



# CompTIA

## Exam Questions XK0-004

CompTIA Linux+ Certification Exam

#### NEW QUESTION 1

A Linux administrator needs to switch from text mode to GUI. Which of the following runlevels will start the GUI by default?

- A. Runlevel 3
- B. Runlevel 4
- C. Runlevel 5
- D. Runlevel 6

**Answer: C**

#### NEW QUESTION 2

A Linux administrator is testing a new web application on a local laptop and consistently shows the following 403 errors in the laptop's logs

```
type=AVC msg=audit(126552035:37232) :avc:denied [read] for pid=24941 com=nginx  
nme="/home/user1" /dev/sda1 ino=2 scontext=unconfined_u:system_r:httpd_t:s0  
tcontext=system_u:object_r:httpd_sys_content:s0
```

The web server starts properly, but an error is generated in the audit log. Which of the following settings should be enabled to prevent this audit message?

- A. httpd\_can\_network\_connect = 1
- B. httpd\_enable\_scripting = 1
- C. httpd\_enable\_homedirs = 1
- D. httpd\_enable\_cgi = 1

**Answer: A**

#### NEW QUESTION 3

A Linux administrator is testing connectivity to a remote host on a shared terminal. The administrator wants to allow other users to access the terminal while the command is executing.

Which of the following commands should the administrator use?

- A. bg ping remotehost
- B. fg ping remotehost
- C. ping remotehost < results
- D. ping remotehost &

**Answer: C**

#### NEW QUESTION 4

A user has connected a Bluetooth mouse to a computer, but it is not working properly. Which of the following commands should the systems administrator use to fix the issue?

- A. lsmod -i bluetooth
- B. insmod bluetooth
- C. modprobe -r bluetooth
- D. depmod -i bluetooth

**Answer: C**

#### NEW QUESTION 5

A systems administration team has decided to their systems as immutable instances. They keep the desired state of each of their systems in version control and apply automation whenever they provision a new instance. If there is an issue with one of their servers, instead of troubleshooting the issue they terminate the instance and rebuild it using automation.

Which of the following is this an example of?

- A. Inventory
- B. Orchestration
- C. Infrastructure as code
- D. Agentless deployment

**Answer: C**

#### NEW QUESTION 6

A systems administrator needs to append output of ls -lha /opt command to the contents of a test.txt file. Which of the following commands will accomplish this?

- A. ls -lha /opt > test.txt
- B. ls -lha /opt < test.txt
- C. ls -lha /opt >> test.txt
- D. ls -lha /opt << test.txt

**Answer: C**

#### NEW QUESTION 7

A systems administrator is unable to reach other devices on the network and the Internet. The server is configured with the IP address 192.169.1.50/24 on eth0. The server's router is 192.168.1.1. The administrator reviews the output of route -n:

Kernel IP routing table

| Destination | Gateway     | Genmask       | Flags | Metric | Ref | Use | Iface |
|-------------|-------------|---------------|-------|--------|-----|-----|-------|
| 0.0.0.0     | 192.168.2.1 | 0.0.0.0       | UG    | 1024   | 0   | 0   | eth0  |
| 192.168.1.0 | 0.0.0.0     | 255.255.255.0 | U     | 0      | 0   | 0   | eth0  |

Which of the following commands should the administrator run to correct the issue?

- A. route del default gw 192.168.2.1 eth0; route add default gw 192.168.1.1 eth0
- B. route add -net 192.168.10.0 netmask 255.255.255.0 gw 192.168.2.1 eth0
- C. route add 192.168.1.1 default 192.168.1.50 eth0
- D. route host gw 192.168.1.1 eth0

**Answer:** B

#### NEW QUESTION 8

A Linux server needs to be accessed, but the root password is not available.

Which of the following would BEST allow an administrator to regain access and set a new known password at the same time?

- A. Boot into a single-user mode and reset the password via the passwd command.
- B. Boot into a single-user mode and reset the password by editing the /etc/passwd file.
- C. Boot into a single-user mode and reset the password by editing the /etc/shadow file.
- D. Boot into a single-user mode and reset the password via the chage command.

