CompTIA

Exam Questions XK0-004

CompTIA Linux+ Certification Exam

NEW QUESTION 1
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 2
Given that a company's policy states that users cannot install third-party tools on Window 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

Answer: A

NEW QUESTION 3
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 4
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

Answer: D

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 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/*

Answer: C

NEW QUESTION 7
A Linux administrator is setting up a testing environment and needs to connect to a separate testing server using the production server name. The administrator needs to override the hostname that the DNS is returning in order to use the test environment. Which of the following commands should be run on each of the testing systems to BEST meet this goal?

A. # hostnamectl set-hostname "192.168.1.100 production.company.com"
B. # grep –i IP "${ip addr show} production.company.com" > /etc/resolv.conf
C. # ip addr add 192.168.1.100/24 dev eth0 && rndc reload production.company.com
D. # echo "192.168.1.100 production.company.com" >> /etc/hosts

Answer: A

NEW QUESTION 8
A user, jsmith, needs access to database files located on a server. Which of the following will add jsmith to the "dba" group and preserve existing group memberships?

A. usermod –a –G dba jsmith
B. usermod –g dba jsmith
C. useradd –g dba jsmith
D. groupmod dba –u jsmith

Answer: AC

Explanation:
According to the reference given below. Both AC is correct.

NEW QUESTION 9
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 10
A Linux systems administrator is setting up SSH access with PKI for several using their newly created RSA keys. Which of the following MOST securely achieves this task?

A. Use curl to copy each user's public key file to the respective system
B. Use cp to copy each user's public key file to the respective system
C. Use ssh-copy-id to copy each user's public key file to the respective system
D. Use ssh-copy-id to copy each user's private key file to the respective system

Answer: C

NEW QUESTION 10
A junior Linux administrator is installing a new application with CPU architecture requirements that have the following specifications:
x64 bit 3.0GHz speed
Minimum quad core
The administrator wants to leverage existing equipment but is unsure whether the requirements of these systems are adequate. The administrator issues the following command cat/proc/cpuinfo. The output of the command is as follows:

```
processor:       0

vendor_id:       GenuineIntel

cpu_family:      x64

model:           58

model name:      Intel (R) Core(TM) i7-3687U @2.10 GHz

stepping:        9

microcode:       0x1c

cpu MHz:         2593.84

cache size:      4096KB

siblings:        1

core id:         0

cpd cores:       4
```

Which of the following is the recommended course of action the administrator should take based on this output?

A. Install the application, as the system meets the application requirements
B. Procure new equipment that matches the recommended specifications
C. Recompile the Linux kernel to support the installation.
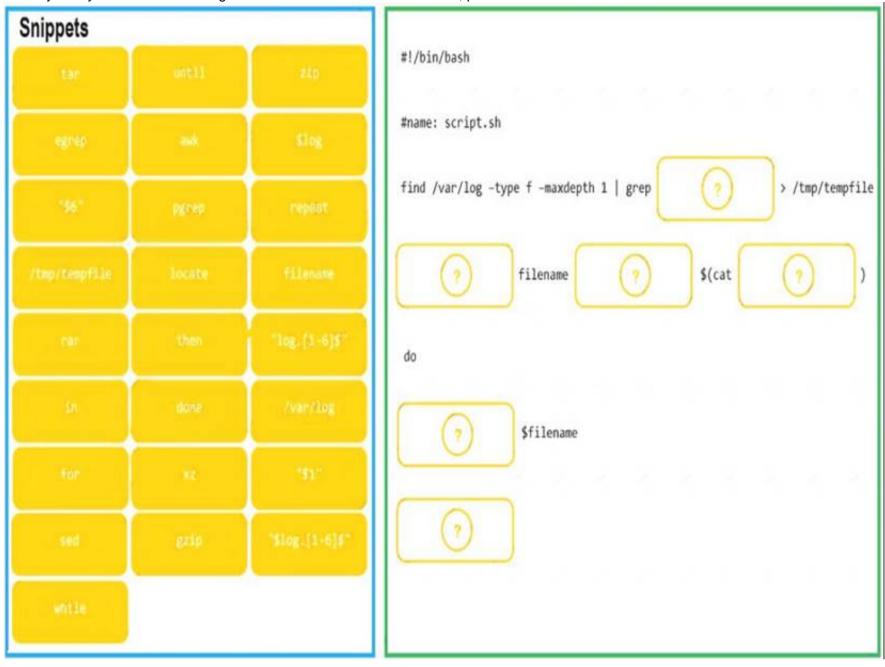D. Reconfigure lib modules to support the new application.

