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QUESTION NO: 1

A Linux systems administrator is configuring a new filesystem that needs the capability to be mounted persistently across reboots. Which of the following commands will accomplish this task? (Choose two.)

A. df -h /data

B. mkfs.ext4 /dev/sdc1

C. fsck /dev/sdc1

D. fdisk -l /dev/sdc1

E. echo "/data /dev/sdc1 ext4 defaults 0 0" >> /etc/fstab

F. echo "/dev/sdc1 /data ext4 defaults 0 0" >> /etc/fstab

ANSWER: B F

QUESTION NO: 2

A systems administrator created a web server for the company and is required to add a tag for the API so end users can connect. Which of the following would the administrator do to complete this requirement?

A. hostnamectl status --no-ask-password

B. hostnamectl set-hostname "$(perl -le "print" "A" x 86)"

C. hostnamectl set-hostname Comptia-WebNode -H root@192.168.2.14

D. hostnamectl set-hostname Comptia-WebNode --transient

ANSWER: C

QUESTION NO: 3

A systems administrator received a notification that a system is performing slowly. When running the top command, the systems administrator can see the following values:

```
%Cpu(s):  2.7 us,  1.9 sy,  0.0 ni,  0.4 id,  95 wa,  0.0 hi,  0.0 si  0.0 st
```

Which of the following commands will the administrator most likely run NEXT?

A. vmstat

B. strace

C. htop

D. lsof

ANSWER: A

QUESTION NO: 4

A systems administrator is implementing a new service task with systems at startup and needs to execute a script entitled test.sh with the following content:

```
TIMESTAMP=$ (date '+%Y-%m-%d %H:%M:%S')
echo "helpme.service: timestamp $(Timestamp)" | systemd-cat -p info
sleep 60
done
```

The administrator tries to run the script after making it executable with chmod +x; however, the script will not run. Which of the following should the administrator do to address this issue? (Choose two.)

A. Add #!/bin/bash to the bottom of the script.

B. Create a unit file for the new service in /etc/systemd/system/ with the name helpme.service in the location.

C. Add #!//bin/bash to the top of the script.

D. Restart the computer to enable the new service.

E. Create a unit file for the new service in /etc/init.d with the name helpme.service in the location.

F. Shut down the computer to enable the new service.

ANSWER: B C

QUESTION NO: 5

A new file was added to a main Git repository. An administrator wants to synchronize a local copy with the contents of the main repository. Which of the following commands should the administrator use for this task?

A. git reflog

B. git pull

C. git status

D. git push

ANSWER: B

QUESTION NO: 6

A Linux administrator is alerted to a storage capacity issue on a server without a specific mount point or directory. Which of the following commands would be MOST helpful for troubleshooting? (Choose two.)

A. parted

B. df

C. mount

D. du

E. fdisk

F. dd

G. ls

ANSWER: B D

QUESTION NO: 7

A Linux administrator is troubleshooting a memory-related issue. Based on the output of the commands:

```
$ vmstat -s --unit M

968 M total memory
331 M used memory
482 M active memory
279 M inactive memory
 99 M free memory

$ free -h
          total      used       free       shared    buff/cache    available
Mem:      968M       331M       95M        13M       540M          458M
Swap:     0          0          0

$ ps -aux | grep script.sh
USER   PID   %CPU  %MEM  VSZ      RSS      TTY STAT START  TIME  COMMAND
user   8321  2.8   40.5  3224846  371687   7   SN    16:49  2:09  /home/user/script.sh
```

Which of the following commands would address the issue?

A. top -p 8321

B. kill -9 8321

C. renice -10 8321

D. free 8321

ANSWER: C

QUESTION NO: 8

A systems administrator is notified that the mysqld process stopped unexpectedly. The systems administrator issues the following command:

sudo grep –i -r 'out of memory' /var/log

The output of the command shows the following:

kernel: Out of memory: Kill process 9112 (mysqld) score 511 or sacrifice child.

Which of the following commands should the systems administrator execute NEXT to troubleshoot this issue? (Select two).

A. free -h

B. nc -v 127.0.0.1 3306

C. renice -15 $(pidof mysql)

D. lsblk

E. killall -15

F. vmstat -a 1 4

ANSWER: A C

QUESTION NO: 9

A cloud engineer needs to launch a container named web-01 in background mode. Which of the following commands will accomplish this task"

A. docker builder -f —name web-01 httpd

B. docker load --name web-01 httpd

C. docker ps -a --name web-01 httpd

D. docker run -d --name web-01 httpd

ANSWER: D

QUESTION NO: 10

A Linux system is getting an error indicating the root filesystem is full. Which of the following commands should be used by the systems administrator to resolve this issue? (Choose three.)

A. df -h /

B. fdisk -1 /dev/sdb

C. growpart /dev/mapper/rootvg-rootlv

D. pvcreate /dev/sdb

E. lvresize –L +10G -r /dev/mapper/rootvg-rootlv

F. lsblk /dev/sda

G. parted -l /dev/mapper/rootvg-rootlv

H. vgextend /dev/rootvg /dev/sdb

ANSWER: D E H