcome
- B. Activate the On/Off COD for the processors and run a test to verify outcome
- C. Use rmss to simulate the processor workload and run a test to verify outcome
- D. Use rmps to simulate the processor workload and run a test to verify outcome

Answer: A

QUESTION 84:

SuSe Linux Enterprise Server (SLES) has been installed on an LPAR on a p5 570, but the client is having problems directly after installation with slow network performance. What is the most probable cause?

- A. SLES does not perform well with DHCP
- B. SLES was installed with the default host name of Linux
- C. Virtual Network Resources are being used, which is not supported in a SLES environment
- D. The SLES instance was installed in 32-bit mode, where 64-bit should have been selected

Answer: B

QUESTION 85:

A system administrator for a business recovery service center needs to test disaster recovery strategies for their clients running Linux. Each client has a different system configuration. Each time a client comes in, the system configuration of the managed system must change. What is the best way to handle this using LPAR?

- A. Create a system profile. Reconfigure the managed system by activating and deactivating the system profiles.
- B. Create one partition profile for each client. Reconfigure the managed system by

activating the partition profiles for that client.

C. Dynamically move processors and memory as needed into each logical partition.

Reconfigure the managed system by activating and deactivating partition profiles.

D. Dynamically move processors and memory into each logical partition on the server if additional resources are needed. Reconfigure the managed system by activating and deactivating the system profiles.

Answer: B

QUESTION 86:

Certkiller .com purchased a p5 570 with no plans to partition. The customer plans to use the ASMI interface to power on and off the machine. How can ASMI be accessed without a HMC?

A. By typing diag and then going to the ASMI menus

B. Through SSH from a TCP/IP connection on the server

C. Through WebSM which is connected to a system Ethernet port

D. By connecting through a web browser to an HMC Ethernet port

Answer: D

QUESTION 87:

The Service Agent User Interface option is being selected for Electronic Service Agent on the HMC. What would be typed in to authenticate and gain access to the application?

A. abc123

B. hscroot

C. passw0rd

D. password

Answer: D

QUESTION 88:

Certkiller .com wants to buy a new p5 570 running AIX 5.3. The applications require 4 processors and 8GB of memory. There is a requirement to have a Virtual IO Server.

What is the smallest p5 570 that should be sold to this customer?

A. 4 processors 8GB of memory

B. 5 processors 8GB of memory

C. 4 processors 10GB of memory

D. 5 processors 10GB of memory

Answer: D

QUESTION 89:

A filesystem fails to mount and running fsck does not resolve the problem. What command should be run next?

- A. logform
- B. savebase
- C. exportvg
- D. synclvodm

Answer: A

QUESTION 90:

An administrator has set up three partitions using a shared processor pool with 2 processors and SMT turned on. The partitions are activated in the following sequence: Partition one: Min = 0.5, max = 3.0, desired = 1.0 Partition two: Min = 1.0, max = 3.0, desired = 1.5 Partition three: Min = .1, max = 0.5, desired = .2 What is the outcome?

- A. Partition one starts and has 3.0 logical processors. Partition two does not start. Partition three has 1.0 logical processors.
- B. Partition one starts and has 1.5 logical processors. Partition two has 1.0 logical processors. Partition three has 0.1 processors.
- C. Partition one starts and has 2.0 logical processors. Partition two start and has 2.0 logical processors. Partition three does not start.
- D. Partition one starts and has 2.0 logical processors. Partition two has 1.0 logical processors. Partition three has 0.1 logical processors.

Answer: C

QUESTION 91:

Certkiller .com is planning a p5 595 running AIX 5L 5.3 LPARs. They would like to design the system using physical resources with maximum resource efficiency. One LPAR requires a peak load of 30 processors during the week with a low of 1 processor required on the weekend. The other LPAR requires only a single processor most of the time, but needs at least 24 processors at the beginning of the weekend to finish its weekly processing in the window allocated. Which of the following solutions is most appropriate to continuously maximize resource use for these two LPARs?

- A. Dynamic LPAR
- B. Workload Manager
- C. Partition Load Manager
- D. Shared Processor Pools

Answer: C

QUESTION 92:

A p5 595 does not have any device connected to it for backup. What AIX method should be used to backup each of the LPAR environments and have a quick recovery path?

