

CompTIA

Exam Questions XK0-005

CompTIA Linux+ Certification Exam



NEW QUESTION 1

Which of the following data structures is written in JSON?

A)

```
---
name: user1
position: DevOps
floor: 3
```

B)

```
<table>
<tbody><tr>
<td>user1</td>
<td>DevOps</td>
<td>3</td>
</tr>
</tbody></table>
```

C)

```
<root>
  <floor>3</floor>
  <name>user1</name>
  <position>DevOps</position>
</root>
```

D)

```
{
  "name": "user1",
  "job": "DevOps",
  "floor": 3
}
```

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

Answer: D

NEW QUESTION 2

A Linux engineer receives reports that files created within a certain group are being modified by users who are not group members. The engineer wants to reconfigure the server so that only file owners and group members can modify new files by default. Which of the following commands would accomplish this task?

- A. chmod 775
- B. umask
- C. 002
- D. chattr -Rv
- E. chown -cf

Answer: B

NEW QUESTION 3

One leg of an LVM-mirrored volume failed due to the underlying physical volume, and a systems administrator is troubleshooting the issue. The following output has been provided:

```
Partial mode. Incomplete volume groups will be activated read-only
```

LV	VG	Attr	LSize	Origin	Snap%	Move	Log	Copy%	Devices
linear	vg	-wi-a-	40.00G						unknown device(0)
stripe	vg	-wi-a-	40.00G						unknown device(5120),/dev/sda1(0)

Given this scenario, which of the following should the administrator do to recover this volume?

- A. Reboot the serve
- B. The volume will automatically go back to linear mode.
- C. Replace the failed drive and reconfigure the mirror.
- D. Reboot the serve
- E. The volume will revert to stripe mode.
- F. Recreate the logical volume.

Answer: B

NEW QUESTION 4

Rugged appliances are small appliances with ruggedized hardware and like Quantum Spark appliance they use which operating system?

- A. Centos Linux
- B. Gaia embedded
- C. Gaia
- D. Red Hat Enterprise Linux version 5

Answer: B

NEW QUESTION 5

A systems administrator pressed Ctrl+Z after starting a program using the command line, and the shell prompt was presented. In order to go back to the program, which of the following commands can the administrator use?

- A. fg
- B. su
- C. bg
- D. ed

Answer: A

Explanation:

Ctrl+Z suspended the process, and "fg" will bring it back into the foreground of the shell

NEW QUESTION 6

A Linux system is getting an error indicating the root filesystem is full. Which of the following commands should be used by the systems administrator to resolve this issue? (Choose three.)

- A. df -h /
- B. fdisk -l /dev/sdb
- C. growpart /dev/mapper/rootvg-rootlv
- D. pvcreate /dev/sdb
- E. lvresize -L +10G -r /dev/mapper/rootvg-rootlv
- F. lsblk /dev/sda
- G. parted -l /dev/mapper/rootvg-rootlv
- H. vgextend /dev/rootvg /dev/sdb

Answer: DEH

NEW QUESTION 7

A cloud engineer needs to change the secure remote login port from 22 to 49000. Which of the following files should the engineer modify to change the port number to the desired value?

- A. /etc/host.conf
- B. /etc/hostname
- C. /etc/services
- D. /etc/ssh/sshd_config

Answer: D

NEW QUESTION 8

A systems administrator created a web server for the company and is required to add a tag for the API so end users can connect. Which of the following would the administrator do to complete this requirement?

- A. hostnamectl status --no-ask-password
- B. hostnamectl set-hostname "\$(perl -le "print" "A" x 86)"
- C. hostnamectl set-hostname Comptia-WebNode -H root@192.168.2.14
- D. hostnamectl set-hostname Comptia-WebNode --transient

Answer: C

NEW QUESTION 9

A Linux administrator reviews a set of log output files and needs to identify files that contain any occurrence of the word denied. All log files containing entries in uppercase or lowercase letters should be included in the list. Which of the following commands should the administrator use to accomplish this task?

- A. find . -type f -print | xargs grep -ln denied
- B. find . -type f -print | xargs grep -nv denied
- C. find . -type f -print | xargs grep -wL denied
- D. find . -type f -print | xargs grep -li denied

Answer: A

NEW QUESTION 10

At what point is the Internal Certificate Authority (ICA) created?

- A. During the primary Security Management Server installation process.
- B. Upon creation of a certificate.
- C. When an administrator decides to create one.
- D. When an administrator initially logs into SmartConsole.

Answer: A

NEW QUESTION 10

Which of the following tools is commonly used for creating CI/CD pipelines?

- A. Chef
- B. Puppet
- C. Jenkins
- D. Ansible

Answer: C

NEW QUESTION 12

A systems administrator is troubleshooting a connectivity issue pertaining to access to a system named db.example.com. The system IP address should be 192.168.20.88. The administrator issues the dig command and receives the following output:

```
;; ANSWER SECTION:
db.example.com.      15 IN A 192.168.20.89
```

The administrator runs `grep db.example.com /etc/hosts` and receives the following output:

```
192.168.20.89 db.example.com
```

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

- A. Modify the `/etc/hosts` file and change the db.example.com entry to 192.168.20.89.
- B. Modify the `/etc/network` file and change the db.example.com entry to 192.168.20.88.
- C. Modify the `/etc/network` file and change the db.example.com entry to 192.168.20.89.
- D. Modify the `/etc/hosts` file and change the db.example.com entry to 192.168.20.88.

