

**Exam : IBM 000-222**

**Title :** P5 and pSeries Administration and  
Support for AIX 5L V5.3

**Update :** Demo

---

1. A system administrator needs to quickly migrate a machine from AIX 5.2 to AIX 5.3. The administrator will only be allowed enough downtime to reboot the machine. Which installation method would accomplish this task?

- A. Perform a migration installation during the reboot process.
- B. Perform an alternate disk installation and migration using NIM.
- C. Copy the /usr directory from another 5.2 server to this server.
- D. Perform an update\_all install from 5.2 media to take effect on reboot.

Answer: B

2. A system administrator has filesystems that should not be mounted during system startup. How can the system administrator prevent the /data filesystem from being mounted during subsequent boots?

- A. mount -no /data
- B. chfs -A no /data
- C. mount -n /data
- D. chfs -a type=nfs /data

Answer: B

3. An administrator is logged into a remote server using an Xwindows client and wants to use smit. The bandwidth for the remote connection is minimal, so the administrator would like to disable the graphical version of smit to speed up display updates. Which of the following commands will start smit in the non-graphical mode?

- A. smit
- B. msmit
- C. smit -C
- D. smit\_tty

Answer: C

4. Because of performance problems, space needs to be added to a paging space named paging01 on hdisk1. The physical partition size of hdisk1 is 4MB. Which command will increase the size of paging01 by 100MB?

- A. swapon -a paging01 25
- B. mkps -a 25 paging01
- C. extendlv -a paging01 25
- D. chps -s 25 paging01

Answer: D

5. A system administrator has been asked to migrate the dev\_vg volume group from server A to server B. The dev\_vg volume group contains a single filesystem named "/development". To prepare for migration, which of the following is the correct sequence of commands for removing the volume group from server A?

- A. exportvg dev\_vg; umount /development; varyoffvg dev\_vg
- B. varyoffvg dev\_vg; umount /development; exportvg dev\_vg
- C. umount /development; exportvg dev\_vg; varyoffvg dev\_vg
- D. umount /development; varyoffvg dev\_vg; exportvg dev\_vg

---

Answer: D

6. Which of the following attributes of a logical volume can NOT be changed after it is created?

- A. The placement of the logical volume
- B. The stripe size of the logical volume
- C. The upper bound of the logical volume
- D. The intra-policy of the logical volume

Answer: B

7. A system administrator was asked to log information on possible security breaches on a server. To which file should additional entries be added to capture this information?

- A. /var/adm/sulog
- B. /etc/syslog.conf
- C. /etc/security/sysck.cfg
- D. /etc/security/login.cfg

Answer: B

8. Which of the following commands can be used to get the system ready to physically insert a PCI hot plug adapter?

- A. mkdev
- B. cfmgr
- C. drslot
- D. lsslot

Answer: C

9. A company uses raw logical volumes. Which of the following commands can be used to back up the data in the raw logical volumes to a tape?

- A. dd
- B. Tar
- C. cpio
- D. pax

Answer: A

10. A system administrator has a server that is performing poorly. The vmstat command identifies that high CPU usage is the problem. Which of the following commands can be used to identify the eight most active processes running on the server?

- A. ps -ef -t 8
- B. sar -u -p 8
- C. vmstat -t 8
- D. topas -p8 -n0 -d0

Answer: D

11. Sometimes performance is more important than availability (e.g., in cases where the data can be easily re-created). Which of the following is the appropriate disk configuration for an application that requires

---

faster writes over availability?

- A. RAID-1
- B. RAID-5
- C. RAID-0 + 1
- D. RAID-0

Answer: D

12. system administrator is considering enabling the 64-bit kernel but first must determine if the system hardware will support 64-bit. How would the system administrator accomplish this in AIX 5L?

- A. prtconf -c
- B. lscfg -v sys0
- C. Check the /unix link
- D. Check for JFS2 filesystems

Answer: A

13. How should a system administrator turn on Dynamic Processor Deallocation?

- A. Use the diag menu to set dynamic deallocation to 'on'.
- B. Use the chdev command to enable the 'cpuguard' attribute of sys0.
- C. Use the cfgmgr command to change the 'monitor' attribute of proc0.
- D. Use the smitty command with the fast path dynamic\_processor\_deallocation to turn it on.

Answer: B

14. A system has a critical need for network services on a small network with a limited number of hosts. System overhead is not a concern. Which of the following options would the system administrator perform to help ensure connectivity in the event of a gateway failure?

- A. Use the ifconfig command to enable dead gate detection.
- B. Use the chdev command to set active dead gateway detection.
- C. Use the route command to set active dead gateway detection.
- D. Add the line active\_dgd=1 to the /etc/gated.conf command and refresh the gated daemon.

Answer: C

15. A system has five 80GB disk drives and has a requirement to store 300GB of data. Which disk configuration will provide fault tolerance while still meeting data storage requirements?

- A. Just a Bunch of Disks (JBOD)
- B. RAID-5
- C. RAID-0
- D. RAID-1

Answer: B

16. Which disk configuration provides the fastest write performance with fault tolerance?

- A. RAID-0
- B. RAID-3
- C. RAID-5

---

D. RAID 1+0

Answer: D

17. Prior to implementing an LPAR system, which of the following options needs to be performed?

- A. All PCI slots must be made active.
- B. Cluster System Management (CSM) software must be installed.
- C. The LPAR system must have a Hardware Management Console (HMC) connected.
- D. Each LPAR must be configured with a CDROM for operating system installation. Answer: C

18. Total memory available to all LPARS is 128 GB with 64 GB unallocated. Which of the following options assigns memory (8 GB) from LPAR1 to LPAR2 in a DLPAR environment?

