

CompTIA

Exam Questions XK0-004

CompTIA Linux+ Certification Exam



NEW QUESTION 1

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 2

A junior systems is configuring localization option environment variables. The administrator is given a checklist of tasks with the following requirements:
View current settings of the LC_ALL environment variable only. Modify the LANG environment variable to US English Unicode.
Given this scenario, which of the following should be performed to meet these requirements? (Choose two.)

- A. echo \$LC_ALL
- B. locale
- C. cat \$LC_ALL
- D. export LANG = en_US.UTF-8
- E. export \$LANG = en_US.UTF
- F. stty

Answer: BD

NEW QUESTION 3

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 4

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 5

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 6

Which of the following would be the BEST solution for a systems administrator to access the graphical user environment of a Linux machine remotely?

- A. VNC
- B. KDE
- C. X11

D. RPC

Answer: A

NEW QUESTION 7

A Linux administrator wants to fetch a Git repository from a remote Git server. Which of the following is the BEST command to perform this task?

- A. git checkout
- B. git clone
- C. git merge
- D. git config

Answer: B

NEW QUESTION 8

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 9

Which of the following is the BEST reason for not storing database files in the /var directory?

- A. The /var filesystem is not fast enough for database files.
- B. The number of files in /var is limited by the available inodes.
- C. Files in /var do not have strict file permissions.
- D. If log files fill up /var, it might corrupt the database.

Answer: D

NEW QUESTION 10

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 10

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 14

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 17

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 21

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 22

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 25

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 29

A new corporate policy states that Bluetooth should be disabled on all company laptops. Which of the following commands would disable the use of Bluetooth?

- A. echo "blacklist bluetooth" > /etc/modprobe.d/blacklist-bluetooth
- B. echo "kill bluetooth" > /etc/modprobe.d/kill-bluetooth
- C. echo "modprobe bluetooth" > /etc/modprobe.d/modprobe-bluetooth
- D. echo "rmmod bluetooth" > /etc/modprobe.d/rmmod-bluetooth

Answer: C

NEW QUESTION 33

An administrator notices that a long-running script, /home/user/script.sh, is taking up a large number of system resources. The administrator does not know the script's function. Which of the following commands should the administrator use to minimize the script's impact on system resources?

- A. renice
- B. kill
- C. bg
- D. nohup

Answer: A

NEW QUESTION 38

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 43

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 47

Which of the following are Linux desktop managers? (Choose two.)

- A. KDE
- B. GNOME
- C. GUI
- D. VNC
- E. X11
- F. SPICE

Answer: AB

NEW QUESTION 49

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 50

After installing a new web server, you are unable to browse to the default web page. INSTRUCTIONS

Review all the command output and select the command needed to remediate the issue.

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

Commands	Answer
<pre>[root@webserver log]# getenforce [root@webserver log]# getsebool -a grep httpd [root@webserver log]# netstat -antp [root@webserver log]# ss -antp [root@webserver log]# ps -ef grep nginx [root@webserver log]# grep avc /var/log/audit/audit.log [root@webserver log]# more /var/log/web/access_log [root@webserver log]# more /var/log/web/error_log [root@webserver log]# ls -la [root@webserver log]# journalctl -u nginx -l [root@webserver log]# systemctl status webserver [root@webserver log]# sealer</pre>	<pre>[root@webserver log]# systemctl restart nginx setsebool -P httpd_read_user_content =1 restorecon -rv /home/comptia/html kill -HUP 3431 sysctl -w net.ipv4 ip_forward = 1 chown -R comptia: /home/comptia/html/ firewall-cmd --zone=public --service=http --permanent chmod 777 /home/comptia/html/ setfacl -m g:comptia:rwX /home/comptia/html/ cp -R /home/comptia/html /var/www/html</pre>

Output

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Commands	Answer
<pre>[root@webserver log]# getenforce [root@webserver log]# getsebool -a grep httpd [root@webserver log]# netstat -antp [root@webserver log]# ss -antp [root@webserver log]# ps -ef grep nginx [root@webserver log]# grep avc /var/log/audit/audit.log [root@webserver log]# more /var/log/web/access_log [root@webserver log]# more /var/log/web/error_log [root@webserver log]# ls -la [root@webserver log]# journalctl -u nginx -l [root@webserver log]# systemctl status webserver [root@webserver log]# sealer</pre>	<pre>[root@webserver log]# systemctl restart nginx setsebool -P httpd_read_user_content =1 restorecon -rv /home/comptia/html kill -HUP 3431 sysctl -w net.ipv4 ip_forward = 1 chown -R comptia: /home/comptia/html/ firewall-cmd --zone=public --service=http --permanent chmod 777 /home/comptia/html/ setfacl -m g:comptia:rwX /home/comptia/html/ cp -R /home/comptia/html /var/www/html</pre>

Output

NEW QUESTION 54

Which of the following is the template for the grub.cfg file?

- A. /etc/default/grub
- B. /etc/grub2.cfg
- C. /etc/sysct1.conf
- D. /boot/efi

Answer: A

NEW QUESTION 55

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 57

A junior administrator of a physical server receives log messages indicating the out-of-memory killer has been active. All memory slots are in use on the motherboard, but additional disk space is available. Space has been allocated for a swap file.

Which of the following should the administrator use to reduce the output of memory messages?

- A. free : swapoff / swapfile ; swapon -a
- B. mkswap /swapfile; swapon -a
- C. fallocate -l 2G /swapfile && swapon -a
- D. echo “1” > /proc/meminfo ; swapon / swapfile

Answer: A

NEW QUESTION 59

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