



1. An administrator is learning to use SMIT. The administrator wants to bypass the main menu and go directly into a submenu. How can the administrator display the SMIT fast path for the submenu?

- A. Click on the SMIT fastpath menu on the HMC.
- B. Check the SMIT main page for a list of fast path entries.
- C. Go to the submenu and select the [F8] key to show the fast path.
- D. Go to the submenu and select the [F10] key to go to the shell to check the shell history.

2. Which AIX command produced the output below?

```
ent0    adapter    UTMP0.02F.00009EF-P1-C2-T1
ent1    adapter    UTMP0.02F.00009EF-P1-C2-T2
vsa0    adapter    U9111.520.10009EF-V7-C0
vscsi0  adapter    U9111.520.10009EF-V7-C11
vscsi1  adapter    U9111.520.10009EF-V7-C21
```

- A. `lsslot -C device`
- B. `lsdev -C -F "name class physloc"`
- C. `diag -C -F "name class location"`
- D. `prtconf -P -F "name type physloc"`

3. Which two commands can the AIX administrator run to make the newly connected hard disk ready for use?

- A. `cfgdev`
- B. `cfgmgr`
- C. `mkcfg`
- D. `mkdev`
- E. `mkpv`

4. Which is a true statement regarding a disk in the Defined state?

- A. The disk is operational and ready for use.
- B. To make this disk available, it should be included in the volume group first.
- C. Information about this disk is recorded in the customized database, but it is not ready to use.
- D. This disk type is supported, but there is no information about the disk in the customized database.

5. Which command should an AIX administrator use to determine the ent0 MAC address?

- A. `lsdev -l ent0`
- B. `lscfg -vl ent0`
- C. `lsslot |grep ent0`
- D. `lsattr -El /dev/ent0`

6. Which command collects and stores on disk all of the system configuration?

- A. `snap -a`
- B. `lsconfig -dc`
- C. `prtconf -m`
- D. `lparstat -ac`

7. A client needs to display the number of virtual processors and entitled capacity on the partition, which command will provide this information?

- A. `prtconf -p`
- B. `lparstat -i`
- C. `smtctl -m limit`
- D. `lsdev -Cc processor`

8. What is the System Resource Controller (SRC)?

- A. A master kernel subsystem to replace other kernel subsystems.
- B. A standardized set of tools to monitor common critical alerts.

- C. An optional software package to replace the old AIX init process.
- D. A common interface to support starting, stopping, and sending requests to a subsystem.

9. Which installation option should the administrator use to provide the ability to quickly uninstall the fileset update?

- A. `installp` Apply option
- B. `installp` Preview option
- C. `installp` Clean Up option
- D. only possible for interim fixes

10. When registering an AIX system as a client of a NIM master using the `niminit` command, the option `-a connect=value` specifies the communication method that should be used by the NIM master to initiate operations on the client.

Which two values are supported for the `connect` attribute?

- A. `nimsh`
- B. `ssh`
- C. `ksh`
- D. `rest`
- E. `shell`

11. What is true about logical volumes with copies set to be strict?

- A. Parts of each mirror copy could reside on the same disk.
- B. Physical partitions in each copy must be mapped in numerical order.
- C. Logical volume strictness can be applied to each logical partition separately.
- D. Every partition in a mirror copy must reside on a different set of disks from every other mirror copy.

12. A mirrored `datavg` volume group consisting of two disks varied off, after one of the disks failed. The system displays a message about a missing or unavailable disk. Because of this the administrator is not able to vary on `datavg`.

Which command allows the administrator to recover access to the volume group?

- A. `synclvodm`
- B. `chvg -mq`
- C. `recovervg`
- D. `varyonvg -f`

13. Based on the following output, which command should an AIX administrator run to move only the *data1lv* to *hdisk2*?

```
# lsvg -p datavg
datavg:
PV_NAME          PV STATE          TOTAL PPs   FREE PPs
FREE DISTRIBUTION
hdisk1           active            799         559
00..80..159..160..160
hdisk2           active            799         799
160..160..159..160..160
# lsvg -l datavg
datavg:
LV NAME          TYPE             LPs         PPs         PVs         LV
STATE           MOUNT POINT
data1lv          jfs2             80          80          1
open/syncd      /data1
data2lv          jfs2             160         160         1
open/syncd      /data2
```

- A. `migratelv -l data1lv hdisk1 hdisk2`
- B. `migratepv -l data1lv hdisk1 hdisk2`
- C. `migratevg -l data1lv hdisk1 hdisk2`
- D. `replacepv -l data1lv hdisk1 hdisk2`

14. Which statement is valid about logical volumes in AIX V7.2?

- A. A single logical volume may be located on more than one physical volume.
- B. A single logical volume may be located on more than one volume

group.

C. A single logical volume may consist of logical partitions with different sizes.

D. A single logical volume may consist of physical partitions with different sizes.

15. A JFS2 file system uses a log device that was accidentally deleted. How can the files in the file system be accessed?

A. Mount the file system read-only.

B. Recreate the log device in memory.

C. Add an in-line log to the file system.

D. Refresh the file system superblock.

16. A SAN administrator cloned a LUN device (hdisk) connected to an AIX system. In order to avoid misleading configurations in ODM, what is the correct action to be performed on the cloned hdisk?

A. Remove the PVID from the ODM.

B. Clear the PVID on the physical volume.

C. Change the UUID on the underlying hdisk.

D. Remove the hdisk definition and rerun `cfgmgr`.

17. A user tries to login to an AIX server and receives the error message:

```
$ ssh user@172.16.200.11
ssh: connect to host 172.16.200.11 port 22: Connection refused
```

Based on the output above, what is the most probable cause of the problem?

