

XK0-004 Dumps

CompTIA Linux+ Certification Exam

<https://www.certleader.com/XK0-004-dumps.html>



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 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 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; resize lv /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

Answer: D

NEW QUESTION 7

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 8

A Linux administrator implemented a new HTTP server using the default configuration. None of the users on the network can access the server. If there is no problem on the network or with the users' workstations, which of the following steps will BEST analyze and resolve the issue?

- A. Run netstat to ensure the port is correctly bound, and configure the firewall to allow access on ports 80 and 443
- B. Run route to ensure the port is correctly bound, and configure the firewall to allow access on ports 80 and 443
- C. Run netcat to ensure the port is correctly bound, and configure a static route to the web to allow access on ports 80 and 443
- D. Run route to ensure the port is correctly bound, and configure SELinux to allow access on ports 80 and 443

Answer: C

NEW QUESTION 9

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

"\$e"

pgrep

repeat

/tmp/tempfile

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/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 "$1" > /tmp/tmpfile

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

NEW QUESTION 10

Ann, a junior Linux administrator, needs to copy software from her local machine to assist in developing a software application on a remote machine with the IP address 192.168.3.22. The file needs to be placed on the /tmp directory. After downloading the RPM to the local machine, which of the following commands would be BEST to use to copy the software?

- A. scp ~/software.rpm USER@192.168.3.22:/tmp
- B. scp ~/software.rpm USER@192.168.3.22: /tmp
- C. wget USER@192.168.3.22:/tmp -f ~/software.rpm
- D. scp USER@192.168.3.22 ~/software.rpm :/tmp

Answer: C

NEW QUESTION 10

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 11

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 13

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

A systems administrator wants to deploy several applications to the same server quickly. Each application should be abstracted from the host with its own dependencies and libraries and utilize a minimal footprint.

Which of the following would be BEST in this scenario?

- A. Virtual machines
- B. Type 2 hypervisor
- C. Chroot jails
- D. Containers

Answer: D

NEW QUESTION 15

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 20

A systems administrator needs to retrieve specific fields from a csv file. Which of the following tools would accomplish this task?

- A. awk
- B. sort
- C. print
- D. echo

Answer: A

NEW QUESTION 23

A junior systems administrator is creating a cron job. The cron job requirements are as follows: Run the hello.sh script every hour (24 times in one day). Run it on Monday only.

Given this scenario, which of the following crontab options should be configured to meet these requirements?

- A. 0 *** 1 hello.sh
- B. 0 24 ** Monday hello.sh
- C. 24 *** Monday hello.sh
- D. 1 *** 0 hello.sh

Answer: C

NEW QUESTION 28

A company wants to ensure that all newly created files can be modified only by their owners and that all new directory content can be changed only by the creator of the directory. Which of the following commands will help achieve this task?

- A. umask 0022
- B. umask 0012
- C. chmod -R 0644 /
- D. chmod -R 0755 /

Answer: A

NEW QUESTION 29

A Linux server has multiple IPs. A Linux administrator needs to verify if the HTTP server port is bound to the correct IP. Which of the following commands would BEST accomplish this task?

- A. route
- B. host
- C. nslookup
- D. netstat
- E. ip

Answer: D

NEW QUESTION 32

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 37

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 41

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 44

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`

Answer: B

NEW QUESTION 49

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 53

An administrator is troubleshooting an application that has failed to start after the server was rebooted. Noticing the data volume is not mounted, the administrator attempts to mount it and receives this error:

```
[root@localhost comptia]# mount /dev/datavg/datalv /data
mount: special device /dev/datavg/datalv does not exist
```

Upon checking the logical volume status, the administrator receives this information:

```
[root@localhost comptia]# lvs
LV VG Attr LSize Pool Origin Data% Meta% Move Log Cpy%Sync Convert
root centos -wi-ao---- <6.20g
swap centos -wi-ao---- 820.00m
datalv datavg -wi----- 500.00m
[root@localhost comptia]#
```

Which of the following can be said about the data logical volume, and how can this problem be resolved?

- A. The logical volume is not activ
- B. The administrator should make it active with lvchange -ay /dev/ datavg/datalv and then mount it.
- C. The logical volume file system has become corrupte
- D. The administrator should repair it with xfs_repair/dev/datavg/datalv and then mount it.
- E. The logical volume is OK but the /dev special files are missin
- F. The administrator should recreate them by running /dev/MAKEDEV.
- G. The file system is read-onl
- H. The administrator should remount it as read-write with the command mount - o remount.rw /data.

