XK0-004 Dumps

CompTIA Linux+ Certification Exam

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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 administration is using a Linux system as a router. During the tests, the administrator discovers that IP packets are not being sent between the configured interfaces.
Which of the following commands enables this feature for IPv4 networks?

A. cat /proc/sys/net/ipv4/ip_route > 1
B. echo "1" > /proc/sys/net/ipv4/ip_forward
C. echo "1" > /proc/sys/net/ipv4/ip_route
D. echo "1" > /proc/sys/net/ipv4/ip_net

Answer: B

NEW QUESTION 3
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 4
A systems administration team has decided to their systems as immutable instances. They keep the desired state of each of their systems in version control and apply automation whenever they provision a new instance. If there is an issue with one of their servers, instead of troubleshooting the issue they terminate the instance and rebuild it using automation.
Which of the following is this an example of?

A. Inventory
B. Orchestration
C. Infrastructure as code
D. Agentless deployment

Answer: C

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 needs the "tech" account to have the option to run elevated commands as root. Which of the following commands would BEST meet this

goal?

A. $ su – tech –c "/bin/bash"
B. # usermod –aG wheel tech
C. # sudo –l tech
D. # groupadd –u tech –g root

Answer: C

NEW QUESTION 8
A Linux systems administrator installed a new web server, which failed while attempting to start. The administrator suspects that SELinux is causing an issue and wants to temporarily put the system into permissive mode. Which of the following would allow the administrator to accomplish this?

A. echo SELINUX=PERMISSIVE >> /etc/sysconfig/selinux
B. setenforce 0
C. sestatus 0
D. chcon httpd_sys_content_t /var/

Answer: B

NEW QUESTION 9
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 10
Which of the following configuration management tools is considered agentless?

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

Answer: C

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 12
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 15
Which of the following statements BEST represents what the term "agentless" means regarding orchestration?

A. Installation of a tool is not required on the remote system to perform orchestration tasks
B. It facilitates version control when using infrastructure as code during orchestration
C. It automatically removes malware from the remote system during orchestration
D. A tool can only be accessed remotely to perform orchestration tasks

Answer: A

NEW QUESTION 20
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 25
Which of the following is the purpose of the vmlinux file on a Linux system?

A. To prevent a Linux kernel panic
B. To start a Linux virtual machine
C. To provide the executable kernel for the system
D. To enable resource access to the network

Answer: C

NEW QUESTION 26
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 29
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 31
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 33
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 38
An administrator has modified the configuration file for a service. The service is still running but is not using the new configured values. Which of the following will BEST remediate this issue?

A. kill -HUP
B. init 0
C. service start
D. renice -10

Answer: A

NEW QUESTION 41
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 44
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 48
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 50
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 54
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 57
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 62
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 64
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
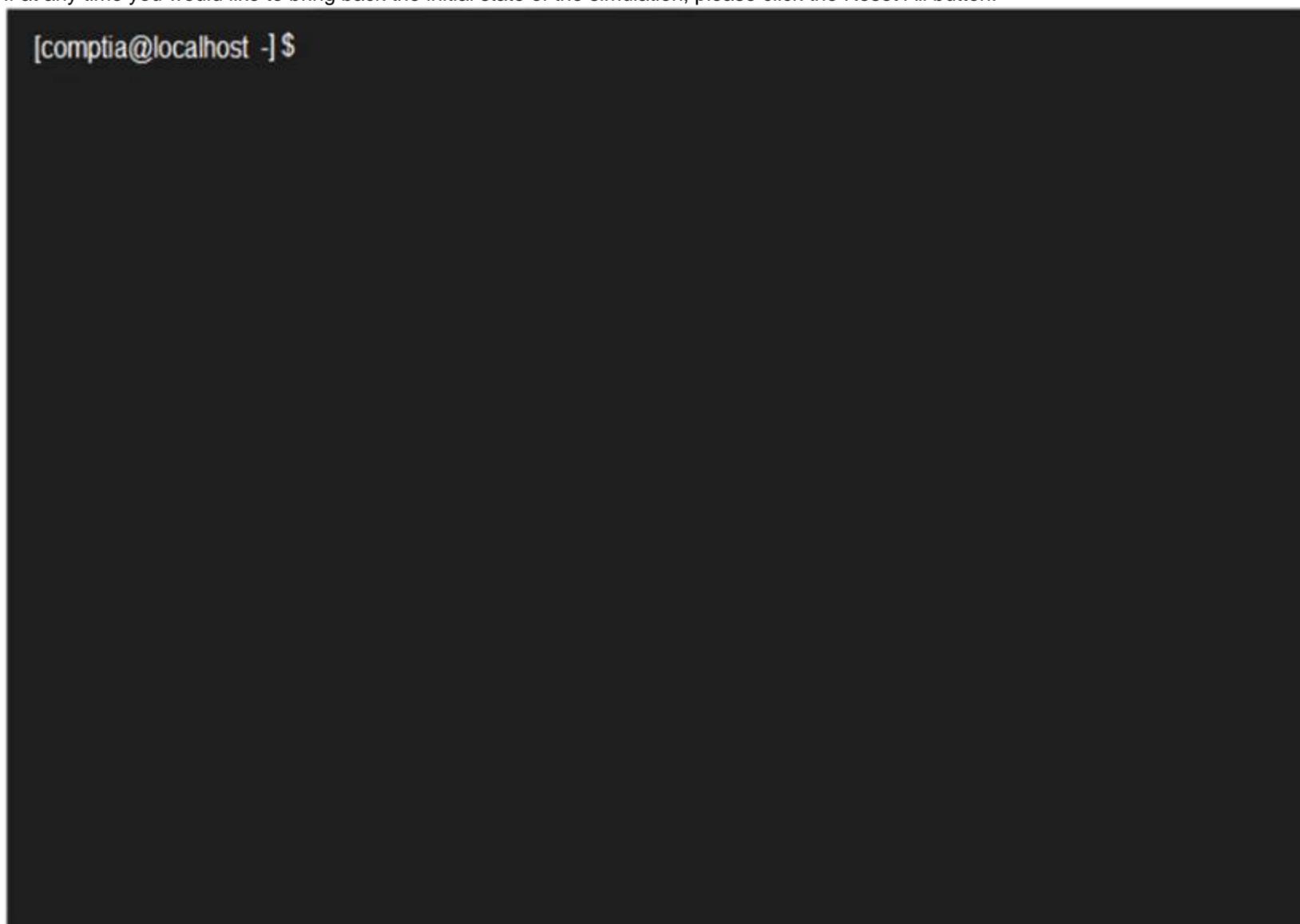
Answer: B

