

**Exam : IBM 000-101**

**Title : Virtualization Technical Support for AIX  
and Linux**

**Update : DEMO**

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1. Which of the following statements is true regarding implementing Live Partition Mobility on two existing POWER6 based systems?

- A. The systems must use internal storage for boot purposes.
- B. All virtualized ethernet adapters must be numbered below 10.
- C. The mobile partition's network and disk access must be virtualized.
- D. Each system must be controlled by a different Hardware Management Console (HMC).

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ANSWER: C

2. Which of the following statements is true regarding virtual Ethernet redundancy?

- A. Specifying an IP Address to ping is optional with Network Interface Backup (NIB) and is optional with Shared Ethernet Adapter (SEA) failover.
- B. Specifying an IP Address to ping is optional with Network Interface Backup (NIB) and is required with Shared Ethernet Adapter (SEA) failover.
- C. Specifying an IP Address to ping is required with Network Interface Backup (NIB) and is required with Shared Ethernet Adapter (SEA) Failover.
- D. Specifying an IP Address to ping is required with Network Interface Backup (NIB) and is optional with Shared Ethernet Adapter (SEA) failover.

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ANSWER: D

3. Which of the following can be used to re-deploy a system configuration in a disaster recovery scenario?

- A. System plan
- B. System profile
- C. Critical console data
- D. VIO server partition profile

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ANSWER: A

4. A customer has 5 older POWER5 systems and they want to consolidate them onto a POWER6 system.

What information is important to analyze when deciding how to design the new machine using the System Planning Tool?

- A. vmstat and iostat data from the older machines
- B. The number of CPUs that were installed in the original machines
- C. Data from Workload Estimator (WLE) and IBM Performance Management (PM)
- D. Performance data that is collected from the new system after it has been put into production

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ANSWER: C

5. The system administrator for a company plans to consolidate the workload of several ageing servers onto a new Power server. The administrator's intention is to virtualize all network and disk resources for each LPAR in the new system using VIOS 1.x. Which of the following is correct regarding MAC addresses and World Wide Port Names (WWPN) in a client partition?

- A. Each client LPAR will have its own MAC address and WWPN.
- B. Each client LPAR will have no unique MAC address or WWPN.
- C. Each client LPAR will have its own MAC address, but no unique WWPN.
- D. Each client LPAR will have no unique MAC address, but will have its own WWPN.

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ANSWER: C

6. An administrator has a Power 570 in default configuration with a 4 port 1 Gbps Integrated Virtual Ethernet (IVE) adapter. A new application requires that the MCS value for the first port group of the IVE adapter be set to 1.

If this change is made, what is the maximum number of logical ports, across both port groups, that the IVE adapter can provide?

- A. 4
- B. 16
- C. 20
- D. 32

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ANSWER: C

7. A company has a new Power 570. They will install 2 LPARs and 1 VIO server. All networking will be virtualized. Their application requires a large amount of bandwidth, and Link Aggregation on the VIO server will be utilized. They have 4 dual port gigabit Ethernet cards. The network infrastructure team has advised the implementation team that they are able to allocate 8 ports split between two switches, SwitchA and SwitchB.

How can Link Aggregation (LA) be configured for maximum possible bandwidth available for the LPARs?

- A. Configure 2 LA devices, each containing 2 ports from SwitchA and 2 ports from SwitchB, no backup interfaces.
- B. Configure 2 LA devices, each containing any 4 of the 8 available gigabit Ethernet interfaces and 1 backup interface.
- C. Configure 1 LA device with all 8 gigabit Ethernet interfaces split between the two switches, and no backup interface.
- D. Configure 2 LA devices, each containing 4 gigabit Ethernet interfaces connected to the same switch, no backup interfaces.

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ANSWER: D

8. Which functionality would a customer use to share available CPU resources between AIX and Linux partitions on a Power system?

- A. Dynamic LPAR
  - B. Micro Partitions
  - C. Entitled capacity
  - D. Multiple Shared Processor Pools
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ANSWER: B

9. A customer is interested in server consolidation of their AIX and POWER Linux (SLES 10) environments and sees virtualization as an important component of this.

Which of the following options provides the required virtualization and optimizes the use of the hardware?

- A. A VIO server can provide virtualization capabilities of network and disk for both AIX and Linux clients.
- B. A VIO server partition with the PowerVM Lx86 for x86 installed can provide virtualization capabilities of network and disk for both AIX and Linux clients.
- C. A VIO Server partition can provide virtualization of network and disk for AIX clients. A separate Linux partition can provide virtualization of network and disk to Linux clients.
- D. A VIO Server can provide virtualization of network and disk for AIX clients. A separate Linux partition running PowerVM Lx86 for x86 can provide virtualization capabilities of network and disk to Linux clients.

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ANSWER: A

10. A customer has a requirement to provide VLAN tagging and a highly available network infrastructure for the logical partitions. A dual VIO server environment with Shared Ethernet Adapters (SEAs) is in place.

How can the customer support these requirements?

