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IBM System Administrator

000-062: IBM System p5 Virtualization Technical Support

Practice Exam: 000-062 Exams

Exam Number/Code: 000-062

Exam Name: IBM System p5 Virtualization Technical Support

Questions and Answers: 67 Q&As

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Exam Name: IBM System p5 Virtualization Technical Support(System Administrator)

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Exam : IBM 000-062

Title : IBM System p5 Virtualization Technical Support

1. 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

2. 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

3. 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

4. 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

5. 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

6. 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

7. 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

8. 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

9. 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

10. 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

11. 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

12. 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

13. 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

14. 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

15. 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

16. 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

17. 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

18. 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

19. 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

20. 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

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