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 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=sysetm_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 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
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 5
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 6
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 7
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 8
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 9
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 10
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 10
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 13
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 18
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 20
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 23
A junior Linux administrator is trying to verify connectivity to the remote host host1 and display round-trip statistics for ten ICMP.
Which of the following commands should the administrator execute?

A. ping –c 10 host1
B. traceroute –c 10 host1
C. netstat host1
D. pathping –c 10 host1

Answer: A

NEW QUESTION 24
An administrator needs to deploy 100 identical CentOS workstations via PXE boot. Which of the following should the administrator use to minimize the amount of interaction with the consoles needed?

A. Kickstart script
B. Ghost image on a distribution server
C. Hard disk duplicator
D. Hard disk duplicator
E. Ubiquity script

Answer: A

NEW QUESTION 26
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 30
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 34
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 35
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 36

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 40

A user wants to list the lines of a log, adding a correlative number at the beginning of each line separated by a set of dashes from the actual message. Which of
the following scripts will complete this task?

```
A.  #!/bin/bash
    LOG='/var/log/auth.log'
    nrlines=0
    while read LINE
    do
        nrlines=$((nrlines + 1))
        echo $nrlines --- ${LINE}
    done < ${LOG}
B.  #!/bin/bash
    LOG='/var/log/auth.log'
    nrlines=0
    while read LINE
    do
        nrlines=`$nrlines ++ 1`
        echo $nrlines --- ${LINES}
    done
C.  #!/bin/bash
    LOG='/var/log/auth.log'
    nrlines=0
    while read LINE
    do
        nrlines=`expr nrlines + 1`
        echo $nrlines --- ${LINE}
    done < ${LOG}
D.  #!/bin/bash
    LOG='/var/log/auth.log'
    nrlines=0
    while read LINE
    do
        nrlines=$(nrlines + 1)
        echo $nrlines --- ${LINE}
    done < ${LOG}
```

A. Option A
B. Option B
C. Option C
D. Option D

Answer: D

NEW QUESTION 41

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 42

An administrator needs to see a list of the system user's encrypted passwords. Which of the following Linux files does the administrator need to read?

A. /etc/shadow
B. /etc/skel
C. /etc/passwd
D. /etc/pw

Answer: C

NEW QUESTION 47
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 48
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. tracert www.comptia.org
C. ping www.comptia.org
D. netstat www.comptia.org

Answer: B

NEW QUESTION 49
Which of the following server roles would assign a host IP address?

A. DHCP
B. NTP
C. DNS
D. SSH

Answer: A

NEW QUESTION 54
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/meninfo ; swapon / swapfile

Answer: A

NEW QUESTION 55
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 59
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