

XK0-004^{Q&As}

CompTIA Linux+ Certification Exam

Pass CompTIA XK0-004 Exam with 100% Guarantee

Free Download Real Questions & Answers **PDF** and **VCE** file from:

<https://www.pass2lead.com/xk0-004.html>

100% Passing Guarantee
100% Money Back Assurance

Following Questions and Answers are all new published by CompTIA
Official Exam Center

-  **Instant Download** After Purchase
-  **100% Money Back** Guarantee
-  **365 Days** Free Update
-  **800,000+** Satisfied Customers



QUESTION 1

A systems administrator notices a large number of autoloaded device modules are no longer needed and decides to do a cleanup of them. Which of the following commands will accomplish this task?

- A. `rmmod -c`
- B. `depmod -r`
- C. `insmod -c`
- D. `modprobe -r`

Correct Answer: D

Reference: <http://ccrma.stanford.edu/planetccrma/man/man8/modprobe.8.html>

QUESTION 2

A systems administrator manually added a new library to the server. The administrator wants to rebuild the library cache for immediate use. Which of the following commands should the systems administrator run to achieve this goal?

- A. `make install`
- B. `ldconfig`
- C. `make`
- D. `ldd`

Correct Answer: B

QUESTION 3

An administrator notices a directory on a web server named `/var/www/html/old_reports` that should no longer be accessible on the web. Which of the following commands will accomplish this task?

- A. `chmod 000 /var/www/html/old_reports`
- B. `chgrp root /var/www/html/old_reports`
- C. `chown apache /var/www/html/old_reports`
- D. `setenforce apache /var/www/html/old_reports`

Correct Answer: D

QUESTION 4

A systems administrator must clean up all application files in the directory `/var/log/app`. However, the company's security policy requires the files to be kept on the backup server for one year. The Linux server has only the `tar` and `bzip2` packages installed.

Which of the following commands will package and compress the files?

- A. `tar -zcvf applicationfiles.tar.bz2 /var/log/app/*`
- B. `tar -jcvf applicationfiles.tar.bz2 /var/log/app/*`
- C. `tar -cvf applicationfiles.tar.bz2 /var/log/app/*`
- D. `tar -xvf applicationfiles.tar.bz2 /var/log/app/*`

Correct Answer: B

QUESTION 5

A Linux administrator needs to know the MAC address of the server's gateway.

Which of the following commands should the administrator run to obtain this information?

- A. `arp -gw`
- B. `arp -a`
- C. `arp -gwi`
- D. `arp -gtw`

Correct Answer: B

QUESTION 6

Given that a company's policy states that users cannot install third-party tools on Windows servers, which of the following protocols will allow a Linux GUI to connect to a Windows server?

- A. VNC
- B. NX
- C. RDP
- D. X11

Correct Answer: A

Reference: <https://phoenixnap.com/kb/ssh-to-connect-to-remote-server-linux-or-windows>

QUESTION 7

A systems administrator has set up third-party log aggregation agents across several cloud instances. The systems administrator wants to create a dashboard of failed SSH attempts and the usernames used. Which of the following files should be watched by the agents?

- A. /var/log/audit/audit.log
- B. /var/log/kern.log
- C. /var/log/monitor
- D. /etc/rsyslog.conf

Correct Answer: A

QUESTION 8

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/testvol
```
- C.

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

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

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

Correct Answer: A

QUESTION 9

A customer reports a Linux production server is randomly suffering degraded performance. The administrator verifies that the sysstat package is installed and enabled on the server. Which of the following would BEST determine what is causing the impact on performance?

- A. Create a cron job that runs uptime every 15 minutes to collect historical data of the load average of the system.
- B. Leave a ping running overnight from a laptop to the server to catch any latency encountered.
- C. Analyze the data in /var/log/sa using the sar command.
- D. Open a screen session and run top inside of it. Let it run over night and collect the data.

Correct Answer: C

QUESTION 10

An administrator needs to generate a list of services that are listening on TCP and/or UDP ports. Which of the following tools should the administrator use?

- A. ethtool
- B. route
- C. netstat
- D. portmap

Correct Answer: C

Reference: <https://www.tecmint.com/find-open-ports-in-linux/>

QUESTION 11

DRAG DROP

You have been asked to parse a log file of logins to determine various information about who is logging in and when.

INSTRUCTIONS

Open and inspect the Login log file.

Drag and drop the correct commands onto the output that was generated from that command.

Tokens can be used only once and not all will be used.

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

Select and Place:

Command Output

View Login Log

Commands