- A. Use savevg and copy to an NFS filesystem
- B. Create a mksysb on an NFS exported filesystem
- C. Use tar to copy system over network with a pipe
- D. Create mksysb on an NFS exported NIM filesystem

Answer: D

QUESTION 93:

A solution for two batch applications was proposed in Certkiller .com meeting. They are currently running in two LPARs on a p690. On a daily basis, both applications use 15% of the machine for their workload, and increase to 100% when their weekly reports are run. Since the reports are not run on the same day, what is the best solution?

- A. COD
- B. DLPAR
- C. One big LPAR
- D. Two separate p690 machines

Answer: B

QUESTION 94:

Certkiller .com has restored their mksysb. They notice that the external volume groups cannot be seen. What should be done to access the volume groups?

- A. Run importvg command
- B. Run synclvodm command
- C. Recreate volume groups
- D. Update /etc/filesystems

Answer: A

QUESTION 95:

Certkiller .com has a requirement to consolidate six web application servers. There is unused capacity of 2 CPUs on their new p5 570. Which operating systems and or features are required?

- A. APV, AIX5.2ML4
- B. AIX5.3 or i5/OS
- C. APV, i5/OS, AIX5.3
- D. APV, AIX5.3 or SuSE9

Answer: D

QUESTION 96:

In addition to the partition profile backup, how should the HMC be backed up to provide bare-metal restore capabilities?

- A. Backup critical console data
- B. Backup a bootable image to tape
- C. Create mksysb image and store on a NIM server
- D. Create mksysb image and store on an NFS server

Answer: A

QUESTION 97:

While planning the logical volume design of a new install, Certkiller .com considered using a striped logical volume for performance. They want to be able to extend the logical volume in the future. Which of the following actions will provide this capability?

- A. Add additional logical volumes two at a time
- B. Add additional physical volumes two at a time
- C. Create a columned striped logical volume using -C option of mklv
- D. Create an extendable striped logical volume using -E option of mklv

Answer: C

QUESTION 98:

One of the mirrored disks for the root volume group has failed. Although the logical volumes are mirrored, and the bosboot command was run, the machine will not boot. What is the most probable cause?

- A. Quorum was not turned off
- B. Paging space was not mirrored
- C. The dump space was not mirrored
- D. The surviving disk was too small

Answer: A

QUESTION 99:

A client is experiencing issues after cloning an LPAR using alt_disk_install. DLPAR functions are not available for the new LPAR. Also, there is a lot of network traffic to the HMC. What is the most probable cause of this problem?

- A. DLPAR functions are not available for cloned partitions
- B. The new partition has the same node number as the original LPAR
- C. Additional filesets need to be reinstalled after the alt_disk_install cloning
- D. The speed and duplex settings on the Ethernet adapter on the new LPAR is misconfigured

Answer: B

QUESTION 100:

A large enterprise customer needs a standardized way to backup user data from multiple systems to tape. What solution will meet this need?

- A. backup command
- B. Tivoli Storage Manager
- C. Tivoli Disaster Recovery Manager
- D. Store mksysb images on a NIM server

Answer: B

QUESTION 101:

Certkiller .com is installing a p5 590 with a HMC to manage LPARs. The customer is very concerned about security and wants to restrict network traffic that is not necessary. What is necessary for communication between the LPARs and the HMC?

- A. An administrative VLAN with port 1808
- B. Port 657 which must remain open to TCP/IP and UDP traffic
- C. Network addresses are provided by DHCP services on the network
- D. DHCP on the HMC is required to be on to communicate between LPAR and HMC

Answer: B

QUESTION 102:

Certkiller .com has several AS/400 servers in their IT infrastructure running V5R2 that they wish to consolidate. The customer wants to simplify their environment and install i5/OS on a p5 590 with 16 1.65GHz processors and 20 i5/OS partitions. The customer plans to use the Advanced Power Virtualization to share their storage, processors, and memory. What considerations and limitations should be reviewed with the customer

before the purchase?

