

XK0-004 Dumps

CompTIA Linux+ Certification Exam

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NEW QUESTION 1

A Linux administration is using a Linux system as a router. During the tests, the administrator discovers that IP packets are not being sent between the configured interfaces.

Which of the following commands enables this feature for IPv4 networks?

- A. cat /proc/sys/net/ipv4/ip_route > 1
- B. echo "1" > /proc/sys/net/ipv4/ip_forward
- C. echo "1" > /proc/sys/net/ipv4/ip_route
- D. echo "1" > /proc/sys/net/ipv4/ip_net

Answer: B

NEW QUESTION 2

A Linux administrator has installed a web application firewall in front of a web server running on HTTP port 8080 and successfully started the HTTP server. However, after opening the application URL in an Internet browser, the administrator discovered that the application does not work. The administrator performed the following diagnostic steps:

Output of sysctl -a command:

```
kernel.sched_child_runs_first = 0
kernel.panic = 0
kernel.ftrace_enabled = 1
kernel.sysrq = 1
net.ipv4.icmp_echo_ignore_all = 0
```

Output of iptables -L command:

```
ChainINPUT (policyACCEPT)

target    prot    opt    source    destination
ACCEPT    tcp    --    anywhere anywhere    tcp dpt:webcache

Chain FORWARD (policy ACCEPT)

target    prot    opt    source    destination
ACCEPT    tcp    --    anywhere anywhere    dpt:webcache

Chain OUTPUT (policy ACCEPT)

target    prot    opt    source    destination
```

Output of netstat -nltop | grep "8080":

```
tcp    0.0.0.0:8080    0.0.0.0*    Listen    12801/httpd
```

Which of the following is the NEXT step the administrator should perform to permanently fix the issue at the kernel level?

- A. sysctl -w net.ipv4.ip_forward=1 then run sysctl -w /etc/sysctl.conf to enable the change
- B. Edit /etc/sysctl.conf file and add net.ipv4.ip_forward = 1 then run sysctl -p /etc/ sysctl.conf to enable the change
- C. Add iptables rule iptables -A INPUT -m state --state NEW -p tcp --dport 8080 -j then restart httpd daemon
- D. Add iptables rule iptables -A FORWARD-m state --state NEW -p tcp --dport 8080 -j ACCEPT then restart httpd daemon

Answer: D

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 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 5

A junior systems administrator is upgrading a package that was installed on a Red Hat-based system. The administrator is tasked with the following:
Update and install the new package.
Verify the new package version is installed.
Which of the following should be done to BEST accomplish these task? (Choose two.)

- A. yum install <package name>
- B. yum upgrade
- C. rpm -e <package name>
- D. rpm -qa
- E. apt-get <package name>
- F. apt-get upgrade

Answer: AD

NEW QUESTION 6

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

Answer: C

NEW QUESTION 7

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

Answer: A

NEW QUESTION 8

Which of the following is a difference between YAML and JSON?

- A. Users can comment in YAML but not in JSON
- B. JSON only curly brackets, while YAML only uses square brackets
- C. JSON is used in web development, while YAML is used solely in back-end systems.
- D. YAML has been deprecated for JSON.

Answer: A

NEW QUESTION 9

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 10

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 10

Which of the following can be used to boot a DVD from a remote device to initialize a Linux system setup on bare metal hardware as if it is a local DVD?

- A. UEFI
- B. PXE
- C. NFS

D. GRUB

Answer: A

NEW QUESTION 14

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 19

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 20

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 21

An administrator has written the following Bash script:

```
/home/user/test.sh

#!/usr/bin/sh
for i in `cat /home/user/iplist.txt`
do
    nslookup $i
done
echo
```

All necessary files exist in the correct locations. However, when the administrator executes /home/user/test.sh the following error is received:
No such file or directory

Which of the following is the MOST likely cause of the error?

- A. The shebang points to the wrong path.
- B. The script is not executable.
- C. The formatting of the file is incorrect.
- D. Nslookup is not installed.

Answer: A

NEW QUESTION 26

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 30

A four-drive Linux NAS has been improperly configured. Each drive has a capacity of 6TB, for a total storage capacity of 24TB. To reconfigure this unit to be not pluggable for drive replacement and provide total storage of 11TB to 12TB, which of the following would be the correct RAID configuration?
D18912E1457D5D1DDCDBD40AB3BF70D5D