```
grep "Mar 13" lastlog
tr "[A-Z]" "[a-z]" < lastlog | grep -i "mar 12"
awk '{ print toupper($0) }' lastlog
tr "[a-z]" "[A-Z]" < lastlog | grep -i "mar 12"
awk '{ print $1 }' lastlog | sort | uniq
awk '{ print $1 }' lastlog | uniq
awk '{ print $2 }' lastlog | sort | uniq
grep lastlog "Mar 13"
grep Mar 13 lastlog
awk '{ print $1 }' lastlog | sort | uniq -c
grep "Mar13" lastlog
grep -i "mar 12" lastlog | sed 's/[a-z]/[A-Z]/g'
```

```
[comptia@localhost exercise]$
eric pts/3 :0 Mon Mar 13 10:52 - 08:48 (1+12:50)
david pts/3 :0 Mon Mar 13 10:52 - 08:48 (1+12:50)
ann pts/3 :0 Mon Mar 13 10:52 - 08:48 (1+12:50)
chris pts/3 :0 Mon Mar 13 10:52 - 08:48 (1+12:50)
carl pts/3 :0 Mon Mar 13 10:52 - 08:48 (1+12:50)
joe pts/3 :0 Mon Mar 13 10:52 - 08:48 (1+12:50)
lee pts/3 :0 Mon Mar 13 10:52 - 08:48 (1+12:50)
```

```
[comptia@localhost exercise]$
COMPTIA PTS/1 :0 Sun Mar 12 14:20 - 09:48 (1+19:28)
CHRIS PTS/2 :0 Sun Mar 12 14:52 - 09:48 (1+18:56)
REBOOT SYSTEM BOOT 3.10.0-693.21.1. Sun Mar 12 11:01 - 13:26 (2+02:24)
LEE PTS/2 :0 Sun Mar 12 14:52 - 09:48 (1+18:56)
COMPTIA PTS/0 :0 Sun Mar 12 14:14 - 14:22 (00:07)
ERIC PTS/2 :0 Sun Mar 12 14:52 - 09:48 (1+18:56)
COMPTIA PTS/0 :0 Sun Mar 12 11:37 - 11:58 (00:20)
REBOOT SYSTEM BOOT 3.10.0-693.21.1. Sun Mar 12 11:02 - 13:26 (2+02:23)
DAVID PTS/2 :0 Sun Mar 12 14:52 - 09:48 (1+18:56)
COMPTIA PTS/0 :0 Sun Mar 12 09:53 - 10:59 (01:05)
COMPTIA :0 :0 Sun Mar 12 11:01 - 11:01 (00:00)
REBOOT SYSTEM BOOT 3.10.0-693.21.1. Sun Mar 12 10:59 - 13:26 (2+02:26)
COMPTIA :0 :0 Sun Mar 12 11:03 - 13:26 (2+02:22)
COMPTIA PTS/2 :0 Sun Mar 12 14:52 - 09:48 (1+18:56)
ANN PTS/2 :0 Sun Mar 12 14:52 - 09:48 (1+18:56)
CARL PTS/2 :0 Sun Mar 12 14:52 - 09:48 (1+18:56)
REBOOT SYSTEM BOOT 3.10.0-693.EL7.X Sun Mar 12 09:39 - 10:59 (01:19)
JOE PTS/2 :0 Sun Mar 12 14:52 - 09:48 (1+18:56)
COMPTIA :0 :0 Sun Mar 12 09:43 - DOWN (01:15)
COMPTIA PTS/0 :0 Sun Mar 12 11:04 - 11:34 (00:30)
```

```
[comptia@localhost exercise]$
ann
carl
chris
comptia
david
eric
joe
lee
reboot
```

Correct Answer:

Command Output

View Login Log

Commands

awk '{ print toupper(\$0) }' lastlog

awk '{ print \$1 }' lastlog | sort | uniq

tr "[a-z]" "[A-Z]" < lastlog | grep -i "mar 12"

awk '{ print \$2 }' lastlog | sort | uniq

grep lastlog "Mar 13"

grep Mar 13 lastlog

awk '{ print \$1 }' lastlog | sort | uniq -c

grep "Mar13" lastlog

grep -i "mar 12" lastlog | sed 's/[a-z]/[A-Z]/g'

