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Q&A

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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.istat

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 CPU9(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