

**Exam: 000-109**

**Title: Virtualization Technical Support for  
AIX and Linux V2**

**Update: DEMO**

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1. 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.

Answer: C

2. An administrator has a requirement to back up a VIO server (VIOS) so that it can be rebuilt in the event of a disaster. Which set of actions will achieve this requirement?

- A. Backup all non rootvg volume groups using savevg. Backup all Storage Pool Information. Run a

mksysb of the system.

B. Save "Upgrade Data" on the HMC. Backup all non rootvg volume groups using savevg.

Run a mksysb of the VIOS with the -U flag.

C. Backup non rootvg structures using savevgstruct. Capture virtual mappings to a file using viosbr. Run a

backupios

D. Capture the virtual network tuning to a file using the optimizenet command. Capture all

virtual device attributes to a file using the lsattr command. Run a backupios.

Answer: C

3. An administrator must remove any installed efixes before attempting to install a new VIO Fix Pack.

Which VIO command will advise if any VIO efixes are actually present?

A. lspp

B. emgr

C. lssw

D. oem\_platform\_level

Answer: C

4. Requirements for a disaster recovery site are being collected. When considering restoring a VIO Server

mksysb to disaster recovery hardware, what is required to ensure automatic virtual

device recreation?

- A. LPAR profiles must be accurately recreated on the foreign machine
- B. Backups of both mkysyb and user-defined structures are required from the VIO Server
- C. The foreign machine must be of the same model and type
- D. Configuration of the existing HMC needs to be preserved

Answer: A

5. When attempting to install a VIO client using NIM, an administrator finds that no disks are available for installation. The disks are provided by NPIV through the virtual Fibre Channel adapter as described here:

```

Name          Physloc          ClntID ClntName      ClntOS
-----
vfchost3     U9117.MMB.104200P-V2-C35          11 VIOclient    AIX

Status:LOGGED_IN
FC name:fcs1          FC loc code:U78C0.001.DBJ8223-P2-C2-T2
Ports logged in:3
Flags:a<LOGGED_IN,STRIP_MERGE>
VFC client name:fcs1      VFC client DRC:U9117.MMB.104200P-V11-C35-T1
  
```

Which of the following explains why is the administrator unable to see the disks?

- A. The virtual fibre channel device has not been assigned to the client.
- B. The HBA on the VIO server is not connected to the SAN.
- C. The fibre device drivers are missing from the SPOT.
- D. The LUNs have been incorrectly zoned.

Answer: D

6. 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

Answer: A

7. What tool can an architect use to determine which is the smallest POWER7 server that will provide equal or better overall performance than a POWER5 570?

- A. Facts and Features Guide
- B. LPAR Validation Tool
- C. Configurator for eBusiness
- D. Server Magic

Answer: A

8. A Power 720 is being used to build 2 environments: Test and Production, with 2 LPARs in each environment. Processor resources must be separated between the Test and Production environments to reduce possible contention, while still being able to share processor resources inside each own environment. What are the two features required, as a minimum, to accomplish this? (Select 2)

- A. IVM
- B. HMC
- C. PowerVM Express
- D. PowerVM Standard
- E. IVE
- F. IBM Systems Director

Answer: B, D

9. An administrator has the following configuration on a VIO Server:

ent0 and ent1 are Physical ports made into an EtherChannel ent3  
ent2 is a virtual device  
ent4 is a SEA mapping virtual device ent2 to ent3

The administrator runs the `entstat -d ent3` command to analyze EtherChannel statistics and receives this error:

```
entstat: 0909-003 Unable to connect to device ent3, errno = 19
```

Why is this error being displayed?

- A. ent3 is configured as 'standard' instead of '802.3ad'
- B. ent3 is a LHEA port and requires the -L flag
- C. ent3 has no interface connected
- D. ent3 is controlled by the SEA

Answer: D

10. The `wlmstat -@ 2` command has been run from a global environment with the following results:

```

login
wparmaster:/> wlmstat -@ 2
  CLASS   CPU    MEM   DKIO
server1  23.84   7.47  2.07
server2  43.88   7.44  1.35
  TOTAL   67.72  14.91  3.42
wparmaster:/>
  
```

What action can an administrator take to set limits, so that both server1 and server2 use the same amount of CPU resources?

- A. Use the `cpu_deallocate -P` command to reduce the CPU resources on server2
- B. Use the `chsysres` command to assign the same CPU attributes to both servers.
- C. Use the `chwpar -R` command to set the CPU attributes for each server.
- D. Use the `syncwpar -E` command to copy the CPU resource allocation from server1 to server2.

Answer:C