```
[comptia@localhost exercise]$ awk '{ print $1 }' lastlog | uniq
eric pts/3 :0 Mon Mar 13 10:52 - 08:48 (1+12:50)
david pts/3 :0 Mon Mar 13 10:52 - 08:48 (1+12:50)
ann pts/3 :0 Mon Mar 13 10:52 - 08:48 (1+12:50)
chris pts/3 :0 Mon Mar 13 10:52 - 08:48 (1+12:50)
carl pts/3 :0 Mon Mar 13 10:52 - 08:48 (1+12:50)
joe pts/3 :0 Mon Mar 13 10:52 - 08:48 (1+12:50)
lee pts/3 :0 Mon Mar 13 10:52 - 08:48 (1+12:50)
```

```
[comptia@localhost exercise]$ grep "Mar 13" lastlog
COMPTIA PTS/1 :0 Sun Mar 12 14:20 - 09:48 (1+19:28)
CHRIS PTS/2 :0 Sun Mar 12 14:52 - 09:48 (1+18:56)
REBOOT SYSTEM BOOT 3.10.0-693.21.1. Sun Mar 12 11:01 - 13:26 (2+02:24)
LEE PTS/2 :0 Sun Mar 12 14:52 - 09:48 (1+18:56)
COMPTIA PTS/0 :0 Sun Mar 12 14:14 - 14:22 (00:07)
ERIC PTS/2 :0 Sun Mar 12 14:52 - 09:48 (1+18:56)
COMPTIA PTS/0 :0 Sun Mar 12 11:37 - 11:58 (00:20)
REBOOT SYSTEM BOOT 3.10.0-693.21.1. Sun Mar 12 11:02 - 13:26 (2+02:23)
DAVID PTS/2 :0 Sun Mar 12 14:52 - 09:48 (1+18:56)
COMPTIA PTS/0 :0 Sun Mar 12 09:53 - 10:59 (01:05)
COMPTIA :0 :0 Sun Mar 12 11:01 - 11:01 (00:00)
REBOOT SYSTEM BOOT 3.10.0-693.21.1. Sun Mar 12 10:59 - 13:26 (2+02:26)
COMPTIA :0 :0 Sun Mar 12 11:03 - 13:26 (2+02:22)
COMPTIA PTS/2 :0 Sun Mar 12 14:52 - 09:48 (1+18:56)
ANN PTS/2 :0 Sun Mar 12 14:52 - 09:48 (1+18:56)
CARL PTS/2 :0 Sun Mar 12 14:52 - 09:48 (1+18:56)
REBOOT SYSTEM BOOT 3.10.0-693.EL7.X Sun Mar 12 09:39 - 10:59 (01:19)
JOE PTS/2 :0 Sun Mar 12 14:52 - 09:48 (1+18:56)
COMPTIA :0 :0 Sun Mar 12 09:43 - DOWN (01:15)
COMPTIA PTS/0 :0 Sun Mar 12 11:04 - 11:34 (00:30)
```

```
[comptia@localhost exercise]$ tr "[A-Z]" "[a-z]" < lastlog | grep -i "mar 12"
ann
carl
chris
comptia
david
eric
joe
lee
reboot
```

QUESTION 12

After connecting a USB drive, the system is unable to detect it. There is no entry in /dev, and there is no information in the message log. Which of the following is the issue?

- A. The USB drive is formatted as a DVD
- B. The USB drive is not formatted
- C. The kernel module is not installed
- D. The permissions of /dev/usb are incorrect

Correct Answer: B

Reference: <https://www.makeuseof.com/tag/fix-usb-device-port-linux/>

QUESTION 13

An administrator needs to create a file named hello in the home directory that contains the following text:

it\\'s me!

Which of the following commands would accomplish this goal?

- A. `mkdir ~/hello touch ~/it\\'s me!"`
- B. `touch ~/hello echo "it\\'s me!" > ~/hello`
- C. `mv ~/hello cp "it\\'s me!" > ~/hello`
- D. `type ~/hello print "it\\'s me!"`

Correct Answer: A

QUESTION 14

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:


```
Chain INPUT (policy ACCEPT)
```

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

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

- 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

Correct Answer: D

QUESTION 15

A junior Linux administrator receives a request to add a user, Ann, to the secondary group "cashiers". Ann is also a member of the secondary group, "managers". The administrator issues the following command:

```
usermod -G cashiers Ann
```

Later, Ann reports that she is unable to access any of the files or directories in "managers".

Which of the following commands should the administrator issue to resolve Ann's group memberships?

- A. `usermod -G cashiers,managers Ann`
- B. `usermod -g cashiers,managers Ann`
- C. `groupmod -G Ann cashiers,managers`

D. groupmod -ga Ann cashiers,managers

Correct Answer: C

[XK0-004 VCE Dumps](#)

[XK0-004 Practice Test](#)

[XK0-004 Braindumps](#)