- A. Resources cannot be shared with an i5 partition when it is put on a pSeries. The i5 partition needs its own 9411-100 tower because of IOP. V5R3 OS or later is required. There is a maximum of two partitions in a 590.
- B. Resources cannot be shared between partitions when i5/OS is put on a pSeries. The i5 partition needs its own 9411-100 tower because of IOP. i5/OS can be at V5R2 or a V5R3. Currently only one i5 partition is allowed.
- C. V5R3 is required for the i5 partitions. Virtual IO Server is not supported for the i5/OS partitions to share storage. Up to 10 i5 partitions per processor are allowed (a maximum of two processors for up to 20 partitions).
- D. Processor and memory resources can be shared between AIX 5L, Linux and i5/os partitions. i5/OS needs to be at V5R3, and Virtual IO Server is not supported for the i5/OS partition to share storage. On a 1.65 GHz POWER5 p5 590 there is a maximum of one partition.

Answer: C

QUESTION 103:

Certkiller .com is trying to communicate with the service processor of the a new p5 590. However, the customer can not access the service processor. What needs to be done to fix this problem?

- A. Enable DHCP server on the HMC
- B. Configure host name and IP address on DNS server
- C. Manually set the IP address of the service processor
- D. Connect a RS-232 cable from the HMC to the service processor

Answer: A

QUESTION 104:

Certkiller .com is purchasing a 64-way p5 595. They have determined the location for the server is in a datacenter which does not have a raised floor. Which of the following would best meet the server requirements?

- A. The server must be installed into a location with a raised floor for optimum system cooling and cable management.
- B. The server should be purchased as a p5 590 and then upgraded to a p5 595. This will eliminate the need for a raised floor environment.
- C. The server should be purchased as 32-way p5 595 and then upgraded to a 64-way. This will eliminate the need for a raised floor environment.
- D. The server can be installed into a location without a raised floor if an RPQ is obtained. It is a strong IBM recommendation for a raised floor, not a requirement.

Answer: A

QUESTION 105:

A client will be creating partitions on multiple systems with identical configurations. What is the recommended method for cloning the master partition?

- A. Create a mksysb backup of the original and restore it to the new partitions
- B. Use NIM to load the additional partitions from an image of the original partition
- C. Create alt_disk_install clones of the original partition and assign the target disks to the new partitions
- D. Use the split mirror function to split off additional copies of the original partition and assign them to the other partitions

Answer: B

QUESTION 106:

A p5 570 12 way was purchased with the plan to install six LPARs running AIX 5.2. The machine has 12 disks spread evenly over the internal server drawers. The customer would now like to add a seventh LPAR. Which of the following should be added for the seventh LPAR boot device?

- A. An additional 7311-D10 drawer
- B. An adapter to boot off a SAN device
- C. An additional disk to the media bay
- D. Two disks to the internal configuration

Answer: B

QUESTION 107:

How can dedicated processors be differentiated from virtual processors from a physical processor viewpoint?

- A. Dedicated and never Virtual processors are used in Virtual IO Servers partitions
- B. Dedicated processors are whole processors that are assigned to a single partition
- C. Dedicated processors are fractions of whole processors that are dedicated to a single partition
- D. Dedicated and Virtual processors are interchangeable concepts, both are whole physical processors used in virtual and dedicated LPARs

Answer: B

QUESTION 108:

Micro-Partitioning can be defined as

- A. multiple partitions that share the processing power of a set of physical processors where a partition can be assigned as little as 1/2 of a physical processor's resource.
- B. multiple partitions that share the processing power of a set of physical processors where a partition can be assigned as little as 1/100th of a physical processor's resource.
- C. an advanced virtualization feature of POWER5 systems with Linux (SUSE and Red Hat for POWER) and AIX 5L Version 5.3 that allows multiple partitions to share the processing power of a set of physical processors.
- D. an advanced virtualization feature of POWER5 systems with Linux (SUSE and Red Hat for POWER) and AIX 5L Version 5.2 or 5.3 that allows multiple partitions to share the processing power of a set of physical processors.

Answer: C

QUESTION 109:

Certkiller .com has a Linux LPAR on a p5 570 server. The 3rd party storage subsystem devices are not supported by Linux. How would access be provided to the storage subsystem devices for this Linux LPAR?