- A. Create a SEA failover infrastructure with each having a Virtual Ethernet with a unique PVID mapping to a Virtual Ethernet on the LPAR with unique PVID.
- B. Create a SEA failover infrastructure with each having a Virtual Ethernet with the same PVID mapping to a Virtual Ethernet on the LPAR with the same PVID.
- C. Create a Network Interface Backup (NIB) infrastructure with each SEA having a Virtual Ethernet with the same PVID mapped to a Virtual Ethernet with the corresponding PVID on the LPAR.
- D. Create a Network Interface Backup (NIB) infrastructure with each SEA having a Virtual Ethernet with a different PVID. Map one to a Virtual Ethernet with the corresponding PVID on the client LPAR.

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ANSWER: B

11. Which of the following is a true statement when promiscuous mode is set on an Integrated Virtual Ethernet?

- A. The physical port can be used as part of a Shared Ethernet Adapter (SEA).
- B. All physical ports on the Host Ethernet Adapter (HEA) default to promiscuous mode.

C. Multiple logical ports can be assigned to a physical port if that logical port is in promiscuous mode.  
D. All physical ports that belong to the same port group will be set to promiscuous mode on the Host Ethernet Adapter (HEA).  
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ANSWER: A

12. The administrator would like to verify that hdisk2 has the correct reserve policy set.  
What IOS command should the administrator run?

- A. lspv -pv hdisk2
- B. lsattr -El hdisk2
- C. lsdev -dev hdisk2 -attr
- D. lspath -dev hdisk2 -attr

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ANSWER: C

13. Which of the following is a feature of Integrated Virtualization Manager (IVM)?

- A. It has a GUI interface for upgrading system firmware.
- B. It creates and manages AIX/Linux and VIOS type LPARs.
- C. It can be managed by the Hardware Management Console (HMC).
- D. It supports Live Partition Mobility on POWER6 systems and above

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ANSWER: D

14. A customer has 4 POWER6 servers managed by a Hardware Management Console (HMC). They plan to install a second HMC for redundancy.

Which of the following statements correctly describes the dual HMC environment?

- A. To provide the Service Agent function, both HMCs must have Service Agent enabled and a dedicated modem and phone line.
- B. Authorized users must have the same username and password on both HMCs, so that every user of one HMC is automatically authorized on the other.
- C. Both HMCs are automatically notified of any changes that occur in the managed systems, so results of changes made to the managed system by one HMC are visible on the other.
- D. Both HMCs must be running the same software revision. Software maintenance must be performed on both HMCs at the same time, but one HMC should be disconnected from the same private network causing an interruption to HMC functions.

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ANSWER: C

15. A customer plans to relocate a partitioned system that is currently being managed by a Hardware Management Console (HMC) and has PowerVM installed. When relocated, they plan to use Integrated Virtualization Manager (IVM).

What action is required to accomplish this objective?

- A. Use the HMC to create the new VIO server and client partitions then relocate the system.
- B. Use ASMI to reboot the system while the system is disconnected from the HMC, then load VIO software.
- C. Use ASMI to return the system to default configuration with the HMC disconnected, then load VIO software.
- D. Use the HMC to create the new VIO server associate it with the Virtual Management Channel (VMC) then relocate the system.

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ANSWER: C

16. A customer has raised a question about a recently installed LPAR.

What command would the administrator run to obtain information about the processor entitlement?

- A. lscfg -vps
- B. prtconf -c
- C. lparstat -i
- D. lsdev -C -c processor

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ANSWER: C

17. An administrator wants to ensure that their system plan documentation is still valid.

Which of the following statements is true following a Live Partition Mobility operation?

- A. The server virtual adapter does not change between the source and destination VIO Server and the virtual target device name may change during migration.
- B. The server virtual adapter slot numbers do not change between the source and destination Virtual I/O Servers and the virtual target device names do not change during migration
- C. The server virtual adapter slot numbers may be different between the source and destination Virtual I/O Servers and the virtual target device name may change during migration.
- D. The server virtual adapter slot numbers may be different between the source and destination Virtual I/O Servers and the virtual target device name do not change during migration.

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ANSWER: C

18. In order to support Live Partition Mobility (LPM) for a given LPAR between two Power servers, which type of backing device should be chosen for the storage devices presented from the VIO server to the LPAR?

- A. LUN-backed devices
- B. File-backed devices

- C.Logical volume-backed devices
  - D.Network Filesystem-backed (NFS) devices
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ANSWER: A

19. When configuring Live Partition Mobility (LPM) on two POWER6 servers with a VIO Server on each, which of the following is required?

- A.LUNs must be available to both systems and mapped on both the source and destination VIO servers.
- B.LUNs only need to be available to the source VIO server. They will automatically be assigned to the destination VIO server during migration.
- C.The primary LUNs must be available to the source VIO server and the mirrored copy of the LUNs must be available to the destination VIO server.
- D.LUNs must be available to both systems, but only need to be mapped to source VIO client partition. They will automatically be re-mapped on the destination server during migration.

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ANSWER: D

20. The Information Technology department wants to consolidate four 2-core 520 servers configured with full system partitions onto an 8-core Power 570. However, the departments using the 520 servers are concerned about quality of service after consolidation.

Which uncapped configuration would provide comparable or better performance, while still allowing the hypervisor to optimize the processing workload?

- A.2.0 processing units, 8 virtual processors per LPAR, one shared processor pool
- B.2.0 processing units, 2 virtual processors per LPAR, two shared processor pools
- C.2.0 processing units, 4 virtual processors per LPAR, four shared processor pools
- D.2.0 processing units, 2 virtual processors per LPAR, eight shared processor pools

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ANSWER: A