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Exam : **000-234**

Title : Aix 5l performance and
systems tuning

Version : DEMO

1.Users complain an AIX server is running slow. Which of the following commands can be run to determine what is consuming systems resources?

- A.tprof
- B.lpstat
- C.ps aux
- D.entstat

Correct:C

2.When monitoring a system using /usr/bin/vmstat with an interval, the metrics under page pi and page po represent which of the following phrases?

- A.The pages to and from paging space per second
- B.The page intervals and page operations per second
- C.The page interrupts and page operations per second
- D.The page segments transferred between pi and po devices per second

Correct:A

3.Which of the following commands is used to display detailed ethernet statistics for ent0?

- A.ifconfig ent0
- B.entstat -d ent0
- C.netstat -i
- D.lscfg -vl ent0

Correct:B

4.Which of the following performance tools can be used to determine if a system is thrashing?

- A.svmon and tprof
- B.vmtune and schedtune
- C.ps and schedtune
- D.vmstat and topas

Correct:D

5.Which of the following tools should be used to report in-depth information about file fragments?

- A.defragfs
- B.istat
- C.filemon
- D.fileplace

Correct:D

6.Which of the following metrics provided by the iostat report is used to initially determine if a system is I/O bound?

- A.% idle
- B.% sys
- C.% user
- D.% iowait

Correct:D

7.To examine the Exhibit, press the Exhibit button. While a user is compiling a C program, "vmstat 120 10" is run to determine the cause of a performance problem. Given the vmstat output as shown in the exhibit, which of the following conclusions should be drawn about the I/O bottleneck?

```

$ /usr/bin/vmstat 120 10
kthr      memory          page        faults          cpu
-----  -
r  b   avm    fre      re pi po fr sr  cy in  sy  cs  us  sy  id  wa
0  1 59903  542      0  0  0  0  0  0 451  912 478 43 11 15 31
0  2 59904  550      0  0  0  0  0  0 521 1436 650 23 19  4 50
0  3 59950  538      0  0  0  0  0  0 344  649 249  7  7  6 80
0  2 59899  578      0  0  0  0  0  0 467 1829 500 12 14  4 70
0  2 59882  589      0  0  0  0  0  0 600 1292 705  6  8  3 61
0  3 59882  420      0  0  0  0  0  0 452  952 372 11  8  1 80
0  2 59954  420      0  0  0  0  0  0 537 1979 573 13  5 10 72
0  2 59954  423      0  0  0  0  0  0 618 1413 686 15  9  6 70
0  3 59954  420      0  0  0  0  0  0 551  938 634  4  2  2 92
0  2 59954  422      0  0  0  0  0  0 460 1376 496 14  2  4 80

```

- A. There is a file I/O bottleneck.
- B. There are too many open files.
- C. There appears to be a buffer shortage.
- D. There is a paging space I/O bottleneck.

Correct:A

8. Which of the following commands is most useful in initially collecting data to determine a network performance problem?

- A. ping
- B. trace
- C. ifconfig
- D. lsattr

Correct:A

9. After running the vmstat command, which of the following would most likely cause the value in the blocked column to be unusually high?

- A. Kernel thread
- B. Too many users
- C. Memory shortage
- D. Network contention

Correct:A

10. Which of the following commands should be used to monitor disk utilization during the time a system is experiencing a disk I/O performance problem?

- A. iostat
- B. topas
- C. vmstat
- D. filemon

Correct:B

11. Which of the following commands should be used to show how much data is read from or written to a particular logical volume, given there are several other logical volumes on the same disk?

- A. sar

- B.lslv
- C.iostat
- D.filemon

Correct:D

12.To examine the Exhibits, press the Exhibit button. Using the command output as shown in the exhibits, which of the following conclusions is most appropriate to draw?

```
# lsps -a
Page Space Physical Volume Volume Group Size %Used Active Auto Type
hd6      hdisk0      rootvg      256MB  13    yes  yes  lv
```

- A.There is an I/O bottleneck.
- B.The machine needs more memory.
- C.The machine has a CPU bottleneck.
- D.A paging space volume needs to be added to hdisk1 or hdisk2.

Correct:A

13.Which of the following commands displays the number of system calls per second that are being executed?

- A.sar
- B.pstat
- C.iostat
- D.filemon

Correct:A

14.Which of the following commands should be used to view and change the network filesystem tuning parameters available on the system?

- A.no
- B.nfso
- C.vmtune
- D.exportfs

Correct:B

15.Which of the following commands should be used to set network attributes on a currently running kernel?

- A.no
- B.chdev
- C.vmtune
- D.schedtune

Correct:A

16.Which of the following tools should be used to report current network status and is often used to check the reliability of a network?

- A.netpmon
- B.netstat
- C.nfsstat

D.vmstat

Correct:B

17.In an iostat report, which of the following options best describes the value of % idle?

- A.A representation of the equation (tps/kbps)*100
- B.The percentage of time the disks are idle with no activity
- C.The percentage of time the disks are idle with no outstanding CPU requests
- D.The percentage of time the CPU is idle with no outstanding disk I/O requests

Correct:D

18.Which of the following commands should be used to determine DNS name resolution performance?

- A.iptrace
- B.vmstat
- C.hostname
- D.ifconfig

Correct:A

19.In an iostat report, which of the following options best describes the value of % iowait?

- A.The amount of time taken to service an I/O interrupt
- B.The percentage of time CPU(s) are waiting for page ins
- C.The percentage of time the CPU(s) are waiting on network
- D.The percentage of time the CPU(s) are waiting for outstanding disk I/O requests

Correct:D

**20.A typical example of a process # 19082 in the /proc file would be: # ls -l /proc/19082 total 0
dr-xr-xr-x 1 root system 0 Sep 15 15:12 . dr-xr-xr-x 1 root system 0 Sept 15 15:12 .. -rw----- 1 root
system 0 Sept 15 15:12 as -r----- 1 root system 128 Sept 15 15:12 cred --w----- 1 root system 0
Sept 15 15:12 ctl dr-xr-xr-x 1 root system 0 Sept 15 15:12 lwp -r----- 1 root system 0 Sept 15 15:12
map dr-x----- 1 root system 0 Sept 15 15:12 object -r--r--r-- 1 root system 448 Sept 15 15:12 psinfo
-r----- 1 root system 1024 Sept 15 15:12 sigact -r----- 1 root system 1520 Sept 15 15:12 status
-r--r--r-- 1 root system 0 Sept 15 15:12 sysent Writing to which of the following files will allow the
owner to stop a process?**

- A.status
- B.sysent
- C.ctl
- D.as

Correct:C