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QUESTION 1

A systems administrator is investigating low performance a server. After executing some diagnostic commands, the administrator analyzes the data: Which of the following is the cause of low performance on the server?

```
iostat:
Device:  r/s    w/s    rkB/s    wkB/s    await    r_await    w_await    %util
sda      0.00    142    0.00     71040.00  973.94    0.00       973.94    100.00

sar:
04:40:01 PM    CPU    %user    %nice    %system    %iowait    %steal    %idle
04:50:01 PM    all    15.49     0.00    10.19     25.83     0.00     48.49
05:00:01 PM    all    15.62     0.00    10.22     24.83     0.00     49.33
05:10:01 PM    all    15.17     0.00    10.16     25.62     0.00     48.64

free:
          total          used          free          shared          buff/cache          available
Mem:     15591          1325           179             3           14087          13293
Swap:    3711             0           3711
```

- A. Lack of swap space
- B. Lack of available memory
- C. User processes have taken up all the available CPU time
- D. High disk activity

Correct Answer: C

QUESTION 2

A systems administrator notices several intensive tasks executing from users Joe and Ann. These processes are impacting server operations but must be allowed to continue running. Which of the following commands should the systems administrator run to reduce the impact on the server?

- A. `pkill -u joe ann`
- B. `renice 11 -u joe ann`
- C. `nohup -u joe ann`
- D. `strace -u joe ann`

Correct Answer: B

Reference: <https://www.computerhope.com/unix/renice.htm#:~:text=On%20Unix%2Dlike%20operating%20systems,the%20Linux%20version%20of%20renice>

QUESTION 3

A junior systems administrator is tasked with providing the network_administrators group the ability to perform sudo without prompting for a password. Which of the following steps should the administrator perform to accomplish this task? (Choose two.)

- A. Use visudo to edit the /etc/sudoers file and add network_administrators to the "wheel" group
- B. Use vi to edit the /etc/sudo file and add network_administrators to the "wheel" group
- C. Provide all network_administrators with the "root" account password
- D. Add the network_administrators ALL=(ALL) NOPASSWD: ALL directive to the /etc/sudoers file
- E. Add the network_administrators =(ALL) NOEXEC: ALL directive to the /etc/sudoers file

Correct Answer: CD

QUESTION 4

A technician's laptop is configured with wired and wireless interfaces. Both interfaces have obtained the appropriate IP address from the organization's DHCP server.

Which of the following commands is MOST appropriate to remove the IP address from the wireless interface temporarily so network traffic is routed through the wired interface?

- A. ip addr wlan0 del default
- B. route delete default gw if wlan0
- C. netstat -r wlan0
- D. dhclient -r wlan0

Correct Answer: D

Reference: https://access.redhat.com/documentation/en-us/red_hat_enterprise_linux/8/html-single/configuring_and_managing_networking/index

QUESTION 5

An administrator finds a text file that is using too much disk space. The administrator runs `lsdf | grep bigfile.txt` and gets the following return:

```
app.py 1339  comptia 4u  REG  8,5  12288  4059075/home/comptia/bigfile.txt
```

Which of the following should the administrator do NEXT to prepare to delete the file and free up disk space?

- A. `pkill app.py`

B. logout --force comptia

C. kill -9 7339

D. kill -HUP 12288

Correct Answer: C

Reference: <https://linuxhint.com/linux-kill-command/#:~:text=The%20kill%20is%20a%20very,using%20the%20default%20TERM%20signal>

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