- A. Daisy chain the unsupported 3rd party storage subsystem devices with the local SCSI disk drive
- B. Assuming the 3rd party storage subsystem has AIX support, enable access through a Virtual IO Server
- C. Assuming the 3rd party storage subsystem has AIX support, implement the Linux partition within an AIX partition
- D. 3rd party storage is not an option for p5 570 servers and therefore only IBM disk subsystems can be considered as a solution

Answer: B

QUESTION 110:

If using alt_disk_install to install AIX on new LPARs, which of the following will be necessary after booting the new AIX image?

- A. Restart the rsct and inetd daemons
- B. Customize the node setting in /etc/services
- C. Rename the rootvg filesystems to their original names
- D. Customize the node_id file and restart the rsct daemons

Answer: D

QUESTION 111:

Certkiller .com is buying an application solution that bases its software licensing on the number of CPUs per machine. They will be running two instances of this application and will require 8 CPUs each. A second application is priced based on CPUs per LPAR as well as the class of machine. That application will require 8 CPUs. What is the best hardware to propose to keep the software cost low?

- A. A 24 way p5 595 with 3 LPARs
- B. A 24 way p5 595 with 2 LPARs
- C. One p5 570s 16 way and one p5 570 8 way
- D. One p5 595 12 way active and 12 way inactive, and one p5 570 8 way

Answer: C

QUESTION 112:

When booting the p5 590 server in full system partition mode, which location is preferred for the fastest boot?

- A. A SAN device
- B. First I/O drawer
- C. Any I/O drawer within the main frame
- D. First I/O drawer within the expansion frame

Answer: B

QUESTION 113:

A database application is installed on a server. The AIX default filesystem cache is not being re-used by the database. Which of the following should be used to fix this problem?

- A. vmo to adjust the maxperm value
- B. schedo to adjust the mempool size
- C. ioo to modify the maxpgahead value
- D. bosboot to reassign the memory cache size

Answer: A

QUESTION 114:

Certkiller .com is migrating from a p690 to a p5 595 utilizing APV Virtual IO features. They have created their profiles for their two Virtual IO Servers. The first Virtual IO Server is installed and running. When trying to DLPAR the DVD-ROM the task fails on the HMC. What is the probable cause?

- A. APV key is not registered
- B. Networking and DNS are not configured
- C. /etc/hosts table on HMC is not configured
- D. Virtual IO Server dose not support DLPAR

Answer: B

QUESTION 115:

Certkiller .com recently ordered a p5 570 and an HMC. Prior to delivery, two additional p5 570 servers were added to the order. Upon installation, the system administrator noticed that they do not have a method to connect the p5 570 servers to the HMC. Which of the following will allow them to connect all servers to the HMC?

- A. An 8-port adapter to the HMC
- B. A hub for the private network
- C. An additional Ethernet card to the HMC
- D. An additional Ethernet card for each partition

Answer: B

QUESTION 116:

Certkiller .com is moving their application to a p5 590 and at the same time moving to a new version of the application. The customer knows only about the resource requirements of the old version. Which of the following is the best method to migrate their application to POWER5?

- A. Add CPU and memory COD so they have room to grow if required
- B. Make the server configuration twice as large as the current requirement
- C. Configure the server for the current capacity requirements
- D. Make the server configuration a little larger than the current capacity requirements

Answer: A

QUESTION 117:

A client has the need to reboot one of their Virtual IO Servers. What command(s) would be run to list the clients that are dependant on Virtual IO Server disk and network resources?

- A. lsmap -all -net
- B. lsclient -disk -net
- C. lsdev -virtual -client
- D. lsmap -all; lsmap -net

Answer: D

QUESTION 118:

The system administrator is trying to set up DLPAR between the HMC and the partition. The network configurations were checked and the system administrator is able to ping both sides. The HMC daemons were checked with `lssrc -a` command: Subsystem Group PID Status `ctrmc rsct 822 active IBM.DMSRM rsct_rm 906 active IBM.LparCmdRM rsct_rm 901 active` On the HMC the command `CT_CONTACT=<lpar_hostname>` `lssrc IBM.ManagementServer` and on the partition the command `CT_CONTACT=<HMC name>` `lssrc IBM.ManagedNode` were run. LPARs and hostnames came back correctly. What would be the next troubleshooting steps?

