

Exam : IBM 000-062

Title : System p5 Virtualization Technical
Support

Update : Demo

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1. Which feature of the IBM p5 servers enables customers to be confident that data within two distinct partitions on the server will be isolated?

- A. POWER Hypervisor
- B. Virtual LAN
- C. POWER5 processor
- D. Redundant Power and Cooling

Answer: A

2. A customer has a two-way p5-520 that will be running three shared processor Micro-Partitions consuming 60 percent of system resources. Immediately prior to shipment, the customer discovered they need to run a fourth server that requires AIX 5L V5.2. Which of the following will satisfy this requirement?

- A. Change to a 4-way p5-550
- B. Use Capacity on Demand
- C. Configure a fourth logical partition
- D. Add memory to the configuration

Answer: A

3. A client partition has the rootvg disks mapped from two separate VIO servers. They are using AIX mirroring to provide redundancy on rootvg. One of the VIO servers was taken down for maintenance and is now back on-line. The client partitions now show Physical Partition Marked Stale in the errpt. Which of the following will most likely resolve the problem?

- A. Run cfgmgr to re-scan the devices.
- B. Run mkvdev on the VIO server to re-create the devices and re-mirror rootvg.
- C. Run varyonvg rootvg to refresh the volume group.
- D. Run syncvg on the rootvg to synchronize rootvg.

Answer: C

4. Which of the following is an advantage of using virtualization to consolidate servers?

- A. Reduced power and space requirements
- B. Saves money on software costs
- C. Maintenance is easier because there is only one server
- D. Fewer instances of the operating system to maintain

Answer: A

5. A small organization is purchasing a POWER5 to consolidate four applications. Currently, each application has two Host Bus Adapters (HBA) connected to an Enterprise Storage Server (ESS). The customer is concerned about the cost of purchasing eight new HBAs. Which feature of virtualization will be most beneficial to this organization?

- A. Virtual Ethernet
- B. Micro-Partitioning
- C. Virtual I/O Server
- D. Capped and uncapped partitions

Answer: C

6. A customer wants to build two Dynamic Logical Partitions (DLPAR) on a p5-520. They have a requirement for communication between the two DLPARs. Which feature of virtualization will satisfy this requirement?

- A. VLAN
- B. Virtual Ethernet
- C. Virtual I/O Server Support
- D. Capped and Uncapped Partitions

Answer: B

7. A customer wants to change the resource allocation for their AIX 5L V5.3 micro LPAR system. What is the smallest processor allocation that can be moved between partitions? A. A full processor

- B. 1% of a processor
- C. 10% of a processor
- D. 25% of a processor

Answer: B

8. A customer has four pSeries servers in their data center and wants to deploy multiple Micro-Partitions. Which of the following data center servers can be used for this purpose? A. p5-520 running Virtual I/O Server

- B. p690 running AIX 5L V5.3
- C. p5-510 running AIX 5L V5.2
- D. p5-520 running two dedicated processor partitions

Answer: A

9. A customer has a 2 processor license for SLES 9 and a 2 processor license for AIX V5.3. Which of the following LPAR configurations is valid on a 4-way p5-550?

- A. SLES9: 2 dedicated processors AIX: 2.0 processing units, 4 virtual processors, uncapped
- B. SLES9: 2.0 processing units, 2 virtual processors, uncapped AIX: 2.0 processing units, 4 virtual processors, capped
- C. SLES9: 2.0 processing units, 3 virtual processors, uncapped AIX: 2 dedicated processors
- D. SLES9: 2.5 processing units, 3 virtual processors, capped AIX: 1.5 processing units, 2 virtual processors, capped

Answer: B

10. Which feature allows multiple partitions to share access to the network through the same physical adapter?

- A. VLAN
- B. EtherChannel
- C. Virtual I/O Server
- D. IP address aliasing

Answer: C

11. A system administrator is deploying a new POWER5 server. The application requires AIX 5L V5.2. Which of the following virtualization technologies can be used?