- A. Select LPAR1 and move the 8 GB into LPAR2. Reboot required on LPAR1.
- B. Select memory from unallocated available memory. Reboot required on LPAR2.
- C. Select LPAR1 and move the 8 GB into LPAR2. Reboot not required.
- D. Select LPAR1 and move the 8 GB into LPAR1. Reboot required on both LPARS. Answer: C

19. An AIX LPAR capable server has AIX versions 5.1 and 5.2 installed. Which of the following options reflects available features?

- A. Dynamic allocation of a CPU is available in versions 5.1 and later of AIX.
- B. Memory and CPU dynamic allocation is available in versions 5.2 and later of AIX.
- C. AIX version 5.1 and later support DLPAR features and hot swapping of PCI slots.
- D. Only Memory and CPUs can be dynamically allocated and require version 5.2 or later of AIX.

Answer: B

20. An AIX system has four LPARS configured with similar environments and applications. What happens to the other LPARS when one of the LPARS runs out of memory and that LPAR starts paging heavily due to a poor paging configuration?

- A. The other three LPARS will experience the same problem because they all share a common memory pool.
- B. The hypervisor will shutdown the offending LPAR and dynamically reallocate the memory to the other LPARS.
- C. The other LPARS will be unaffected by the offending LPAR due to LPAR isolation.
- D. There will be a moderate slowdown on the remaining LPARS due to hypervisor overload during the time the offending LPAR is having paging problems.

Answer: C

21. In order to upgrade from AIX Version 5.1 to AIX Version 5.3, which of the following actions should be performed?

- A. Run `smit update_all`
- B. Run `smit install_all`
- C. Boot from the installation media
- D. Run `update_all` from the mounted CD

Answer: C

---

22. A system administrator is doing an AIX 5L New and Complete Overwrite installation on a system with a 64-bit processor using the default settings. Which of the following options will be the resulting installed environment?

- A. Only the 32-bit kernel will be installed and enabled
- B. Only the 64-bit kernel will be installed and enabled
- C. Both the 32-bit and 64-bit kernel will be installed and the 32-bit kernel will be enabled
- D. Both the 32-bit and 64-bit kernel will be installed and the 64-bit kernel will be enabled

Answer: C

23. To load the base operating system on a machine using NIM, what are the minimum NIM resources that must be defined for the installation to succeed?

- A. A mksysb resource, a SPOT resource, and an lpp\_source resource
- B. A SPOT resource, an lpp\_source resource, and a machine definition
- C. An lpp\_source resource, a mksysb resource, and a machine definition
- D. A SPOT resource, an lpp\_source resource, a machine definition, and a bootable CD

Answer: B

24. While attempting to load a base operating system to a machine, an administrator is receiving bootp timeout error messages. What steps should be followed to troubleshoot communications between the NIM master and the client machine?

- A. View debug logs on NIM master for errors or failures.
- B. Boot the client machine to SMS, and view the POST Error log.
- C. Boot the client machine to SMS, setup remote IPL, and execute a ping test.
- D. Boot the client machine to diagnostics, and ping the client from the NIM master.

Answer: C

25. A system administrator completed installation of an AIX Maintenance Level on their server. Which of the following commands would verify that the operating system is in a consistent state?

- A. instfix -i
- B. lspp -l
- C. lppchk -v
- D. oslevel -r

Answer: C

26. A system administrator suspects that there were problems with the AIX installation on an AIX server. Which of the following commands can be used, with the appropriate flags, to view the BOS installation output files?

- A. alog
- B. errpt
- C. lscfg
- D. install

Answer: A

---

27. A system administrator will be migrating a server from AIX 5.2 to AIX 5.3 and is uncertain if the application running on the server will function properly after the migration. What is the fastest way to return to the previous AIX level if the application does not work?

- A. Use base media to restore system to AIX 5.2.
- B. Use an `alt_disk_install` and boot back to the AIX 5.2 rootvg.
- C. Make a `mksysb` of the original AIX to restore back to the AIX 5.2 level.
- D. Perform the AIX 5.3 upgrade using `update_all` with the `commit` option and `rejectfilesets` to return to AIX 5.2.

Answer: B

28. A system administrator has a `mksysb` of an AIX 5.3 machine and needs to install it on a different server. How can this be accomplished?

- A. Install the base AIX from 5.3 media and then install the `mksysb` over it.
- B. Mount the tape and use the `tar` command to install AIX and the rest of the contents of the rootvg.
- C. Insert the `mksysb` tape and a 5.3 base media CD and then boot to maintenance mode and initiate the install.
- D. Install AIX 5.3 from base media and then perform an `update_all install` from the `mksysb` tape of the original machine.

Answer: C

29. A system administrator will use `amksysb` from a uniprocessor server running AIX 5.1 to install a multiprocessor chrp server. What else is required?

- A. A 5.1 AIX base media set
- B. An AIX 5.1.x Additional Device Software CD
- C. `Amksysb` of the multiprocessor chrp server
- D. A `savevg` of the uniprocessor server

Answer: A

30. A production system needs to be upgraded from AIX V5.2 to AIX V5.3. All logs and users need to be saved. Which installation method will accomplish the upgrade?

- A. Update Installation
- B. Migration Installation
- C. Preservation Installation
- D. Mirror rootvg prior to a Preservation Installation

Answer: B