

# A4040-221<sup>Q&As</sup>

Assessment: AIX 7 Administration

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**QUESTION 1**

Which is a benefit of dynamic tracking of Fibre Channel devices?

- A. I/O failures are prevented with Fibre Channel tape devices.
- B. SAN changes are automatically detected.
- C. SAN disk arrays are created with a common set of disk attributes.
- D. NPIV support is added for all AIX Fibre Channel adapters.

Correct Answer: B

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**QUESTION 2**

Which level of information does the mpstat command provide when run inside an LPAR?

- A. The simultaneous multi-threading LPAR profile setting.
- B. Overall managed system logical processors utilization.
- C. Performance statistics for all logical processors inside the LPAR.
- D. Number of online physical processors in the pool where the LPAR resides.

Correct Answer: C

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**QUESTION 3**

A system with multiple applications is experiencing bursts of activity. This drives the free pages list very low, resulting in increased wait times for applications.

Given the vmstat output below, what can be done to increase the number of free pages to compensate for these bursts of activity?

```
db2serv:/ # vmstat -v
 33554432 memory pages
 32552800 lruable pages
   106 free pages
    4 memory pools
 2507104 pinned pages
  90.0 maxpin percentage
   3.0 minperm percentage
  95.0 maxperm percentage
  10.8 numperm percentage
 3520502 file pages
   0.0 compressed percentage
   0 compressed pages
  10.7 numclient percentage
  95.0 maxclient percentage
 3512039 client pages
   0 remote pageouts scheduled
  18 pending disk I/Os blocked with no pbuf
   0 paging space I/Os blocked with no psbuf
 2007 filesystem I/Os blocked with no fsbuf
  59 client filesystem I/Os blocked with no fsbuf
   0 external pager filesystem I/Os blocked with no fsbuf
  8.0 percentage of memory used for computational pages
```

- A. Increase the maxpin tunable.
- B. Increase the page space size.
- C. Increase the lru\_file\_repage setting.
- D. Increase the minfree and maxfree tunables

Correct Answer: D

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#### QUESTION 4

An administrator has used setsecattr to associate authorizations with an AIX command. The appropriate stanza has been added to the privileged commands database (/etc/security/privcmds). What must be done before the new authorization can be used?

- A. Run the setkst command to update the kernel security tables.
- B. Assign a new role that the authorization can be associated with and reboot.
- C. Activate the change in the security database with the updateauths command.
- D. Run the refreshsrc -g RBAC command to make the changes effective.

Correct Answer: A

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#### QUESTION 5

Paging space on a system is almost entirely consumed. What temporary solution can be used to prevent the system from sending SIGKILL to processes while the administrator performs more in-depth problem determination?

- A. Use swapon to flush paging space entries to physical memory.
- B. Use tuning commands to change the system behavior so it does not terminate processes
- C. Increase the existing paging space.
- D. Use tuning commands to set the page space kill threshold to 100%.

Correct Answer: C

### QUESTION 6

After successfully mirroring rootvg using the mirrorvg command, why must the bosboot command be run against the introduced disk?

- A. To update the boot list held in NVRAM
- B. To record from which disk the system will boot
- C. To customize the bootrec of the newly mirrored drive
- D. To synchronize the boot record between the mirrored drives

Correct Answer: C

### QUESTION 7

A system that will be re-installed has the following characteristics:

```
$ lspv
hdisk0          00c9d4cf1c892c4c
hdisk1          0006bf1c3d81743b
hdisk2          0006bf1c3d817913
hdisk3          0006bf1c3e20e9f5

rootvg
None
None
None
```

If the following target\_disk\_data stanza is defined in the bosinst.data file used for the install, which disk will be installed with the operating system? target\_disk\_data: LOCATION = 0006bf1c3d817913 SIZE\_MB = HDISKNAME = hdisk1

- A. hdisk0
- B. hdisk1
- C. hdisk2
- D. hdisk3

Correct Answer: C

**QUESTION 8**

Which command will display the time and date of the last boot?

- A. who-b
- B. last-b
- C. boot-b
- D. time-x

Correct Answer: A

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**QUESTION 9**

Which command will show all the logical volumes, filesystem mount points, and the volume group in which they reside?

- A. lslv-al
- B. mount-v
- C. df-vAg
- D. lsvg | lsvg -il

Correct Answer: D

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**QUESTION 10**

AIX has been installed on an LPAR with 32 GB of memory. What should be checked first, before increasing the paging space beyond the default 512MB?

- A. The maximum memory attribute in the LPAR profile.
- B. Quantity and size of hosted filesystems.
- C. Disk device distribution and utilization.
- D. Paging requirements of applications that will be hosted.

Correct Answer: D

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**QUESTION 11**

New change control procedures dictate that system maintenance windows be shown to each user after logging into the system using ssh or telnet. Updating which file or files will accomplish this task?

- A. The message of the day file

- B. The user default attributes file
- C. User and admin system alert files
- D. The var daily message files

Correct Answer: A

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#### QUESTION 12

An existing client LPAR has been manually moved from one physical machine to another. The administrator updated the SAN zoning to deallocate from the source VIO Server and allocate to the destination VIO Server. The LPAR and its profile were recreated on the HMC and the single disk is mapped from the VIO Server to the LPAR. What manual intervention is required after activating the LPAR?

- A. Select a boot device.
- B. Correct the system clock.
- C. Correct the terminal type.
- D. Import non-root volume groups

Correct Answer: A

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#### QUESTION 13

A POWER5 520 system is being cloned onto a Power 780. The source system is on internal disks, and the vg01 volume group is mirrored. After installing AIX, which sequence of actions will recreate the vg01 volume group and restore data on the new system?

- A. Have all the applications shut down. Create a backup of each filesystem to an NFS mount using the backup command. Restore the filesystem backups with the restorevgfiles command.
- B. Create a backup onto an NFS server using the mksysb command and referencing the correct data volume group. Restore the backup of vg01 with the smit fast path smit restmksysb.
- C. Have all applications shut down. Use the savevg command to create a backup of the data volume group to an NFS mount. Restore the savevg on the clone system with the restvg command.
- D. Shut down all application running from the data volume group. Run the cpio command to write the file to a local NFS server. Restore command with the backup to recreate vg01.

Correct Answer: C

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#### QUESTION 14

What is the purpose of the virtual media repository on the VIO Server?

- A. To store resources for use by the NIM server

- B. To store backups of the VIO Server
- C. To store images for use by VIO Clients
- D. To store images for use by VIO Servers

Correct Answer: C

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**QUESTION 15**

How can administrators ensure that the Integrated Virtual Ethernet (IVE) adapters in their servers have the latest available firmware?

- A. By upgrading the given IBM Power Systems server to the latest available system firmware.
- B. By using inventory scout to query the installed firmware level against the available level.
- C. By using either the managing HMC, SDMC or IVM to query and update the adapter firmware.
- D. By using the lsmcode AIX command with the query flag.

Correct Answer: A

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