**Answer:** A

#### NEW QUESTION 9

A junior Linux administrator is installing a new application with CPU architecture requirements that have the following specifications:

x64 bit 3.0GHz speed

Minimum quad core

The administrator wants to leverage existing equipment but is unsure whether the requirements of these systems are adequate. The administrator issues the following command cat /proc/cpuinfo. The output of the command is as follows:

```
processor:           0
vendor_id:          GenuineIntel
cpu_family:         x64
model:              58
model name:         Intel (R) Core(TM) i7-3687U @2.10 GHz
stepping:           9
microcode:          0x1c
cpu MHz:            2593.84
cache size:         4096KB
siblings:           1
core id:            0
cpd cores:          4
```

Which of the following is the recommended course of action the administrator should take based on this output?

- A. Install the application, as the system meets the application requirements
- B. Procure new equipment that matches the recommended specifications
- C. Recompile the Linux kernel to support the installation.
- D. Reconfigure lib modules to support the new application.

**Answer:** A

#### NEW QUESTION 10

As a Systems Administrator, to reduce disk space, you were tasked to create a shell script that does the following:

Add relevant content to /tmp/script.sh, so that it finds and compresses rotated files in /var/log without recursion.

INSTRUCTIONS

Fill the blanks to build a script that performs the actual compression of rotated log files.

If at any time you would like to bring back the initial state of the simulation, please click the Reset All button.

Snippets

tar

until

zip

egrep

awk

\$log

"\$6"

pgrep

repeat

/tmp/tempfile

locate

filename

rar

then

"log.[1-6]\$"

in

done

/var/log

for

xt

"\$1"

sed

grep

"\$log.[1-6]\$"

while

```
#!/bin/bash

#name: script.sh

find /var/log -type f -maxdepth 1 | grep 

?

 > /tmp/tempfile



?

 filename 

?

 $(cat 

?

)

do



?

 $filename



?


```

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

### Snippets

tar

until

zip

egrep

awk

\$log

"\$@"

pgrep

repeat

/tmp/tmpfile

locate

filename

rar

then

"log-[1-6]\$"

in

done

/var/log

for

xz

"\$1"

sed

gzip

"\$log-[1-6]\$"

while

```
#!/bin/bash

#name: script.sh

find /var/log -type f -maxdepth 1 | grep "$@" > /tmp/tmpfile

for filename in $(cat /tmp/tmpfile)
do
    gzip $filename
done
```

#### NEW QUESTION 10

A Linux systems administrator installed a new web server, which failed while attempting to start. The administrator suspects that SELinux is causing an issue and wants to temporarily put the system into permissive mode. Which of the following would allow the administrator to accomplish this?

- A. echo SELINUX=PERMISSIVE >> /etc/sysconfig/selinux
- B. setenforce 0
- C. sestatus 0
- D. chcon httpd\_sys\_content\_t /var/

**Answer: B**

#### NEW QUESTION 14

A systems administrator wants to know the current status of a series of dd jobs that were started in the background three hours ago. Which of the following commands will achieve this task?

- A. sudo killall -HUP dd
- B. sudo killall dd
- C. sudo killall -TERM dd
- D. sudo killall -USR1 dd

**Answer: D**

#### NEW QUESTION 16

Which of the following configuration management tools is considered agentless?

- A. Puppet
- B. Salt
- C. Ansible
- D. Chef

**Answer: C**

#### NEW QUESTION 18

An administrator is attempting to block SSH connections to 192.168.10.24 using the Linux firewall. After implementing a rule, a connection refused error is displayed when attempting to SSH to 192.168.10.24.

Which of the following rules was MOST likely implemented?

- A. iptables -A -p tcp -d 192.168.10.24 -dropt 22 -j REJECT
- B. iptables -A -p tcp -d 192.168.10.24 -dropt 22 -j DROP



- C. iptables -A -p tcp -d 192.168.10.24 -dropt 22 -j FORWARD
- D. iptables -A -p tcp -d 192.168.10.24 -dropt 22 -j REFUSE

**Answer:** A

#### NEW QUESTION 22

Which of the following BEST describes the purpose of the X11 system?

- A. X11 provides graphical display capabilities
- B. X11 provides command line capabilities
- C. X11 provides networking capabilities
- D. X11 provides telephony capabilities.

**Answer:** A

#### NEW QUESTION 27

Given the output below:

```
drwxr-xr-x. 4096 user1 user1 Documents
drwxr-xr-x. 4096 user1 user1 Music
lrwxrwxrwx. 1 root root MyPhoto.jpg ->/Pictures/photo.jpg
drwxr-xr-x. 4096 user1 user1 Pictures
-rw-r--r--. 256 user1 user1 text.txt
-rw-r--r--. 35 user1 user1 tmp.tmp
```

Which of the following commands can be used to remove MyPhoto.jpg from the current directory?