Answer: A

NEW QUESTION 56

A systems administrator has received reports of intermittent network connectivity to a particular website. Which of the following is the BEST command to use to characterize the location and type of failure over the course of several minutes?

- A. mtr www.comptia.org
- B. tracer www.comptia.org
- C. ping www.comptia.org
- D. netstat www.comptia.org

Answer: B

NEW QUESTION 58

A Linux systems administrator needs to set permissions on an application with the following parameters: The owner of the application should be able to read, write, and execute the application.

Members of the group should be able to read and execute the application. Everyone else should not have access to the application.

Which of the following commands would BEST accomplish these tasks?

- A. chmod 710 <application name>
- B. chmod 730 <application name>
- C. chmod 750 <application name>
- D. chmod 760 <application name>

Answer: D

NEW QUESTION 59

A Linux storage administrator wants to create a logical volume group. Which of the following commands is required to start the process?

- A. pvcreate
- B. vgcreate
- C. lvcreate
- D. mkfs.xfs

Answer: B

NEW QUESTION 60

A systems administrator is configuring options on a newly installed Linux VM that will be deployed to the Pacific time zone. Which of the following sets of commands should the administrator execute to accurately configure the correct time settings?

- A. cd /etcln -s /usr/share/zoneinfo/US/Pacific localtime
- B. cd /usr/localln -s /usr/share/zoneinfo/US/Pacific zoneinfo
- C. cd /etc/localln -s /usr/share/zoneinfo/US/Pacific localtime
- D. cd /usr/share/localln -s /usr/share/zoneinfo/US/Pacific localectl

Answer: A

NEW QUESTION 64

A Linux systems administrator needs to copy the contents of a directory named “working” on the local working system to a folder /var/www/html on a server named “corporate-web”.

Which of the following commands will allow the administrator to copy all the contents to the web server?

- A. scp -r working/* webuser@corporate-web:/var/www/html
- B. tar working/* webuser@corporate-web:/var/www/html
- C. cp -r working/* webuser@corporate-web:/var/www/html
- D. mv working webuser@corporate-web:/var/www/html

Answer: A

NEW QUESTION 68

A junior Linux administrator is setting up system-wide configuration settings. The goal is to ensure the PATH environment variable includes the following locations for all users who log into a Linux system.

```
/usr/local/bin
```

```
/usr/local/sbin
```

The administrator issues the following commands at the terminal:

```
echo $PATH
```

```
cat /etc/profile
```

Respectively, the output of these commands is as follows:

```
/usr/bin:/usr/sbin:/sbin:/bin
```

```
# /etc/profile: system-wide .profile file for the Bourne shell (sh(1))
```

```
# and Bourne compatible shells (bash(1), ksh(1), ash(1), ...).
```

```
if [ `id -u` -eq 0 ]; then
```

```
PATH="/usr/bin:/usr/sbin:/sbin:/bin"
```

```
else
```

```
PATH="/usr/local/games"
```

```
fi
```

```
export PATH
```

Given this output, which of the following would be the BEST action for the administrator to perform to address this issue?

- A. Update the /etc/profile.d file using a text editor, navigate to the PATH element add the missing locations, and run the bash_completion.sh script to update the changes.
- B. Update the /etc/profile file using a text editor, navigate to the PATH element, add the missing locations and run the . /etc/profile command to update the changes.
- C. Update the /etc/profile.d file using a text editor, navigate to the PATH element, add the missing locations, and reboot to update the changes.
- D. Update the /etc/profile file using a text editor navigate to the PATH element, add the missing locations, and restart the bash process to update the changes.

Answer: B

NEW QUESTION 69

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 72

Two specific users need access to a directory owned by root where backups are located. Which of the following commands would BEST ensure the specified users can access the backup files?

- A. umask
- B. chcon
- C. chmod
- D. setfacl

Answer: D

NEW QUESTION 76

.....

Thank You for Trying Our Product

* 100% Pass or Money Back

All our products come with a 90-day Money Back Guarantee.

* One year free update

You can enjoy free update one year. 24x7 online support.

* Trusted by Millions

We currently serve more than 30,000,000 customers.

* Shop Securely

All transactions are protected by VeriSign!

100% Pass Your XK0-004 Exam with Our Prep Materials Via below:

<https://www.certleader.com/XK0-004-dumps.html>