



**Exam Code:** 000-234

**Exam Name:** Aix 5l performance and systems tuning

**Vendor:** IBM

**Version:** DEMO

## Part: A

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 Answers: 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 Answers: 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 Answers: 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 Answers: 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 Answers: 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 Answers: 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 Answers: 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 Answers: 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 Answers: 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.istat
- B.topas
- C.vmstat
- D.filemon

**Correct Answers: 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 Answers: 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?

```
# lsvg -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 Answers: 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 Answers: 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.nfsd
- C.vmtune
- D.exportfs

**Correct Answers: 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 Answers: 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 Answers: B**

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

- A.A representation of the equation  $(\text{tps/kbps}) * 100$
- 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 Answers: 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 Answers: 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 CPU9(s) are waiting on network
- D.The percentage of time the CPU(s) are waiting for outstanding disk I/O requests

**Correct Answers: 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 Answers: C**