- A. unlink ./MyPhoto.jpg
- B. del Pictures/photo.jpg
- C. rm -rf ./Pictures
- D. rm -f MyPhoto.jpg
- E. ln -rm ./Pictures/photo.jpg

**Answer:** E

#### NEW QUESTION 31

Which of the following statements BEST represents what the term “agentless” means regarding orchestration?

- A. Installation of a tool is not required on the remote system to perform orchestration tasks
- B. It facilitates version control when using infrastructure as code during orchestration
- C. It automatically removes malware from the remote system during orchestration
- D. A tool can only be accessed remotely to perform orchestration tasks

**Answer:** A

#### NEW QUESTION 36

Which of the following is modified to reconfigure the boot environment?

- A. grub-mkconfig
- B. grub.cfg
- C. update-grub
- D. grub2-mkconfig

**Answer:** C

#### NEW QUESTION 40

A networked has been crashing intermittently. A Linux administrator would like to write a shell script that will attempt to ping the server and email an alert if the server fails to respond. The script will later be scheduled via cron job. Which of the following scripts would BEST accomplish this task?

**A**

```
SERVER='192.168.1.50'
RESULT='ping -C 2 $SERVER'
if [ ! $RESULT ]; then
    echo "Server is down" | mail -s "Server down" admin@email_address.com
fi
```

**B**

```
SERVER="192.168.1.50"
ping -c 2 $SERVER >/dev/null 2>/dev/null
if [ $? -ge 1 ]; then
    echo "Server is down" | mail -s "Server down" admin@email_address.com
fi
```

**C**

```
SERVER="192.168.1.50"
RESULT='ping -c 2 $SERVER >/dev/null 2>/dev/null'
while [ $RESULT != 1 ];
do
    echo "Server is down" | mail -s "Server down" admin@email_address.com
done
```

**D**

```
SERVER="192.168.1.50"
ping -c 2 $SERVER >/dev/null 2>/tmp/fail.log
if [ -f /tmp/fail/log ]; then
    echo "Server is down" | mail -s "Server down" admin@email_address.com
fi
```

- A. Option A
- B. Option B
- C. Option C
- D. Option D

**Answer:** D

#### NEW QUESTION 41

In order to comply with new security policies, an administrator needs to prevent the SSH server from using insecure algorithms. Which of the following files should be edited to accomplish this?

- A. /etc/ssh/sshd\_config
- B. /etc/ssh/ssh\_config
- C. ~/.ssh/ssh\_config
- D. /etc/ssh/known\_hosts

**Answer:** A

#### NEW QUESTION 43

A technical support engineer receives a ticket from a user who is trying to create a 1KB file in the /tmp directory and is getting the following error No space left on device. The support engineer checks the /tmp directory, and it has 20GB of free space. Which of the following BEST describes a possible cause for this error?

- A. The /tmp directory is not mounted.
- B. The filesystem is formatted with a 4MB block size.
- C. the filesystem ran out of inodes.
- D. The /tmp directory has been set with an immutable attribute.

**Answer:** C

**NEW QUESTION 47**

A junior Linux administrator is optimizing a system in which an application needs to take priority 0 when running the process. The administrator runs the ps command and receives the following output:

| PID  | PPID | TTY    | Time     | CMD |
|------|------|--------|----------|-----|
| 8481 | 2    | pts/17 | 16:40:00 | app |
| 9854 | 0    | pts/17 | 16:40:00 | ps  |

Given this scenario, which of the following steps will address this issue?

- A. Issue the command `ronice -n 0 -p 8481`
- B. Issue the command `renice -p 8481`
- C. Issue the command `renice -p 0 -n 8481`
- D. Issue the command `renice -n 8481`

**Answer: D**

**NEW QUESTION 49**

An administrator has modified the configuration file for a service. The service is still running but is not using the new configured values. Which of the following will BEST remediate this issue?

- A. `kill -HUP`
- B. `init 0`
- C. `service start`
- D. `renice -10`

**Answer: A**

**NEW QUESTION 52**

A Linux administrator is using a public cloud provider to host servers for a company's website. Using the provider's tools, the administrator wrote a JSON file to define how to deploy the servers. Which of the following techniques did the administrator use?

- A. Infrastructure as code
- B. Build automation
- C. Platform as a service
- D. Automated configuration

**Answer: B**

**NEW QUESTION 54**

Which of the following will provide a list of all flash, external, internal, and SSD drives?