A. The target AIX server is down.

B. The user does not exist on the target AIX server.

C. SSH service is not started on the target AIX server.

D. The user does not have the rights to remote login to the target AIX server.

18. An AIX user has an unstable network connection. Suddenly, the SSH session to AIX is unresponsive.

What is the fastest way to close the unresponsive SSH connection?

- A. Press Ctrl-a then d.
- B. Press ~ followed by .
- C. Open another session and issue the `kill` command.
- D. Wait till the session unfreezes and logout from the server.

19. A security audit needs to confirm that there are no duplicate UIDs on an AIX system. The system has only local user accounts.

Where should the audit look for duplicate UIDs on the system?

- A. `/etc/passwd`
- B. `/etc/security/passwd`
- C. `/etc/security/user`
- D. `/etc/shadow`

20. A previous AIX administrator applied an AIX security expert profile to the system. Unfortunately, the applied profile was not documented. Which command would display the applied profile?

- A. `aixpert -t`
- B. `secpert -c`
- C. `getconf SECPROFILE`
- D. `lsattr -El sec0 -a profile`

21. A security auditor needs to determine which accounts used the `su` command to change to the root user. By default, which log file will provide the required information?

- A. `/var/adm/sulog`
- B. `/var/adm/wtmp`
- C. `/var/adm/security`
- D. `/var/log/messages`

22. A security department requires users to change their AIX password every 28 days. Which user attribute must be changed to achieve the goal?

- A. maxage
- B. maxdays
- C. maxexpired
- D. pwdwarntime

23. A user tries to write to a file, but receives the following error message:

```
$ echo hello world >file
The file access permissions do not allow the specified action.
ksh: file: 0403-005 Cannot create the specified file.
$ ls -l file
-r-----  1 user  staff           12 Apr 29 10:23 file
```

Based on the output above, what is the most probable cause of the error?

- A. The file system has no free space.
- B. The file is owned by another user.
- C. The user has no write permissions to the file.
- D. The file already exists and cannot be overwritten.

24. A user would like to change their password and uses the `passwd` command.

```
$ id
uid=203(user) gid=1(staff)
$ ls -l /usr/bin/passwd
-r-sr-xr-x  1 root  security    44799 Feb 18 2019 /usr/bin/passwd
```

Based on the output above, what happens when the user runs the command `passwd`?

- A. It does not start because it is not owned by the user.
- B. It starts with root permissions to change root's password.
- C. It starts with user permissions to change user's password.
- D. It starts with root permissions to change user's password.

25. A system administrator needs to change the default name

resolution order, to first search the /etc/hosts file and then the DNS servers. Which option should be present in which file?

- A. `hosts = file`, bind in the `/etc/hosts` file
- B. `hosts = local`, bind in the `/etc/netsvc.conf` file
- C. `options = local`, bind in the `/etc/resolv.conf` file
- D. `NSORDER = local`, bind in the `/etc/nslookup.conf` file

26. An NFS server has exported the /tmp directory to the world with read-only permissions. The administrator is trying to mount the NFS on the client system. However, the mount operation returns the following error:

```
# mount nfs_server:/tmp /share
mount: giving up on:
      nfs_server:/tmp
vmount: No such file or directory
```

What must the administrator do to mount the NFS?

- A. Refresh the NFS services before mounting the NFS.
- B. Export the directory with read-write access permissions.
- C. Create the `/share` directory with `mkdir` before mounting the NFS.
- D. Install the `bos.net.nfs.client` fileset before mounting the NFS.

27. Which AIX command is useful for monitoring broad aspects of real-time workload processing?

- A. `vmo -L`
- B. `iostat 5`
- C. `lparstat -i`
- D. `vmstat -IWwt 1`

28. Which statement best applies to physical CPUs?

- A. Physical CPUs can only support logical CPUs when its virtual CPU is folded down.
- B. Physical CPUs convert to virtual CPUs whenever logical CPUs have no workload to execute.

- C. Virtual CPUs are the SMT manifestation of logical CPUs whenever physical CPUs are offline.
- D. Multiple virtual CPUs can be time-sliced across multiple physical CPUs to process workloads.

29. A customer needs to add an additional paging space to their system. Which command should the administrator issue?

- A. `chps`
- B. `crps`
- C. `mkps`
- D. `swapon`

30. An administrator needs to see how much paging space is being used on their AIX system. Which command would provide this information?

- A. `lspv`
- B. `chps`
- C. `lslv`
- D. `swapon`

31. What will cause a user to login and find that they are in / or /home/guest for their home directory?

- A. The /tmp file system is full.
- B. The utmp/wtmp files cannot be written to.
- C. The user's home directory/file system is full.
- D. The user's home directory is not accessible.

32. The network team informs that AIX team that they are seeing errors on a switch port. They do not believe it is a cable or switch problem. How can the administrator check whether there is a problem with the network adapter hardware?

- A. Run `ethctest` against the adapter.
- B. Run `diag` against the adapter.
- C. Run `errclear` against the adapter.
- D. Run `rmdev / cfgmgr` to reconfigure the adapter.

Answer Key:

1. C
2. B
3. BD
4. C
5. B
6. A
7. B
8. D
9. A
10. AE
11. A
12. D
13. B
14. A
15. A
16. B
17. C
18. B
19. A
20. A
21. A
22. A
23. C
24. D
25. B
26. C
27. D
28. D
29. C
30. A
31. D
32. B