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 has installed a web application firewall in front of a web server running on HTTP port 8080 and successfully started the HTTP server. However, after opening the application URL in an Internet browser, the administrator discovered that the application does not work. The administrator performed the following diagnostic steps:
Output of sysctl -a command:

```
kernel.sched_child_runs_first = 0
kernel.panic = 0
kernel.ftrace_enabled = 1
kernel.sysrq = 1
net.ipv4.icmp_echo_ignore_all = 0
```

Output of iptables -L command:

```
ChainINPUT (policyACCEPT)

target    prot    opt    source       destination
ACCEPT    tcp     --     anywhere     anywhere       tcp dpt:webcache

Chain FORWARD (policy ACCEPT)

target    prot    opt    source       destination
ACCEPT    tcp     --     anywhere     anywhere       dpt:webcache

Chain OUTPUT (policy ACCEPT)

target    prot    opt    source       destination
```

Output of netstat –nltop | grep "8080":

```
tcp    0.0.0.0:8080    0.0.0.0*    Listen    12801/httpd
```

Which of the following is the NEXT step the administrator should perform to permanently fix the issue at the kernel level?

A. sysctl -w net.ipv4.ip_forward=1 then run sysctl -w /etc/sysctl.conf to enable the change
B. Edit /etc/sysctl.conf file and add net.ipv4.ip_forward = 1 then run sysctl -p /etc/ sysctl.conf to enable the change
C. Add iptables rule iptables -A INPUT -m state --state NEW -p tcp --dport 8080 -j then restart httpd daemon
D. Add iptables rule iptables -A FORWARD-m state --state NEW -p tcp --dport 8080 –j ACCEPT then restart httpd daemon

Answer: D

NEW QUESTION 3
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 4
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 5
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 6
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 7
Which of the following configuration management tools is considered agentless?

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

Answer: C

NEW QUESTION 8
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 9
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 10
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 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
An administrator has written the following Bash script:

```
/home/user/test.sh

#!/usr/bin/sh
for i in `cat /home/user/iplist.txt`
        do
                nslookup $i
        done
echo
```

All necessary files exist in the correct locations. However, when the administrator executes /home/user/test.sh the following error is received:
No such file or directory
Which of the following is the MOST likely cause of the error?

A. The shebang points to the wrong path.
B. The script is not executable.
C. The formatting of the file is incorrect.
D. Nslookup is not installed.

Answer: A

NEW QUESTION 15
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 16
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 20
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
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 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 31
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 34
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 39
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 41
Which of the following server roles would assign a host IP address?

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

Answer: A

NEW QUESTION 42
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 47
A systems administrator is configuring options on a newly installed Linux VM that will be deployed to the Pacific time zone. Which of the following sets of commands should the administrator execute to accurately configure the correct time settings?

A. cd /etcln –s /usr/share/zoneinfo/US/Pacific localtime
B. cd /usr/localln –s /usr/share/zoneinfo/US/Pacific zoneinfo
C. cd /etc/localln –s /usr/share/zoneinfo/US/Pacific localtime
D. cd /usr/share/localln –s /usr/share/zoneinfo/US/Pacific localectl

Answer: A

NEW QUESTION 48
A junior Linux administrator is setting up system-wide configuration settings. The goal is to ensure the PATH environment variable includes the following locations for all users who log into a Linux system.

```
/usr/local/bin

/usr/local/sbin
```

The administrator issues the following commands at the terminal:

```
echo $PATH

cat /etc/profile
```

Respectively, the output of these commands is as follows:

```
/usr/bin:/usr/sbin:/sbin:/bin


# /etc/profile: system-wide .profile file for the Bourne shell (sh(1))

# and Bourne compatible shells (bash(1), ksh(1), ash(1), …).



if [ 'id -u' -eg 0 ]; then

PATH="usr/bin:/usr/sbin:/sbin:/bin"

else

PATH="/usr/local/games"

fi

export PATH
```

Given this output, which of the following would be the BEST action for the administrator to perform to address this issue?

A. Update the /etc/profile.d file using a text editor, navigate to the PATH element add the missing locations, and run the bash_completion.sh script to update the changes.
B. Update the /etc/profile file using a text editor, navigate to the PATH element, add the missing locations and run the . /etc/profile command to update the changes.
C. Update the /etc/profile.d file using a text editor, navigate to the PATH element, add the missing locations, and reboot to update the changes.
D. Update the /etc/profile file using a text editor navigate to the PATH element, add the missing locations, and restart the bash process to update the changes.

Answer: B

NEW QUESTION 50
A Linux administrator built a GitLab server. Later that day, a software engineer tried to access the server to upload the repository during the final step of installation. The software engineer could not access the website. Which of the following firewall rules would allow access to this site?

A. iptables –A INPUT –p tcp –m multiport --dports 80,443 –m conntrack –cstate NEW, ESTABLISHED –j ACCEPT
B. iptables –A INPUT –p tcp –m multiport --dports 80,443 –m conntrack –cstate ESTABLISHED –j ACCEPT
C. iptables –A INPUT –p tcp –m multiport --dports 80,443 –m conntrack –cstate RELATED, ESTABLISHED –j ACCEPT
D. iptables –A INPUT –p tcp –m multiport --dports 80,443 –m conntrack –cstate NEW, ESTABLISHED –j REJECT

Answer: C

NEW QUESTION 52
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 57
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 59
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