- A. `lspci`
- B. `lsmod`
- C. `lsblk`
- D. `lsusb`

**Answer: C**

**NEW QUESTION 59**

A systems administrator needs to install a new piece of hardware that requires a new driver. The driver should be manually installed. Which of the following describes the order of commands required to obtain module information, install the module, and check the log for any errors during module installation?

- A. `lsmod`, `modprobe`, `modinfo`
- B. `modinfo`, `insmod`, `modprobe`
- C. `modinfo`, `insmod`, `dmesg`
- D. `lsmod`, `insmod`, `dmesg`

**Answer: A**

**NEW QUESTION 63**

A Linux administrator needs to remotely update the contents of the `www.comptia.org/contacts` URL. Which of the following commands would allow the administrator to download the current contents of the URL before updating?

- A. `curl www.comptia.org/contacts`
- B. `dig www.comptia.org/contacts`
- C. `apt-get www.comptia.org/contacts`
- D. `yum list www.comptia.org/contacts`

**Answer: A**

**NEW QUESTION 67**

Which of the following is the purpose of the monitoring server role?

- A. To aggregate web traffic to watch which websites employees are visiting



- B. To collect status and performance information about the servers in an environment
- C. To provide user authentication services to a network
- D. To provide real-time analysis of potential threats to the organization

**Answer:** B

#### NEW QUESTION 72

A junior system administrator had trouble installing and running an Apache web server on a Linux server. You have been tasked with installing the Apache web server on the Linux server and resolving the issue that prevented the junior administrator from running Apache.

##### INSTRUCTIONS

Install Apache and start the service. Verify that the Apache service is running with the defaults. Typing “help” in the terminal will show a list of relevant commands. If at any time you would like to bring back the initial state of the simulation, please click the Reset All button. CentOS Command Prompt

```
[root@centos7]#
```

- A. Mastered
- B. Not Mastered

**Answer:** A

##### Explanation:

```
[root@tecmint ~]#
[root@tecmint ~]# yum install httpd
Loaded plugins: fastestmirror, refresh-packagekit
Setting up Install Process
Loading mirror speeds from cached hostfile
 * base: centos.excellmedia.net
 * epel: epel.scopesky.iq
 * extras: centos.excellmedia.net
 * updates: centos-hn.viettelidc.com.vn
Resolving Dependencies
There are unfinished transactions remaining. You might consider running yum-comp
lete-transaction first to finish them.
_
```

```
[root@tecmint ~]#
[root@tecmint ~]# systemctl start httpd
[root@tecmint ~]#
[root@tecmint ~]# systemctl enable httpd
Created symlink from /etc/systemd/system/multi-user.target.wants/httpd.service to /usr/lib/systemd/system/httpd.service
[root@tecmint ~]#
[root@tecmint ~]# systemctl status httpd
● httpd.service - The Apache HTTP Server
   Loaded: loaded (/usr/lib/systemd/system/httpd.service; enabled; vendor preset: disabled)
   Active: active (running) since Tue 2017-06-27 06:51:35 EDT; 14s ago
     Docs: man:httpd(8)
           man:apachectl(8)
  Main PID: 17981 (httpd)
    Status: "Total requests: 0; Current requests/sec: 0; Current traffic:  0 B/sec"
    CGroup: /system.slice/httpd.service
            └─17981 /usr/sbin/httpd -DFOREGROUND
              └─17982 /usr/sbin/httpd -DFOREGROUND
                └─17983 /usr/sbin/httpd -DFOREGROUND
                  └─17984 /usr/sbin/httpd -DFOREGROUND
                    └─17985 /usr/sbin/httpd -DFOREGROUND
                      └─17986 /usr/sbin/httpd -DFOREGROUND

Jun 27 06:51:35 tecmint systemd[1]: Starting The Apache HTTP Server...
Jun 27 06:51:35 tecmint httpd[17981]: AH00558: httpd: Could not reliably determine the server's fully qualified domain name, setting 'ServerName' to localhost.
Jun 27 06:51:35 tecmint systemd[1]: Started The Apache HTTP Server.
[root@tecmint ~]# █
```

**NEW QUESTION 76**

Find the file named core and remove it from the system. INSTRUCTIONS

Type "help" to display a list of available commands.