- A. run: `lssrc -a | grep rsct` on the HMC run: `/opt/csm/bin/lsnodes -a` Status on partitions to see if ready for RMC. run: `lspartition -dlpar` on HMC to see if recognized by DLPAR ensure `/tmp` directory is not 100% full
- B. run: `runslpp -l rsct.core*` and `runslpp -l csm.client` on the partition to be sure that all filesets have been loaded. run: `lspartition -dlpar` on partition to see if recognized by DLPAR ensure `/tmp` directory is not 100% full
- C. run: `runslpp -l rsct.core*` and `runslpp -l csm.client` on the HMC to be sure that all filesets for the HMC have been loaded. run: `lspartition -dlpar` on partition to see if recognized by DLPAR ensure `/var` directory is not 100% full
- D. run: `lssrc -a | grep rsct` on partitions to be sure all daemons are running. run: `/opt/csm/bin/lsnodes -a` Status on HMC to see if DLPAR is ready by RMC. run: `lspartition -dlpar` on HMC to see if partitions are recognized by DLPAR ensure `/var` directory is not 100% full.

Answer: D

QUESTION 119:

The System Administrator has set up shared processors on three partitions in the p5 590 system. The shared processors have been set to uncapped. The system administrator notices that the logical partition is acting like it is capped. What is the most probable cause?

- A. The uncapped weight has been set to 0.
- B. The uncapped weight has been set to 128.
- C. The processing unit for that partition was set to .1 processing units. A full processor was assigned.
- D. The processing unit for that partition was set to 0.50 processing units. A full processor was assigned.

Answer: A

QUESTION 120:

System configurations on the HMC have been backed up correctly. After a restore, the partitions are defined with different characteristics than the running systems. What is the most probable cause of this problem?

- A. The LPAR Configuration backup is corrupt
- B. The LPAR Configuration has been altered using DLPAR
- C. The LPAR Configuration backup was performed on a different HMC
- D. The LPAR Configuration has been altered through the Advanced System Management Interface (ASMI) on the server after the backup was performed

Answer: B

QUESTION 121:

Certkiller .com has several CR3 HMCs managing their p690 servers. They have purchased a new p5 570 and would like to manage the new system with an existing HMC. What is required to support this environment?

- A. Free up one HMC and update the software for use with the p5 570
- B. Connect the new p5 570 server to an existing HMC and manage the p690s and p5 570 from that HMC
- C. Order a new HMC to support the new p5 570 server since the CR3 HMC is not supported for a p5 570
- D. Backup the HMC to DVD-RAM and select HMC migrate to move all the profile data to the new HMC software

Answer: A

QUESTION 122:

Certkiller .com has a requirement for an LPAR in their p5 595 to run SUSE Linux. They also require an adapter that is not currently supported in Linux. Which of the following would be the best solution to recommend?

- A. Assign the adapter to an IO Hosting partition
- B. Use AIX 5L affinity to move the application from SUSE to AIX
- C. Use AIX 5.3 drivers to install the adapter in the Linux LPAR
- D. Assign the adapter to an AIX 5.3 partition running Linux Affinity

Answer: A

QUESTION 123:

Certkiller .com LPAR that is using a Virtual IO Server needs to be more highly available.

How can this be accomplished using APV features?

- A. Reallocate the Virtual IO Server disks to the user LPAR
- B. Create a stripe-group within the Virtual IO Server to protect against disk failure
- C. Reconfigure the user LPAR to use both locally owned disk and a Virtual SCSI disk
- D. Create a second Virtual IO Server and reconfigure the user LPAR to mirror across both Virtual IO Servers

Answer: D

QUESTION 124:

Certkiller .com has plans to deploy a large database solution. Their primary requirement is minimal user access downtime. They are comparing a single server implementation with a two server deployment. What solution would they use to avoid downtime for OS software maintenance?

- A. Apply OS updates once a year
- B. Utilize a GPFS cluster solution
- C. Implement a two server deployment with HACMP
- D. Install a single server implementation with HACMP failover to a second LPAR

Answer: C

QUESTION 125:

What type of configuration can provide the best availability in a Virtual IO Server environment?

