

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.nfso
- 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.netpmmon
- 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 $(\text{tps/kbps}) \times 100$
- 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