If at any time you would like to bring back the initial state of the simulation, please click the Reset All button.

```
[comptia@localhost ~]$
```

- A. Mastered
- B. Not Mastered

Answer: A

**Explanation:**

```
root@tryit-sought:~# find . -type f -name "FILE-TO-FIND" -exec rm -f {} \;  
root@tryit-sought:~# find . -type f -core "FILE-TO-FIND" -exec rm -f {} \;
```

**NEW QUESTION 78**

A Linux systems administrator needs to provision multiple web servers into separate regional datacenters. The systems architect has instructed the administrator to define the server infrastructure using a specific tool that consumes a text-based file. Which of the following is the BEST reason to do this?

- A. To document the infrastructure so it can be included in the system security plan
- B. To ensure the administrator follows the planning phase of the system development life cycle
- C. To define the infrastructure so it can be provisioned consistently with minimal manual tasks
- D. To validate user requirements have been met within each regional datacenter for compliance

**Answer:** B

**NEW QUESTION 81**

A Linux system is running normally when the systems administrator receives an alert that one application spawned many processes. The application is consuming a lot of memory, and it will soon cause the machine to become unresponsive. Which of the following commands will stop each application process?

- A. kill 'pidof application'
- B. killall application
- C. kill -9 'ps -aux | grep application'
- D. pkill -9 application

**Answer:** B

**NEW QUESTION 86**

A Linux administrator wants to obtain a list of files and subdirectories in the /etc directory that contain the word "services". Once the files and subdirectories are discovered, they should be listed alphabetically in the /var/tmp/foundservices file. Which of the following shell scripts will accomplish this task?

- A. #/bin/bashfind /etc -name services | sort > /var/tmp/foundservices
- B. #/bin/bashlocate /etc -sort -name services > /var/tmp/foundservices
- C. #/bin/bashfind -name services -sort </var/tmp/foundservices
- D. #/bin/bashfind /etc -name services -sort > /var/tmp/foundservices

**Answer:** B

**NEW QUESTION 90**

An administrator needs to mount the shared NFS file system testhost:/testvolume to mount point /mnt/testvol and make the mount persistent after reboot. Which of the following BEST demonstrates the commands necessary to accomplish this task?

- A. 

```
# mkdir -p /mnt/testvol  
  
# echo "testhost:/testvolume          /mnt/testvol      nfs defaults 0 0" >> /etc/fstab  
  
# mount -a
```
- B. 

```
# mkdir /mnt/testvol  
  
# mount testhost:/testvolume /mnt/testbol
```
- C. 

```
# mkdir testhost:/testvolume at /mnt/testvol  
  
# mount -a
```
- D. 

```
# mkdir /mnt/testvol  
  
# echo "testhost:/testvolume /mnt/testvol" >> /mnt/mnttab  
  
# mount -a
```

**Answer:** C

**NEW QUESTION 93**

A systems administrator configured a new kernel module, but it stopped working after reboot. Which of the following will allow the systems administrator to check

for module problems during server startup?

- A. lsmod
- B. modprobe
- C. modinfo
- D. dmesg

**Answer:** C

#### NEW QUESTION 95

A Linux administrator retrieved a repository of files from a Git server using git clone. The administrator wants to see if a configuration file was added to the repository. Which of the following Git arguments should be used to see the recent modifications?

- A. fetch
- B. log
- C. init
- D. pull

**Answer:** D

#### NEW QUESTION 99

An administrator needs to change the IP address on a server remotely. After updating the configuration files, a network restart is needed. However, the administrator fears that when the network connection drops, the network restart script will be killed before the new IP address has been set. Which of the following commands would prevent the script from being killed?

- A. nohup service network restart
- B. service network restart &
- C. echo "service network restart" | at now
- D. dg service network restart

**Answer:** A

#### NEW QUESTION 100

An administrator needs to see the type of CPU that a server is running. Which of the following files contains this information?

- A. /proc/cpuinfo
- B. /etc/devices/info.conf
- C. /dev/proc/cpu
- D. /sys/dev/cpuinfo

**Answer:** A

#### NEW QUESTION 103

A systems administrator suspects a process with a PID of 2864 is consuming resources at an alarming rate. The administrator uses the command `renice -n -5 -p2864`, but it does not solve the issue. Which of the following commands should the administrator execute to correct the issue?

- A. `nice -n 5 -p 2864`
- B. `nice -n -5 -p 2864`
- C. `renice -n 10 -p 2864`
- D. `renice -n -10 -p 2864`

**Answer:** D

#### NEW QUESTION 108

An administrator reviews the following configuration file provided by a DevOps engineer:

Tasks:

```
- name:Install php-fpm from repo
  yum:
    name: php-fpm
    state: present
- name:Install mysql from repo
  yum:
    name: mysql-server
    state: present
```

Which of the following would the application parsing this file MOST likely have to support?