- A. Provide multiple paths to all resources through 2 or more Virtual IO Servers
- B. Mirror all disk resources on the Virtual IO Server to present to the client LPAR
- C. Mirror all disk resources on the client LPAR to the shared SCSI on the Virtual IO Server
- D. Trunk multiple Ethernet adapters on the Virtual IO Server to a single Shared Ethernet Adapter (SEA)

Answer: A

QUESTION 126:

Certkiller .com is using shared processor LPARs exclusively, including the Virtual IO Server. The users are complaining about response time. The application LPARs can be heavy processor users. The Virtual IO Server has been measured to be processor constrained. How should the Virtual IO Server's shared processor LPAR be configured?

- A. Capped and with a lower share

- B. Uncapped and with a lower share
- C. Uncapped and with a higher share
- D. Capped and with no change in share

Answer: C

QUESTION 127:

Certkiller .com has purchased a p5 590 with 16 CPUs. To run Simultaneous Multi-Threading (SMT) with a 4-way virtual processor partition with 2.0 processing units of entitlement, how many logical CPUs will be allocated?

- A. 8-way logical CPU partition, where each logical CPU has the power of 25% of a logical processor
- B. 4-way logical CPU partition, where each logical CPU has the power of 50% of a physical processor
- C. 8-way logical CPU partition, where each logical CPU has the power of 25% of a physical processor
- D. 16-way logical CPU partition, where each logical CPU has the power of 25% of a physical processor

Answer: C

QUESTION 128:

What is a primary differentiator between pSeries eWLM (Enterprise Workload Manager) and WLM (Workload Manager)?

- A. pSeries eWLM can create classes while pSeries WLM can create tiers.
- B. pSeries eWLM can create tiers while pSeries WLM can create classes.
- C. pSeries eWLM is implemented over multiple O/S images while pSeries WLM is implemented within an individual O/S image.
- D. pSeries eWLM is implemented within an individual O/S image while pSeries WLM is implemented over multiple O/S images.

Answer: C

QUESTION 129:

A company wants to buy memory efficiently on their p5 590 to allow for the best performance. What is the best practice for adding memory for performance?

- A. Install more cards of smaller capacity and same size across MCMs. Use DDR2(dual data rate) memory if using HPC (High Performance Computing).
- B. Install fewer cards of larger capacity of the same size across MCMs. Servers with one processor book must have a minimum of four memory cards installed.

- C. Intermix DDR1 and DDR2 memory so that partitions requiring the higher performance can take advantage of them. Half of the available memory slots in the system should contain memory.
- D. Use fewer higher density memory cards so that a few memory slots are left open for future growth. Each processor book provides sixteen memory card slots. The p5 590 supports a maximum of 64 memory cards.

Answer: A

QUESTION 130:

Certkiller .com wants the application server LPAR to communicate with the database LPAR on a p5 590 without using network adapters. What does the customer need to install?

- A. VIO Server
- B. AIX 5.2 ML4
- C. Shared Ethernet Adapter
- D. AIX 5.3 with Advanced Power Virtualization

Answer: D

QUESTION 131:

Certkiller .com has seven days of vmstat data on a p5 590. The server has a total of four test/dev LPARs and 4 production LPARs of one processor each. On the four test/dev LPARs, the data shows 90-95% peak utilizations with a duration of from 5 to 10 minutes. The average utilizations of all LPARs were between 15-30%. All of the applications have different times when they peak. What is the best configuration to fully utilize the processor resource?

- A. Set up the server in SMP mode and use WLM to manage resources effectively
- B. Set up eight dedicated LPARs and use DLPAR to manage resources effectively
- C. Set up a shared pool with eight capped LPARs including production and test/dev
- D. Set up a shared pool with eight uncapped LPARs with priority weight to Production

Answer: D

QUESTION 132:

Certkiller .com needs to run a 32 bit kernel under AIX 5.3. What steps need to be done to accomplish this with the least disruption since the system is already installed with a 64 bit kernel?

- A. Reload the operating system and select 32 bit kernel on initial install.
- B. Repoint the symbolic link of /unix to unix_mp. Perform a bosboot and reboot the

partition.

C. Use the SMIT menu to select 32 bit versus the 64 bit kernel. Select 32 bits and reboot the partition.

D. Go into SMIT and select 32 bit kernel. Run the `/usr/sbin/bootinfo -K` command, and ensure that the kernel has been changed.

Answer: B