- A. RAID 01
- B. RAID 03
- C. RAID 10
- D. RAID 50

Answer: C

NEW QUESTION 31

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

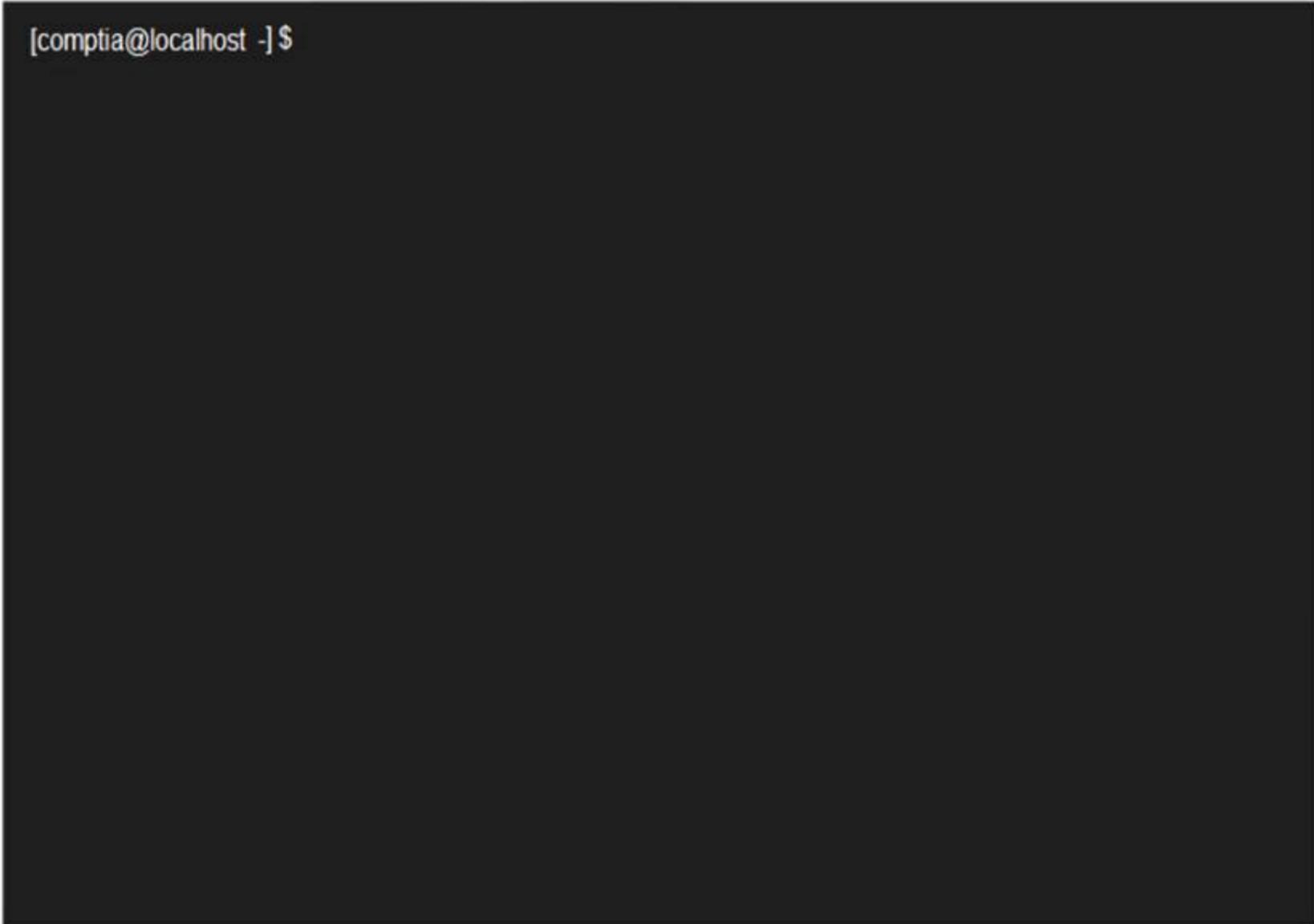
Answer: A

NEW QUESTION 34

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 35

Ann, a junior systems administrator, is required to add a line to the /etc/yum.conf file. However, she receives the following error message when she tries to add the line:

```
root@comptia:~# echo "line" > /etc/yum.conf
-su: /etc/yum.conf: Operation not permitted
```

Ann performs some diagnostics to attempt to find the root cause:

```
root@comptia:~# ls -l /etc/yum.conf
-rw-r--r-- 1 root root 970 Jan 30 2018 /etc/yum.conf
```

```
root@comptia:~# lsattr /etc/yum.conf
----i-----e-- /etc/yum.conf
```

```
root@comptia:~# df -i /etc/yum/conf
Filesystem      Inodes    IUsed    IFree    IUse%    Mounted on
/dev/sda1       524288   192861   331427   37%      /
```

Which of the following commands should Ann execute to write content to /etc/yum?

- A. chmod 755 /etc/yum.conf
- B. setfacl -m m:rw /etc/yum.conf
- C. chattr -l /etc/yum.conf
- D. setenforce 0

Answer: A

NEW QUESTION 39

While creating a file on a volume, the Linux administrator receives the following message: No space left on device. Running the df -m command, the administrator notes there is still 50% of usage left. Which of the following is the NEXT step the administrator should take to analyze the issue without losing data?

- A. Run the df -i command and notice the inode exhaustion
- B. Run the df -h command and notice the space exhaustion
- C. Run the df -B command and notice the block size
- D. Run the df -k command and notice the storage exhaustion

Answer: A

NEW QUESTION 42

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 44

A Linux administrator opens a ticket to have an external hard drive mounted. As a security policy, external storage kernel modules are disabled. Which of the following is the BEST command for adding the proper kernel module to enable external storage modules?

- A. rmmod /lib/modules/3.6.12-100-generic/kernel/drivers/usb/storage/usb-storage.ko
- B. modinfo /lib/modules/3.6.12-100-generic/kernel/drivers/usb/storage/usb-storage.ko
- C. depmod /lib/modules/3.6.12-100-generic/kernel/drivers/usb/storage/usb-storage.ko
- D. insmod /lib/modules/3.6.12-100-generic/kernel/drivers/usb/storage/usb-storage.ko

Answer: D

NEW QUESTION 45

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

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

Answer: A

NEW QUESTION 47

A systems administrator is enabling quotas on the /home directory of a Linux server. The administrator makes the appropriate edits to the /etc/fstab file and attempts to issue the commands to enable quotas on the desired directory. However, the administrator receives an error message stating the filesystem does not support quotas. Which of the following commands should the administrator perform to proceed?

- A. mount -o remount /home
- B. quotacheck -cg
- C. edquota /home
- D. quotaon /home

Answer: D

NEW QUESTION 51

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 55

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 56

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