- A. DLPAR
- B. Micro-Partitioning
- C. Virtual Storage
- D. Virtual Ethernet

Answer: A

12. A technical specialist has a requirement to implement a 4-way POWER5 server with a small Web server partition and a high performance database server partition. The Web server provides a client front-end to the database server. The most important concerns are speed of communication between the Web server and the database and I/O speed of the database. Which of the following virtualization features would be most appropriate?

- A. Virtual SCSI
- B. Virtual Ethernet
- C. Virtual I/O Server
- D. Micro-Partitioning

Answer: B

13. A customer has a pSeries p5-520 2-way server running AIX 5L V5.3 with APV. The p5-520 is 75% utilized. The system administrator receives a request to install a new Web server for a small department. Which of the following is the best fit to deploy the new Web server?

- A. Create a dedicated LPAR for the existing workload and a Micro-Partition for the Web server.
- B. Create a dedicated LPAR for the existing workload and a dedicated LPAR for the Web server.
- C. Create a Micro-Partition for the existing workload and a dedicated LPAR for the Web server.
- D. Create a Micro-Partition for the existing workload and a Micro-Partition for the Web server.

Answer: D

14. A system administrator has a pSeries p5-520 2-way with AIX 5L V5.2 with a peak utilization of 50%. There is a request to add a new Web server for a small department. Which of the following solutions is the best fit for this environment?

- A. Create a dedicated LPAR for the existing workload and a Micro-Partition for the Web server.
- B. Create a dedicated LPAR for the existing workload and a dedicated LPAR for the Web server.
- C. Create a Micro-Partition for the existing workload and a dedicated LPAR for the Web server.
- D. Create a Micro-Partition for the existing workload and a Micro-Partition for the Web server.

Answer: B

15. Which of the following functions is provided by the LPAR Validation Tool (LVT)?

- A. LPAR creation
- B. Proper card placement
- C. Application compatibility assistance
- D. Response time for applications

Answer: B

16. When doing capacity planning for the Virtual I/O Server, what is the most important consideration?

- A. The I/O workload needs of the client LPARs
- B. The processing requirements of the client LPARs
- C. The memory requirements of the client LPARs
- D. The virtual Ethernet requirements between client LPARs

Answer: A

17. The Information Technology (IT) department wants to consolidate two 4-way p5-550 servers onto an 8-way p5-570. However, the departments using the p5-550 servers are concerned about quality of service after consolidation. Which per-partition processor allocation would provide comparable performance while still allowing the POWER5 hypervisor to optimize the processing workload of the server?

- A. 4.0 processing units, 4 virtual processors, capped mode
- B. 4.0 processing units, 4 virtual processors, uncapped mode
- C. 4.0 processing units, 8 virtual processors, capped mode
- D. 4.0 processing units, 8 virtual processors, uncapped mode

Answer: D

18. A customer wants to put two Micro-Partitions on a p5-570 and attach to a SAN. What is the best LPAR configuration to maximize SAN availability using four Host Bus Adapters (HBAs)?

- A. Two HBAs assigned to each redundant VIOS which provides VSCSI access to LUNs
- B. Two HBAs assigned to each LPAR with each LPAR owning HBAs on the same PCI busses
- C. Two HBAs assigned to each LPAR with each LPAR owning HBAs on separate PCI busses
- D. One HBA assigned to each LPAR and two HBAs assigned to a VIOS providing VSCSI access to LUNs

Answer: A

19. A hosting company recently purchased an IBM p5-570 to use in their data center. The company intends to use the server to run several different client workloads. Which of the following features of the IBM p5 servers addresses the need for the isolation of workloads?

- A. Workload Manager
- B. Support for AIX 5.3
- C. Logical partitioning
- D. 64-bit or 32-bit kernel support

Answer: C

20. A customer has a database application and a Web server application running on the same p5-570 server in a single partition. Recently there have been a number of instances where the increased load on the database server has impacted the performance of the Web server. What can the technical specialist recommend to keep the database application from impacting the performance of the Web server?

- A. Create a VLAN between the web server and database server.
- B. Purchase APV and install the VIOS.
- C. Increase the priority of the Web server.
- D. Create separate LPARs for Web and database workloads.

