



# C4040-109<sup>Q&As</sup>

Virtualization Technical Support for AIX and Linux - v2

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**QUESTION 1**

When installing a Linux LPAR from an AIX NIM server, what steps are required?

- A. Add LPAR details to /etc/bootptab Copy DVD to a local directory and add directory to /etc/exports Copy network boot kernel to /etc/tftpboot Boot into SMS and configure remote IPL settings
- B. Configure LPAR as a NIM client Copy DVD to local directory Configure Linux SPOT Boot into SMS and configure remote IPL settings
- C. Add LPAR details to /etc/tftp/other/kernel.conf Copy DVD to local directory and add to /etc/exports network boot kernel to /tftpboot/kernels Copy Boot into SMS and configure remote IPL settings
- D. Copy DVD to local directory and export via /etc/exports Copy network boot kernel to /etc/tftpboot Define LPAR as a NIM client and initiate a bosinstall Boot into SMS and configure remote IPL settings

Correct Answer: A

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**QUESTION 2**

A company needs to implement a virtual environment on a Power 770 server using a Virtual I/O Server and a large number of clients. What network solution can be implemented on the Virtual I/O Server to maximize bandwidth for the clients?

- A. Link Aggregation
- B. Network Interface Backup
- C. Shared Ethernet Adapter failover
- D. VLAN mapping

Correct Answer: A

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**QUESTION 3**

A POWER7 system has been recently installed and 4 uncapped shared processor LPARs have been defined.

```
Name - CPU - Min/Des/Max
PROD1      1   2  4
PROD2      1   2  4
DEV1       0.5 1  2
DEV2       0.5 1  2
```

The use of Multiple Shared Processor Pools has been decided upon for licensing and performance reasons.



The pools are as follows:

Name	Max proc. units/reserved
Production	5 1
Development	3 1

When adding PROD1 to the Production pool via the command line, the following error is given "This operation is not allowed because the partition is using dedicated processors"

- A. POWER6 mode is enabled
- B. LPAR has not been powered on
- C. LPAR has been powered on
- D. The Pool has insufficient processor units

Correct Answer: B

#### QUESTION 4

An administrator has a Power 720 with 64GB of memory and Active Memory Expansion (AME).

An LPAR has only 10GB of memory available and an application has been sized at 15GB of memory. The administrator runs amepat to determine an efficient expansion factor. Based on the output, an expansion factor of 1.6 has been chosen.

How should this be configured in the LPAR?

- A. Enter 16GB as `\\desired\\`, enter 1.6 in the Active memory expansion factor field.
- B. Enter 10GB as `\\desired\\`, enter 1.6 in the Active memory expansion factor field.
- C. Enter 10GB as `\\desired\\` and modify/etc/ame.conf with `AME_RATIO=1.6`.
- D. Enter 16GB as `\\desired\\` and modify/etc/ame.conf with `AME_RATIO=1.6`.

Correct Answer: B

#### QUESTION 5

An architect is planning to use an existing NIM server to back up and restore VIO server partitions. In addition to the backup of the VIO Server (VIOS), what is needed to successfully complete a restore operation?

- A. A backup of the profile data from the VIOS partition.
- B. A valid LPP Source on the NIM partition and an extracted SPOT from the VIOS backup.
- C. A copy of the volume group structures and a list of device mappings from the VIOS partition.
- D. A copy of the VIOS bosinst. data from the VIOS partition.



Correct Answer: C

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#### QUESTION 6

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

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#### QUESTION 7

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

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#### QUESTION 8

A customer has a VIO server which runs on internal disks. It can not support an outage during normal business hours. Which action can the administrator take that will support this requirement AND improve overall system availability?

- A. Use the -P flag when setting disk quorum.
- B. Use the -D flag when creating a backup device.
- C. Use the -defer option when mirroring the rootvg.
- D. Use the -immed option when creating a hot spare disk.

Correct Answer: C

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### QUESTION 9

When trying to suspend an LPAR, the process fails during the validation stage. Which of the following must also be correctly configured in order for this process to successfully complete?

- A. Reserved Storage Device Pool
- B. Dual VIO servers
- C. PowerVM Express Edition
- D. N\_Port ID Virtualization

Correct Answer: A

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### QUESTION 10

An administrator has a hardware environment including POWER5, POWER6 and POWER7 architectures. A requirement exists to improve availability across all platforms without additional costs. What technology should be considered?

- A. Live Application Mobility
- B. Live Partition Mobility
- C. Multiple Shared Storage Pools
- D. Resource Monitoring and Control

Correct Answer: A

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### QUESTION 11

Following the reboot of one VIO server (VIOS) in a redundant configuration, a client is showing failed disk paths on some channels. What is the most likely reason the disk paths have failed?

- A. MPIO drivers have not been installed on the client.
- B. VIOS Fibre Channel adapters have created a private loop as the attribute `init_link` has not been set.
- C. vSCSI and disk attributes `vscsi_err_recov`, `vscsi_path_to` and `hcheck_interval` have not been configured.
- D. Disk attributes on VIOS for the reserve policy on the disk is not set to `no_reserve`.

Correct Answer: C

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### QUESTION 12

An administrator would like to determine the virtualization capabilities of some attached storage before proposing a new virtualization strategy. To determine the capabilities of the attached storage, the administrator runs `chkdev` and receives the following result:



```
padmin:vio1:/home/padmin>chkdev -dev hdisk1 NAME: hdisk1 IDENTIFIER:  
38213600507680171007248000000000791F04214503IBMfcp PHYS2VIRT_CAPABLE: NA
```

VIRT2NPIV\_CAPABLE: YES VIRT2PHYS\_CAPABLE: YES Based on the output above, which one of the statements is true?

- A. The disk can be presented by NPIV only.
- B. The disk can be converted to NPIV with data loss.
- C. The disk can only be presented as a physical disk.
- D. The disk is presented by vSCSI and is NPIV capable.

Correct Answer: D

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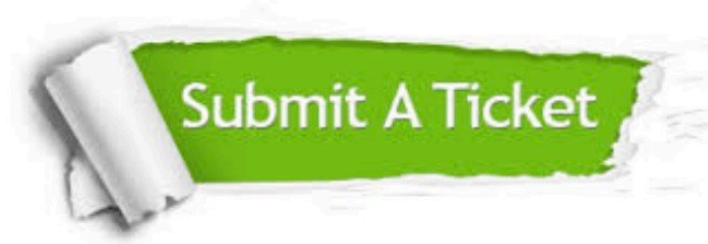
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