- A. YAML
- B. AJAX
- C. JSON
- D. SOAP

**Answer:** C



#### NEW QUESTION 109

An administrator is analyzing a Linux server which was recently hacked. Which of the following will the administrator use to find all unsuccessful login attempts?

- A. nsswitch
- B. faillock
- C. pam\_tally2
- D. passwd

**Answer: C**

#### NEW QUESTION 111

A Linux systems administrator wants the ability to access systems remotely over SSH using RSA authentication. to which of the following files should the RSA token be added to allow this access?

- A. authorized\_keys
- B. ~/.ssh/ssh\_config
- C. id\_rsa.pub
- D. known\_hosts

**Answer: C**

#### NEW QUESTION 116

Which of the following server roles would assign a host IP address?

- A. DHCP
- B. NTP
- C. DNS
- D. SSH

**Answer: A**

#### NEW QUESTION 120

A systems administrator observes high latency values when reaching a remote web server. Which of the following commands will help determine and isolate issues on the network side?

- A. mtr
- B. dig
- C. netstat
- D. route

**Answer: A**

#### NEW QUESTION 121

A system administrator has deployed a Linux server based on an Anaconda process with all packages and custom configurations necessary to install a web server role. Which of the following could be used to install more Linux servers with the same characteristics?

- A. /etc/sysconfig/anaconda/cfg
- B. /root/anaconda.auto
- C. /root/anaconda-ks.cfg
- D. /etc/sysconfig/installation.cfg

**Answer: C**

#### NEW QUESTION 122

Joe, a user, is unable to log in to the server and contracts the systems administrator to look into the issue. The administrator examines the /etc/passwd file and discovers the following entry:

joe:x:505:505::/home/joe:/bin/false

Which of the following commands should the administrator execute to resolve the problem?

- A. usermod -s /bin/bash joe
- B. passwd -u joe
- C. useradd -s /bin/bash joe
- D. chage -E -1 joe

**Answer: B**

#### NEW QUESTION 124

A Linux administrator built a GitLab server. Later that day, a software engineer tried to access the server to upload the repository during the final step of installation. The software engineer could not access the website. Which of the following firewall rules would allow access to this site?

- A. iptables -A INPUT -p tcp -m multiport --dports 80,443 -m conntrack --cstate NEW, ESTABLISHED -j ACCEPT
- B. iptables -A INPUT -p tcp -m multiport --dports 80,443 -m conntrack --cstate ESTABLISHED -j ACCEPT
- C. iptables -A INPUT -p tcp -m multiport --dports 80,443 -m conntrack --cstate RELATED, ESTABLISHED -j ACCEPT
- D. iptables -A INPUT -p tcp -m multiport --dports 80,443 -m conntrack --cstate NEW, ESTABLISHED -j REJECT



**Answer:** C

#### NEW QUESTION 125

A junior systems administrator created a new filesystem /dev/sda1 with mountpoint /data and added it to the /etc/fstab for auto-mounting.

When the systems administrator tries to mount the file system, the system refuses. Given the output below:

```
/dev/mapper/VolGroup00-Log-Vol100 / xfs defaults 0 0
/dev/sda1 /data xfs noauto,dev,sync,ro,nosuid 0 0
/dev/mapper/VolGroup00-Log-Vol101 swap swap defaults0 0
/dev/sda2 /mine ext4 auto,suid,sync,rw,dev 0 0
```

Which of the following steps is necessary?

- A. Change the filesystem from /dev/sda1 to /dev/sda2 and reboot.
- B. Change the options to auto,dev,sync,rw,nosuid and run the mount -a command.
- C. Change the mount point to data and reboot.
- D. Change the dump column to 1 and run the mount -a command.

**Answer:** B

#### NEW QUESTION 128

A technician wants to secure a sensitive workstation by ensuring network traffic is kept within the local subnet. To accomplish this task, the technician executes the following command:

```
echo 0 > /proc/sys/net/ipv4/ip_default_ttl
```

Which of the following commands can the technician use to confirm the expected results? (Choose two.)

- A. tcpdump
- B. traceroute
- C. route
- D. iperf
- E. ip
- F. arp

**Answer:** CF

#### NEW QUESTION 132

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