**Vendor: CompTIA**

**Exam Code: XK0-004**

**Exam Name: CompTIA Linux+ Certification Exam**

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**Q & As: 115**

**QUESTION 1**
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

**Correct Answer:** A

**QUESTION 2**
A server is almost out of free memory and is becoming unresponsive. Which of the following sets of commands will BEST mitigate the issue?

A. free, fack, partprobe
B. lsof, lvcreate, mdadm
C. df, du, rmmod
D. fdisk, mkswap, swapon -a

**Correct Answer:** A

**QUESTION 3**
A Linux administrator needs the "tech" account to have the option to run elevated commands as root. Which of the following commands would BEST meet this goal?

A. $ su -tech -c "/bin/bash"
B. # usermod -aG wheel tech
C. # sudo -l tech
D. # groupadd -u tech -g root

**Correct Answer:** C

**QUESTION 4**
Which of the following will provide a list of all flash, external, internal, and SSD drives?

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

**Correct Answer:** C

**QUESTION 5**
A Linux administrator needs to take stock of USB devices attached to the system. Which of the following commands would be BEST to complete this task?

A. lspci
B. lsusb
C. cat /proc/USB
D. modprobe -usb

**Correct Answer:** B

### QUESTION 6
An administrator is tasked with increasing the size of the volume /dev/vg/lv to 20GB. Which of the following BEST illustrates the steps the administrator should take?

A. vgextend -L20G /dev/vg/lv; resizelv /dev/vg/lv
B. parted -L20G /dev/vg/lv; remount /dev/vg/lv
C. mkfs -L20G /dev/vg/lv; tune2fs /dev/vg/lv
D. lvextend -L20G /dev/vg/lv; resize2fs /dev/vg/lv

**Correct Answer:** D

### QUESTION 7
An engineer is working on a production application deployment that requires changing a web application property file called server.property that is managed by the Git version control system. A cloned copy of the remote repository in which the server.property file exists is on the local desktop computer. The engineer makes appropriate changes to the files, saves it as server.property, and executes git commit -m "changed the property file" server.property. Which of the following commands did the engineer fail to perform?

A. git init server.property
B. git merge server.property
C. git add server.property
D. git push server.property

**Correct Answer:** D

### QUESTION 8
An administrator receives a warning about a file system filling up, and then identifies a large file located at /tmp/largelogfile. The administrator deletes the file, but no space is recovered on the file system. Which of the following commands would BEST assists the administrator in identifying the problem?

A. lsof | grep largelogfile
B. pkill /tmp/largelogfile
C. pgrep largelogfile
D. ps -ef | grep largelogfile

**Correct Answer:** A

### QUESTION 9
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=sysetm_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

**Correct Answer:** A

## QUESTION 10
After starting a long-running script, a systems administrator needs to verify the frequency of what is filling up the /var partition and kill it because it is consuming too much space. Which of the following is the correct sequence given only a terminal is available?

A. 1. CTRL-C2. bg3. watch df /var4. CTRL-C5. fg6. CTRL-Z
B. 1. CTRL-C2. fg3. watch df /var4. CTRL-Z5. bg6. CTRL-Z
C. 1. CTRL-Z2. bg3. watch df /var4. CTRL-C5. fg6. CTRL-C
D. 1. CTRL-Z2. bg3. watch df /var4. CTRL-Z5. fg6. CTRL-C

**Correct Answer:** D

## QUESTION 11
A Linux administrator has configured a Linux system to be used as a router. The administrator confirms that two network adapters are properly installed and functioning correctly. In addition, the output of the iptables -L command appears to contain a complete firewall configuration. Which of the following commands does the administrator need to issue for the router to be fully functional?

A. echo "1" > /proc/sys/net/ipv4/ip_forward
B. echo "0" > /proc/sys/net/ipv4/tcp_abort_on_overflow
C. echo "0" > /proc/sys/net/ipv4/max_connections
D. echo "1" > /proc/sys/net/ipv4/ip_default_ttl

**Correct Answer:** A

## QUESTION 12
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.