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Vendor:IBM

Exam Code:C4040-109

Exam Name:Virtualization Technical Support for AIX
and Linux - v2

Version:Demo

QUESTION 1

An administrator is planning to deploy multiple AIX LPARs onto a Power 770. These LPARs will be served with Virtual SCSI storage from a pair of VIO Servers (VIOS). What consideration should be considered with regard to VIOS configuration to ensure suitable performance of the virtualized storage?

- A. Allocate sufficient CPU processing capacity.
- B. Provide sufficient memory allocation.
- C. Assign each virtual disk on a unique virtual SCSI adapter.
- D. Set the hcheck_mode attribute on the vSCSI disks.

Correct Answer: A

QUESTION 2

An administrator would like to perform a Live Partition Mobility (LPM) operation between two systems. The source system has been configured with a single VIO Server (VIOS) partition and the destination system has been configured with dual VIO server partitions. What must be considered when planning for LPM?

- A. A second VIO Server partition must be configured on the source system to allow for LPM.
- B. An LPAR must be configured on the target system before the LPM operation is invoked.
- C. Device-level virtualization provided by the single VIOS of the source system must be matched by both of the dual VIOS on the target system.
- D. Access to all the disk data must be completely provided by at least one of the destination VIO Server partitions.

Correct Answer: D

QUESTION 3

An administrator is interested in installing PowerVM Lx86 software on a new Power 770 for a proof of concept. Which of the following statements about PowerVM Lx86 is true?

- A. PowerVM Lx86 can be implemented on VIO server 2.1 FP21 and higher.
- B. PowerVM Lx86 supports only 64 bit applications that run in x86 real mode.
- C. PowerVM Lx86 allows for many x86 Linux applications to run on supported versions of Linux on Power.
- D. PowerVM Lx86 allows for x86 Linux applications to run under AIX 6.1 or 7.1 Enterprise Edition.

Correct Answer: C

QUESTION 4

What is required on the Global Environment for Live Application Mobility to function?

- A. WPAR Manager
- B. WPAR Manager Agent
- C. RSCT
- D. SSH Key Manager

Correct Answer: B

QUESTION 5

Which of the following is required to support AME?

- A. AIX LPARs
- B. Virtual I/O Server
- C. A maximum of 4GB of RAM per LPAR
- D. On-demand memory feature enabled

Correct Answer: A

QUESTION 6

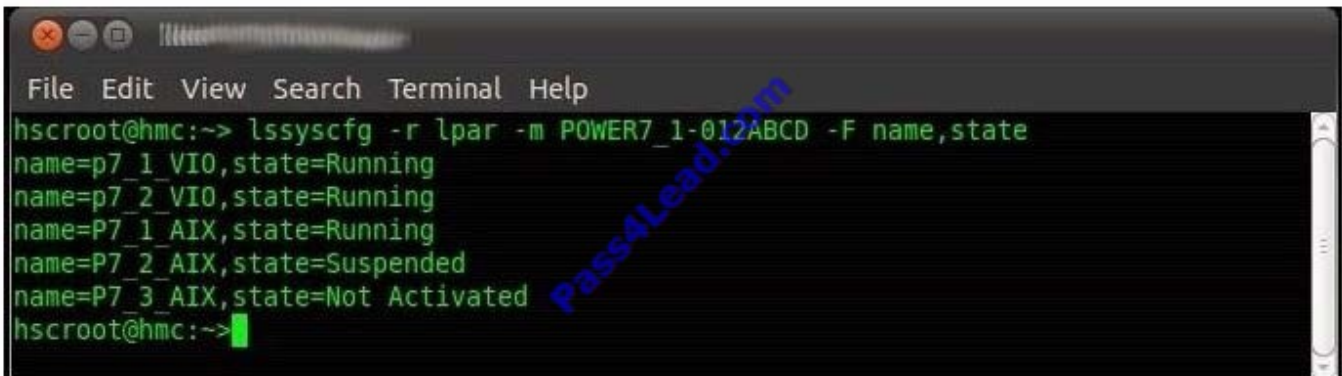
An administrator is attempting to configure a new deployment of 56 POWER7 Blades across 4 IBM BladeCenter H chassis. Each blade will be installed with an IVM and 2 LPARs. IVM is installed and the administrator checks that both LHEA ports are reporting a Link State of "Up." 2 LPARs are created and the network traffic balanced by allocating one LHEA port to the first LPAR, the second port to the other. After successfully installing the first LPAR via NIM, the administrator finds the second LPAR fails to netboot. What should the administrator verify on the BladeCenter Chassis?