NEW QUESTION 69
Find the file named core and remove it from the system. INSTRUCTIONS
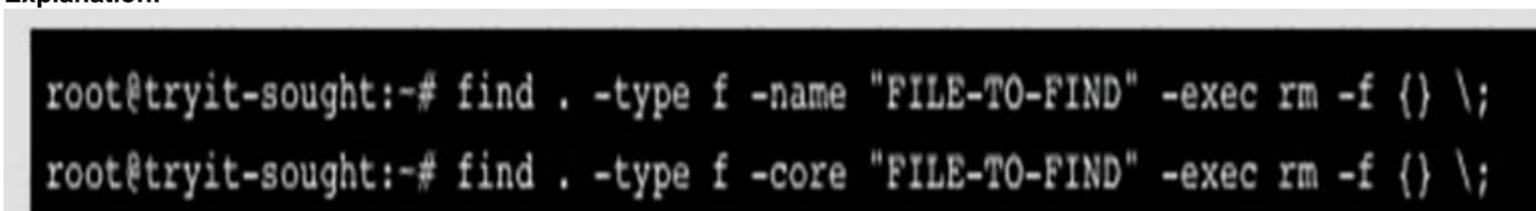Type "help" to display a list of available commands.
If at any time you would like to bring back the initial state of the simulation, please click the Reset All button.

```
[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 70
A Linux system is running normally when the systems administrator receives an alert that one application spawned many processes. The application is consuming a lot of memory, and it will soon cause the machine to become unresponsive. Which of the following commands will stop each application process?

A. kill 'pidof application'
B. killall application
C. kill -9 'ps –aux | grep application'
D. pkill -9 application

Answer: B

NEW QUESTION 73
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 76
A systems administrator configured a new kernel module, but it stopped working after reboot. Which of the following will allow the systems administrator to check for module problems during server startup?

A. lsmod
B. modprobe
C. modinfo
D. dmesg

Answer: C

NEW QUESTION 77
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 82
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 83
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 87
While creating a file on a volume, the Linux administrator receives the following message: No space left on device. Running the df –m command, the administrator notes there is still 50% of usage left. Which of the following is the NEXT step the administrator should take to analyze the issue without losing data?

A. Run the df –i command and notice the inode exhaustion
B. Run the df –h command and notice the space exhaustion
C. Run the df –B command and notice the block size
D. Run the df –k command and notice the storage exhaustion

Answer: A

NEW QUESTION 92
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 97
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 99
A junior Linux administrator needs to ensure a service will start on system boot. Which of the following commands should be used to accomplish this task?

A. chkconfig <service> on
B. systemctl <service> bootup
C. service <service> enable
D. crontab install <service>

Answer: A

NEW QUESTION 103
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 106
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 111
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 115
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
[root@webserver log]# getenforce                      [root@webserver log]#
[root@webserver log]# getsebool -a | grep httpd
[root@webserver log]# netstat -antp                                                          ▼
[root@webserver log]# ss -antp
[root@webserver log]# ps -ef | grep nginx             systemctl restart nginx
[root@webserver log]# grep avc /var/log/audit/audit.log   setsebool -P httpd_read_user_content =1
[root@webserver log]# more /var/log/web/access_log     restorecon -rv /home/comptia/html
[root@webserver log]# more /var/log/web/error_log      kill -HUP 3431
[root@webserver log]# ls -la                           sysctl -w net.ipv4 ip_forward = 1
[root@webserver log]# journalctl -u nginx -l           chown -R comptia: /home/comptia/html/
[root@webserver log]# systemctl status webserver       firewall-cmd --zone=public --service=http --permanent
[root@webserver log]# sealer                           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                                              Answer
[root@webserver log]# getenforce                      [root@webserver log]#
[root@webserver log]# getsebool -a | grep httpd
[root@webserver log]# netstat -antp                                                          ▼
[root@webserver log]# ss -antp
[root@webserver log]# ps -ef | grep nginx             systemctl restart nginx
[root@webserver log]# grep avc /var/log/audit/audit.log   setsebool -P httpd_read_user_content =1
[root@webserver log]# more /var/log/web/access_log     restorecon -rv /home/comptia/html
[root@webserver log]# more /var/log/web/error_log      kill -HUP 3431
[root@webserver log]# ls -la                           sysctl -w net.ipv4 ip_forward = 1
[root@webserver log]# journalctl -u nginx -l           chown -R comptia: /home/comptia/html/
[root@webserver log]# systemctl status webserver       firewall-cmd --zone=public --service=http --permanent
[root@webserver log]# sealer                           chmod 777 /home/comptia/html/
                                                       setfacl -m g:comptia:rwx /home/comptia/html/
                                                       cp -R /home/comptia/html /var/www/html
Output
```

NEW QUESTION 119

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 124
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 125
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 128
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 133
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 136
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