

XK0-004 Dumps

CompTIA Linux+ Certification Exam

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NEW QUESTION 1

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 2

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 3

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 4

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 5

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 6

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 7

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 8

A Linux administrator must identify a user with high disk usage. The administrator runs the # du -s /home/* command and gets the following output:

```
43      /home/User1
2701    /home/User2
133089  /home/User3
3611    /home/User4
```

Based on the output, User3 has the largest amount of disk space used. To clean up the file space, the administrator needs to find out more information about the specific files that are using the most disk space.

Which of the following commands will accomplish this task?

- A. df -k /home/User/files.txt
- B. du -a /home/User3/*
- C. du -sh /home/User/
- D. find . -name /home/User3 -print

Answer: C

NEW QUESTION 9

A configuration management tool running every minute is enforcing the service HTTPd to be started. To perform maintenance, which of the following series of commands can be used to prevent the service from being started?

- A. systemctl stop httpd && systemctl mask httpd
- B. systemctl disable httpd && systemctl mask httpd
- C. systemctl stop httpd && systemctl hide httpd
- D. systemctl disable httpd && systemctl hide httpd

Answer: A

NEW QUESTION 10

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 10

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 11

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 15

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 16

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.

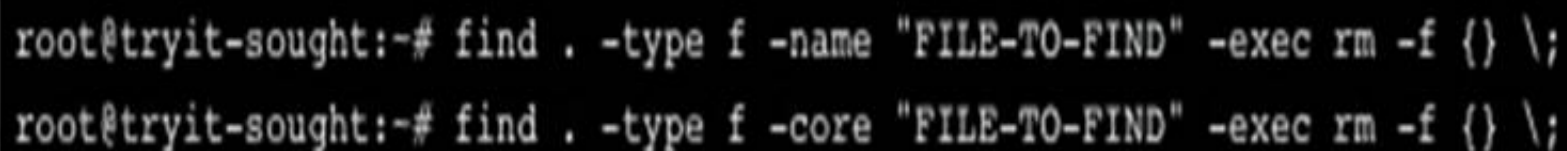


```
[comptia@localhost -] $
```

- 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 19

A Linux administrator wants to obtain a list of files and subdirectories in the /etc directory that contain the word "services". Once the files and subdirectories are discovered, they should be listed alphabetically in the /var/tmp/foundservices file. Which of the following shell scripts will accomplish this task?

- A. #/bin/bashfind /etc -name services | sort > /var/tmp/foundservices
- B. #/bin/bashlocate /etc -sort -name services > /var/tmp/foundservices
- C. #/bin/bashfind -name services -sort </var/tmp/foundservices

D. `#/bin/bashfind /etc --name services --sort > /var/tmp/foundservices`

Answer: B

NEW QUESTION 21

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 -l /etc/yum.conf`
- D. `setenforce 0`

Answer: A

NEW QUESTION 26

A user attempts to use the `mount -a` command but gets the following error: `mount: mount point /mnt/test does not exist`. Which of the following commands best describes the action the Linux administrator should take NEXT?

- A. `mount -a /mnt/test`
- B. `mkdir -p /mnt/test`
- C. `mdadm -p /mnt/test`
- D. `mkfs /mnt/test`
- E. `touch /mnt/test`

Answer: B

NEW QUESTION 28

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 30

A junior Linux administrator is installing patches using YUM. The administrator issues the following command:
`yum list installed`

The output of the command is as follows:

```
Loaded plugins: fastmirror, langpacks
Existing lock /var/run/yum.pid: another copy is running as pid 5180.
Another app is currently holding the yum lock; waiting for it to exit...
The other application is yum
Memory: 26 M RSS (r415 MB VSZ)
Started: Fri Jun 15 08:05:15 2018 - 2:18:48 ago
State: Traced/Stopped pid: 5180
```

Given this scenario and the output, which of the following should the administrator do to address this issue?

- A. `renice -n 9 -p 5180`
- B. `killall yum`
- C. `ps -ef | grep yum`
- D. `top | grep yum`

Answer: C

NEW QUESTION 32

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 34

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 37

A junior administrator is migrating a virtual machine from a Type 1 hypervisor to a Type 2 hypervisor. To ensure portability, which of the following formats should the administrator export from the Type 1 hypervisor to ensure compatibility?

- A. OWASP
- B. VDI
- C. VMDK
- D. OVA

Answer: D

NEW QUESTION 38

All users are reporting that they cannot connect to the SFTP server. The administrator runs a scan:

```
starting nmap 4.11 at 2018-06-16 EST
not shown: 1456 closed ports
```

PORT	STATE	SERVICE
53/tcp	open	dns
80/tcp	open	http
957/tcp	open	unknown

```
MAC Address 08:00:00:00:00:00 ( computer systems )
nmap finished = 1 ip address ( 1 host up ) scanned in 1.497 seconds
You have mail in /var/spool/mail/root
```

Which of the following would allow the administrator to fix the problem?

- A. Allow SFTP connections on port 22 using `/etc/sysconfig/iptables`.
- B. Allow SFTP connections on port 20 and 21 using `/etc/sysconfig/iptables`.
- C. Allow SFTP connections on port 25 using `/etc/sysconfig/iptables`.
- D. Allow SFTP connections on port 1456 using `/etc/sysconfig/iptables`.

Answer: A

NEW QUESTION 39

An engineer is working on a production application deployment that requires changing a web application property file called `server.property` that is managed by the Git version control system. A cloned copy of the remote repository in which the `server.property` file exists is on the local desktop computer. The engineer makes appropriate changes to the files, saves it as `server.property`, and executes `git commit -m "changed the property file" server.property`. Which of the following commands did the engineer fail to perform?

- A. `git init server.property`
- B. `git merge server.property`
- C. `git add server.property`
- D. `git push server.property`

Answer: D

NEW QUESTION 42

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 47

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