Answer: A

NEW QUESTION 13
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
"$6"	pgrep	repeat
/tmp/tempfile	locate	filename
rar	then	"log.[1-6]$"
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
"$6"       pgrep      repeat
/tmp/tempfile   locate   filename
rar        then       "log.[1-6]$"
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 [ "$1" ] > /tmp/tempfile

for  filename  in  $(cat [ /tmp/tempfile ] )

do

gzip  $filename

done
```

NEW QUESTION 18
The development team has automated their software build process so each time a change is submitted to the source code repository, a new software build is compiled. They are requesting that the Linux operations team look into automating the deployment of the software build into the test environment. Which of the following is the benefit to the development team for implementing deployment automation?

A. To ensure the build commits are also deployed to the test environment
B. To enable notifications when builds are deployed to the test environment
C. To ensure software builds in test are not accidentally deployed to production
D. To streamline the deployment process for deploying builds into test environments

Answer: D

NEW QUESTION 23
A system 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

Answer: D

NEW QUESTION 28
Which of the following configuration management tools is considered agentless?

A. Ouppet
B. Salt
C. Ansible
D. Chef

Answer: C

NEW QUESTION 29
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

Answer: A

NEW QUESTION 31
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 35
Given the output below:

```
drwxr-xr-x. 4096  user1  user1  Documents

drwxr-xr-x. 4096  user1  user1  Music

lrwxrwxrwx. 1     root   root   MyPhoto.jpg ->/Pictures/photo.jpg

drwxr-xr-x. 4096  user1  user1  Pictures

-rw-r--r--. 256   user1  user1  text.txt

-rw-r--r--. 35    user1  user1  tmp.tmp
```

Which of the following commands can be used to remove MyPhoto.jpg from the current directory?

A. unlink ./MyPhoto.jpg
B. del Pictures/photo.jpg
C. rm –rf ./Pictures
D. rm –f MyPhoto.jpg
E. ln –rm ./Pictures/photo.jpg

Answer: E

NEW QUESTION 39
Which of the following commands would show the default printer on a Linux system?

A. lpr
B. lpq
C. lpstat
D. lspci

Answer: B

NEW QUESTION 41
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 42
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 44
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 45
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 50

A systems administrator has finished building a new feature for the monitoring software in a separate Git branch.
Which of the following is the BEST method for adding the new feature to the software's master branch?

A. Merge the changes from the feature branch to the master branch.
B. Save the changes to the master branch automatically with each Git commit.
C. Clone the feature branch into the master branch.
D. Pull the changes from the feature branch into the master branch.

Answer: A

NEW QUESTION 53
A Linux administrator needs to back up the folder /usr/domain, and the output must be a gzip compressed tar. Which of the following commands should be used?

A. tar –cv domain.tar.gz /usr/domain
B. tar –cvf /usr/domain domain.tar.gz
C. tar –czvf domain.tar.gz /usr/domain
D. tar –cxzv /usr/domain domain.tar.gz

Answer: C

NEW QUESTION 56
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 61
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 65
A Linux administrator installed a new network adapter and temporarily disabled the network service from starting on boot. The partial output of chkconfig is as follows:

```
network 0:off   1:off   2:off   3:off   4:off   5:off   6:off
```

Which of the following commands BEST describes how the administrator should re-enable the network service?

A. chkconfig --level 0 network on
B. chkconfig --level 0-6 network on
C. chkconfig --level 6 network on
D. chkconfig --level 12 network on
E. chkconfig --level 345 network on

Answer: E

NEW QUESTION 70
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 73

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 78
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 79
A Linux administrator is using a public cloud provider to host servers for a company's website. Using the
provider's tools, the administrator wrote a JSON file to define how to deploy the servers. Which of the following techniques did the administrator use?

A. Infrastructure as code
B. Build automation
C. Platform as a service
D. Automated configuration

Answer: B

NEW QUESTION 81
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?
D18912E1457D5D1DDCBD40AB3BF70D5D

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

Answer: C

NEW QUESTION 85
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 89
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 90
A Linux administrator needs to schedule a cron job to run at 1:15 p.m. every Friday to report the amount of free disk space on the system and to send the output to a file named "freespace". Which of the following would meet this requirement?

A. 13 15 * * 5 df > /freespace
B. 15 13 * * 5 df > /freespace
C. 15 1 * * 6 df > /freespace
D. 15 13 6 * * df > /freespace

Answer: A

NEW QUESTION 94
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 99
A Linux administrator needs to remotely update the contents of the www.comptia.org/contacts URL.
Which of the following commands would allow the administrator to download the current contents of the URL before updating?

A. curl www.comptia.org/contacts
B. dig www.comptia.org/contacts
C. apt-get www.comptia.org/contacts
D. yum list www.comptia.org/contacts

Answer: A

NEW QUESTION 104
An operator finds a user is having issues with opening certain files.
Which of the following commands would allow the security administrator to list and check the SELinux context?

A. ls –D
B. ls –a
C. ls –Z
D. ls -1

Answer: C

NEW QUESTION 109
Which of the following is the purpose of the monitoring server role?

A. To aggregate web traffic to watch which websites employees are visiting
B. To collect status and performance information about the servers in an environment
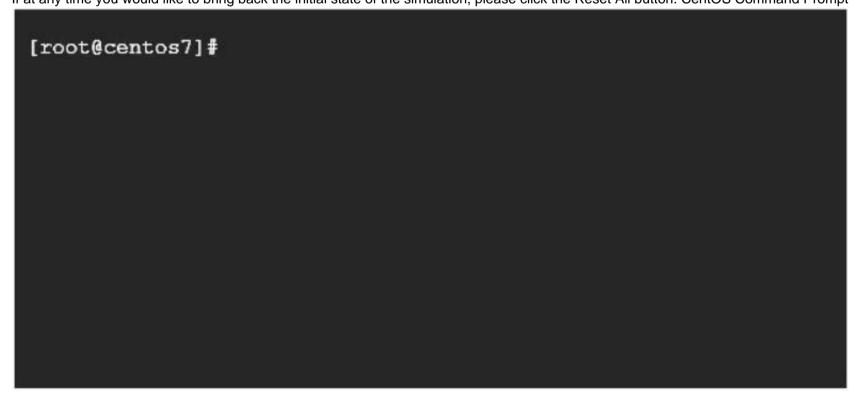C. To provide user authentication services to a network
D. To provide real-time analysis of potential threats to the organization

Answer: B

NEW QUESTION 110
A junior system administrator had trouble installing and running an Apache web server on a Linux server. You have been tasked with installing the Apache web server on the Linux server and resolving the issue that prevented the junior administrator from running Apache.
INSTRUCTIONS
Install Apache and start the service. Verify that the Apache service is running with the defaults. Typing "help" in the terminal will show a list of relevant commands.
If at any time you would like to bring back the initial state of the simulation, please click the Reset All button. CentOS Command Prompt

```
[root@centos7]#
```

A. Mastered
B. Not Mastered

Answer: A

Explanation:

```
[root@tecmint ~]#
[root@tecmint ~]# yum install httpd
Loaded plugins: fastestmirror, refresh-packagekit
Setting up Install Process
Loading mirror speeds from cached hostfile
 * base: centos.excellmedia.net
 * epel: epel.scopesky.iq
 * extras: centos.excellmedia.net
 * updates: centos-hn.viettelidc.com.vn
Resolving Dependencies
There are unfinished transactions remaining. You might consider running yum-comp
lete-transaction first to finish them.
_
```

```
[root@tecmint ~]#
[root@tecmint ~]# systemctl start httpd
[root@tecmint ~]#
[root@tecmint ~]# systemctl enable httpd
Created symlink from /etc/systemd/system/multi-user.target.wants/httpd.service to /usr/lib/systemd/system/htt
[root@tecmint ~]#
[root@tecmint ~]# systemctl status httpd
● httpd.service - The Apache HTTP Server
   Loaded: loaded (/usr/lib/systemd/system/httpd.service; enabled; vendor preset: disabled)
   Active: active (running) since Tue 2017-06-27 06:51:35 EDT; 14s ago
     Docs: man:httpd(8)
           man:apachectl(8)
 Main PID: 17981 (httpd)
   Status: "Total requests: 0; Current requests/sec: 0; Current traffic:   0 B/sec"
   CGroup: /system.slice/httpd.service
           ├─17981 /usr/sbin/httpd -DFOREGROUND
           ├─17982 /usr/sbin/httpd -DFOREGROUND
           ├─17983 /usr/sbin/httpd -DFOREGROUND
           ├─17984 /usr/sbin/httpd -DFOREGROUND
           ├─17985 /usr/sbin/httpd -DFOREGROUND
           └─17986 /usr/sbin/httpd -DFOREGROUND