Answer: D

21. A customer is adding a new I/O drawer to an existing p5-570 with four LPARs and wants to re-balance the network cards in the I/O drawers. What is the best way to accomplish this?

- A. Add the devices as virtual adapters to a VIO server first, then add the I/O drawer and create the Shared Ethernet Adapters.
- B. Power down the partitions, run the diag -a command when the system is brought back up and reconfigure the network cards.
- C. Use the rmdev command to remove the devices, shut down the partitions and move the cards, then run the cfgmgr command after reboot.
- D. Detach the network cards, run rmdev on the devices and then dynamically reassign the adapters to the partitions and reconfigure.

Answer: D

22. A customer wants to reassign a host bus adapter (HBA) from one partition to another to handle increased I/O workload on that partition. What needs to be done to dynamically move the card?

- A. Use the rmdev command to remove the card from the current partition before doing the DLPAR process.
- B. Take the source partition down and do the DLPAR function on the target partition.
- C. Assign the card to the required section of the target partition and run cfgmgr.
- D. Dynamically remove the card from the source and add to target profile then reactivate the target profile.

Answer: A

23. A resource was dynamically assigned to an LPAR. The customer wants to make the assignment permanent. What does the technical specialist need to do to reconfigure the LPARs to make the assignment permanent?

- A. Reboot the source LPAR.
- B. Remove the resource from the source LPAR.
- C. Rediscover the managed system from the HMC.
- D. Add the resource to the profile of the LPAR.

Answer: D

24. A customer is ordering a new p5-570 and planning for the option of using Capacity on Demand to activate additional resources in the future. Which of the following is a prerequisite to support the addition of CPUs or memory without an outage?

- A. Use Micro-Partitioning
- B. Configure a Virtual I/O Server
- C. Configure dynamic logical partitions
- D. Activate Advanced POWER Virtualization

Answer: C

25. Which of the following steps should be done FIRST when deploying a Virtual I/O server on a p5-550, which will host three logical partitions: a NIM server and two application servers?

- A. Create and install the NIM server

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- B. Create and install the Virtual I/O Server
 - C. Create and install the application servers
 - D. Activate Advanced POWER Virtualization

Answer: D

26. Which of the following should be done FIRST when setting up a new p5-520 to be managed by a new HMC via a private network?

- A. Change passwords in ASMI.
- B. Add the managed system to the HMC.
- C. Connect the p5-520 to a power source.
- D. Connect the HMC and the p5-520 server's HMC1 port to the same network.

Answer: D

27. When planning for a logically partitioned system, which of the following should be used as part of a review to ensure that each partition has the required resources?

- A. Use the Workload Estimator capacity planning tool.
- B. Use prtconf output from legacy systems.
- C. Use the LPAR Validation Tool.
- D. Use Performance Management Services.

Answer: C

28. A customer has a single pSeries server with two shared processor logical partitions. The first partition has peak resource requirements during weekdays. The second partition has peak resource requirements during weekends. During the peak times, the total workload between the partitions does NOT exceed the capacity of the server. However, the partitions are not able to utilize the full capacity of the system during peak times, because the necessary CPU and memory resources are not always allocated to the busiest partition. Which of the following options would best balance these resources?

- A. Configure AIX Workload Manager
- B. Configure Partition Load Manager
- C. Configure eServer Workload Manager
- D. Use DLPAR from the HMC

Answer: B

29. A customer would like to have the processor resources on their system efficiently shared between logical partitions, but does not require management of memory or I/O resources. Which of the following would accomplish this requirement?

- A. HMC command line
- B. Uncapped processors
- C. Partition Load Manager
- D. Enterprise Workload Manager

Answer: B

30. A customer has two POWER5 servers. They want the two servers' virtual Ethernets to appear on the

same IP subnet. Which of the following will connect the client virtual Ethernet adapters to the physical Ethernet switch connecting the two servers?

- A. Configure a Shared Ethernet Adapter on the Virtual I/O Server.
- B. Use the same virtual LAN ID on each LPAR.
- C. Set up IP routing through an LPAR on each system.
- D. Set up an IP firewall through an LPAR on each system.

Answer: A