

11.2.5 Practice Questions

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Score: 100%

Passing Score: 80%



▼ Question 1:

✓ Correct

A technician executed a command that collects various OS usage statistics, provides report capability, and saves system activity information. Which of the following commands produced the following output?

```
Linux 3.10.0-957.5.1.el7.x86_64 (centos7.localdomain) 02/28/2019 _x86_64_ (1 CPU)

02:10:02 PM   CPU   %user   %nice   %system   %iowait   %steal   %idle
02:20:01 PM   all     1.07     0.00     0.41     0.03     0.00    98.49
02:30:01 PM   all     0.09     0.00     0.13     0.03     0.00    99.75
02:40:01 PM   all     0.38     0.08     0.35     0.02     0.00    99.18
02:50:01 PM   all     0.08     0.00     0.12     0.01     0.00    99.79
03:00:02 PM   all     0.71     0.00     0.25     0.02     0.00    99.01
Average:      all     0.47     0.02     0.25     0.02     0.00    99.25
```

☐ **vmstat**☐ **free**☐ **iostat**☒ **sar**

Explanation

sar collects CPU usage, memory usage, swap space usage, overall I/O activity, individual device I/O, and network statistics.

iostat reports CPU statistics and input/output for devices and partitions but does not produce the output.

free displays information about the total amount of free and used physical and swap memory. It does not show other information in the output.

vmstat displays information about processes, memory, paging, block I/O, traps, disks, and CPU activity.

References

 11.2.3 Resource Monitoring Facts

q_res_mon_lp4_sar.question.fex

▼ Question 2:

✓ Correct

Which of the following commands produced this output?

06:14:11 up 139 days, 24 min, 5 users, load average: 0.12, 0.33, 0.48

➡ ☒ **uptime**

☐ **top**

☐ **ps**

☐ **w**

Explanation

The output was produced by entering the **uptime** command.

w, **top** and **ps** provide similar and related information, but do not produce the output shown in this question.

References



11.2.3 Resource Monitoring Facts

q_res_mon_lp5_uptime.question.fex

▼ Question 3:

✓ Correct

Mary, a technician, is troubleshooting memory and performance issues on a system. Mary executed a command to show information about processes, memory, paging, block IO, traps, disks, and CPU activity.

Which of the following commands did Mary use to produce the output below?

```
procs -----memory----- ---swap-- -----io----- -system-- -----cpu-----
r  b      swpd   free   buff  cache   si   so    bi    bo    in   cs  us  sy  id  wa  st
3  0          0 3238656   2280 920816    0    0   324   60    5   347  4   4  92   0   0
0  0          0 3238624   2280 920816    0    0    0    0    1   156  2   0  98   0   0
0  0          0 3238672   2280 920816    0    0    0    0    0   145  1   0  98   0   0
0  0          0 3239764   2280 920444    0    0    0    2    5   131  1   1  99   0   0
0  0          0 3239896   2280 920444    0    0    0    5    1   152  1   0  98   0   0
```

- ☐ top
- ☐ iostat
- ➔ ☒ **vmstat**
- ☐ free

Explanation

vmstat displays information about processes, memory, paging, block I/O, traps, disks, and CPU activity.

free displays information about the total amount of free and used physical and swap memory. It does not display other information.

iostat reports CPU statistics and input/output for devices and partitions, but does not produce the output shown.

top reports dynamic information on system processes, but does not produce this output.

References

 8.4.3 Swap Area Management

q_res_mon_lp5_vmstat.question.fex