Jun 27 06:51:35 tecmint systemd[1]: Starting The Apache HTTP Server...
Jun 27 06:51:35 tecmint httpd[17981]: AH00558: httpd: Could not reliably determine the server's fully qualifi
Jun 27 06:51:35 tecmint systemd[1]: Started The Apache HTTP Server.
[root@tecmint ~]# █
```

NEW QUESTION 115

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

Answer: D

NEW QUESTION 120

A Linux systems administrator needs to provision multiple web servers into separate regional datacenters. The systems architect has instructed the administrator to define the server infrastructure using a specific tool that consumes a text-based file.

Which of the following is the BEST reason to do this?

A. To document the infrastructure so it can be included in the system security plan
B. To ensure the administrator follows the planning phase of the system development life cycle
C. To define the infrastructure so it can be provisioned consistently with minimal manual tasks
D. To validate user requirements have been met within each regional datacenter for compliance

Answer: B

NEW QUESTION 121

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/sdal     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 –I /etc/yum.conf
D. setenforce 0

Answer: A

NEW QUESTION 123
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

Answer: A

NEW QUESTION 125
An administrator needs to change the IP address on a server remotely. After updating the configuration files, a network restart is needed. However, the administrator fears that when the network connection drops, the network restart script will be killed before the new IP address has been set.
Which of the following commands would prevent the script from being killed?

A. nohup service network restart
B. service network restart &
C. echo "service network restart" | at now
D. dg service network restart

Answer: A

NEW QUESTION 129
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/modprbe-bluetooth
D. echo "rmod bluetooth" > /etc/modprobe.d/rmmod-bluetooth

Answer: C

NEW QUESTION 132
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 136

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 139
A new HTTPS web service is being deployed on a server. Which of the following commands should the Linux administrator use to ensure traffic is able to flow through the system firewall to the new service?

A. iptables –I OUTPUT –p tcp --sport 443 –j ACCEPT
B. iptables –A INPUT –p tcp --dport 443 –j ACCEPT
C. iptables –I INPUT --dport 443 –j ACCEPT
D. iptables –A OUTPUT –p tcp --dport 443 –j ACCEPT

Answer: C

NEW QUESTION 142
A member of the production group issues the following command:
echo "Monday through Friday" > /production_docs/days
The command fails to execute, so the user obtains the following output: drwxr--r-- root production 0 Jun 16 2018 production
-rw-r--r-- production production 4096 Jun 14 2018 days
Which of the following commands should the user execute to BEST fix the issue?

A. chmod g+w production to change the permissions of the days file
B. chgrp root production_docs/days to change the group ownership of the production_docs/ days file
C. chmod g+S production to set the GUID on the production_docs directory
D. chown production to change the ownership of the production_docs directory

Answer: D

NEW QUESTION 143
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 147
A junior administrator needs to unload an older video kernel module. Which of the following commands would BEST accomplish this task?
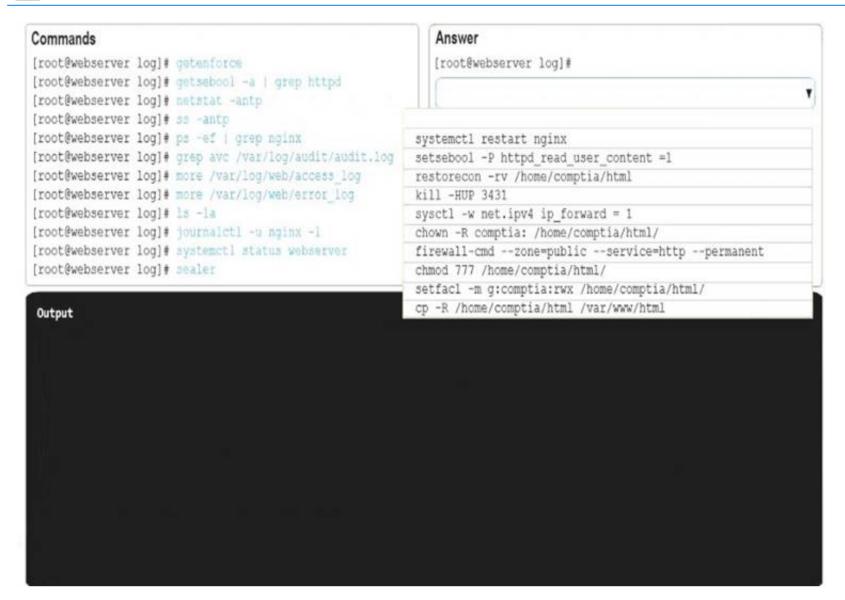
A. modprobe
B. insmod
C. rmmod
D. chmod

Answer: A

NEW QUESTION 148
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

```
[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
```

Answer

```
[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
```

Output

A. Mastered
B. Not Mastered

Answer: A

Explanation:

Commands

```
[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
```

Answer

```
[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
```

Output

NEW QUESTION 150
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 153
A systems administrator observes high latency values when reaching a remote web server. Which of the following commands will help determine and isolate issues on the network side?

A. mtr
B. dig
C. netstat
D. route

Answer: A

NEW QUESTION 158
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 162
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 166
A junior Linux administrator is updating local name resolution to support IPv6. The administrator issues the command cat /etc/hosts and receives the following output: 127.1.1.1 localhost
Which of the following actions should the administrator perform to accomplish this task?

A. Modify the /etc/hosts file, and add the ipv6 localhost entry to the file.
B. Modify the /etc/hosts file, and add the ::1 localhost entry to the file.
C. Modify the /etc/hosts file, and add the ipv4 localhost entry to the file.
D. Modify the /etc/hosts file, and add the 0.0.0.0 localhost entry to the file.

Answer: D

NEW QUESTION 170
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 172
......

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