- A. That 4 power supplies (PSU) have been installed.
- B. That both the external LHEA ports have been cabled.
- C. That a secondary I/O module has been installed and cabled.
- D. That the Multi-Core Scaling (MCS) attribute is correctly set on both LHEA ports.

Correct Answer: C

QUESTION 7

A VIO server administrator is configuring MPIO-based storage for a new LPAR named P7_3_AIX. The administrator runs the `lspv -free` command and sees 4 disks free. The `lsmmap -all` command confirms that the disks are free. A check of the list of LPARs shows the following:



```
hscroot@hmc:~> lssyscfg -r lpar -m POWER7_1-012ABCD -F name,state
name=p7_1_VIO,state=Running
name=p7_2_VIO,state=Running
name=P7_1_AIX,state=Running
name=P7_2_AIX,state=Suspended
name=P7_3_AIX,state=Not Activated
hscroot@hmc:~>
```

In order to avoid problems, what else should be verified before mapping storage to the new LPAR?

- A. If the free disks are allocated to P7_2_AIX
- B. That the free disks are MPIO capable
- C. If the free disks are allocated to P7_3_AIX
- D. That the free disks are allocated to a shared storage pool

Correct Answer: D

QUESTION 8

A customer is in the process of configuring a redundant pair of VIO Servers. They need to test that SEA failover has been correctly enabled. Which command can the padmin UserID use (on the active SEA, ent4) to manually force an SEA failover event?

- A. chdev ent4 -attr ha_mode=True
- B. chdev -l ent4 -attr ha_mode=failed
- C. chdev -d ent4 -attr ha_mode=Active
- D. chdev -dev ent4 -attr ha_mode=standby

Correct Answer: D

QUESTION 9

A company has a VIO server supporting several infrastructure LPARs, including a NIM server, several NFS servers, and a document management server. Network connectivity is provided from the VIO server through the 1Gb IVE.

The NIM clients frequently receive "NFS Server not responding" errors during installations due to the volume of traffic to the server.

When planning an upgrade to POWER7 hardware, which action will minimize these errors?

- A. Share the IVE directly to the LPARs.

- B. Implement Jumbo Frames on the 1Gb IVE adapters.
- C. Implement a 10Gb network infrastructure.
- D. Assign dedicated 1Gb adapters to each LPAR.

Correct Answer: C

QUESTION 10

An architect is planning to configure a Power 750 server with redundant VIO Servers and multiple client LPARs. What tool can be used to plan and design the IVE setup for the LPARs?

- A. IBM System Director
- B. Advanced System Management Interface
- C. Integrated Visualization Manager
- D. System Planning Tool

Correct Answer: D

QUESTION 11

An AIX LPAR has a disk drive known as hdisk17. The administrator would like to change the name of the disk to redolog0. Which command will achieve this?

- A. `rendev -l hdisk17 -n redolog0`
- B. `mv /dev/hdisk17 /dev/redolog0`
- C. `chdsk -dev hdisk17 -id redolog0`
- D. `chdev -l hdisk17 -a name=redolog0`

Correct Answer: A

QUESTION 12

An administrator is using a Power Systems server with a Virtual IO server to host a large number of short-lived development LPARs. All disks are presented using virtual Fibre Channel adapters with NPIV enabled. When trying to create a new

LPAR, the following error message is displayed:

HSCLA4C5: There are no WWPNs remaining for this managed system that can be assigned to a virtual Fibre Channel adapter.

Which action will resolve the error?

- A. Upgrade the server to PowerVM Enterprise Edition.

B. Change the WWPN prefix configured in the Virtual I/O Server.

C. Reuse the WWPNs of decommissioned LPARs.

D. Use Capacity On Demand to generate an activation code that provides more WWPNs.

Correct Answer: D

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