Answer: A

NEW QUESTION 17

A systems engineer is adding a new 1GB XFS filesystem that should be temporarily mounted under `/ops/app`. Which of the following is the correct list of commands to achieve this goal?

- A. C:\Users\Admin\Desktop\Data\Odt data\Untitled.jpg

```
pvccreate -L1G /dev/app
mkfs.xfs /dev/app
mount /dev/app /opt/app
```

- B. C:\Users\Admin\Desktop\Data\Odt data\Untitled.jpg

```
parted /dev/sdb --script mkpart primary xfs 1GB
mkfs.xfs /dev/sdb
mount /dev/sdb /opt/app
```

- C. C:\Users\Admin\Desktop\Data\Odt data\Untitled.jpg

```
lvs --create 1G --name app
mkfs.xfs /dev/app
mount /dev/app /opt/app
```

- D. C:\Users\Admin\Desktop\Data\Odt data\Untitled.jpg

```
lvcreate -L 1G -n app app_vg
mkfs.xfs /dev/app_vg/app
mount /dev/app_vg/app /opt/app
```

Answer: D

NEW QUESTION 19

A Linux administrator is tasked with creating resources using containerization. When deciding how to create this type of deployment, the administrator identifies some key features, including portability, high availability, and scalability in production. Which of the following should the Linux administrator choose for the new design?

- A. Docker
- B. On-premises systems
- C. Cloud-based systems
- D. Kubernetes

Answer: D

NEW QUESTION 23

A systems administrator is notified that the mysqld process stopped unexpectedly. The systems administrator issues the following command:

```
sudo grep -i -r 'out of memory' /var/log
```

The output of the command shows the following:

```
kernel: Out of memory: Kill process 9112 (mysqld) score 511 or sacrifice child.
```

Which of the following commands should the systems administrator execute NEXT to troubleshoot this issue? (Select two).

- A. free -h
- B. nc -v 127.0.0.1 3306
- C. renice -15 \$(pidof mysql)
- D. lsblk
- E. killall -15
- F. vmstat -a 1 4

Answer: AC

NEW QUESTION 26

A systems administrator is troubleshooting connectivity issues and trying to find out why a Linux server is not able to reach other servers on the same subnet it is connected to. When listing link parameters, the following is presented:

```
# ip link list dev eth0
2: etho: <NO-CARRIER, BROADCAST, MULTICAST, UP> mtu 1500, qdisc
fq_codel state DOWN mode DEFAULT group default qlen 1000
link/ether ac:00:11:22:33:cd brd ff:ff:ff:ff:ff:ff
```

Based on the output above, which of following is the MOST probable cause of the issue?

- A. The address ac:00:11:22:33:cd is not a valid Ethernet address.
- B. The Ethernet broadcast address should be ac:00:11:22:33:ff instead.
- C. The network interface eth0 is using an old kernel module.
- D. The network interface cable is not connected to a switch.

Answer: D

NEW QUESTION 29

A systems administrator is tasked with setting up key-based SSH authentication. In which of the following locations should the administrator place the public keys for the server?

- A. ~/.sshd/authkeys
- B. ~/.ssh/keys
- C. ~/.ssh/authorized_keys
- D. ~/.ssh/keyauth

Answer: C

NEW QUESTION 33

A systems administrator is tasked with mounting a USB drive on a system. The USB drive has a single partition, and it has been mapped by the system to the device /dev/sdb. Which of the following commands will mount the USB to /media/usb?

- A. mount /dev/sdb1 /media/usb
- B. mount /dev/sdb0 /media/usb
- C. mount /dev/sdb /media/usb
- D. mount -t usb /dev/sdb1 /media/usb

Answer: A

NEW QUESTION 35

An administrator installed an application from source into /opt/operations1/ and has received numerous reports that users are not able to access the application without having to use the full path /opt/operations1/bin/*. Which of the following commands should be used to resolve this issue?

- A. echo 'export PATH=\$PATH:/opt/operations1/bin' >> /etc/profile
- B. echo 'export PATH=/opt/operations1/bin' >> /etc/profile
- C. echo 'export PATH=\$PATH/opt/operations1/bin' >> /etc/profile
- D. echo 'export \$PATH:/opt/operations1/bin' >> /etc/profile

Answer: A

Explanation:

It would be better to put the directory before \$PATH, so that way the directory is searched before the rest of the pathing options in \$PATH.

NEW QUESTION 37

A systems administrator is tasked with creating an Ansible playbook to automate the installation of patches on several Linux systems. In which of the following languages should the playbook be written?

- A. SQL
- B. YAML
- C. HTML
- D. JSON

Answer: B

NEW QUESTION 41

A Linux administrator created the directory /project/access2all. By creating this directory, the administrator is trying to avoid the deletion or modification of files from non-owners. Which of the following will accomplish this goal?

- A. chmod +t /project/access2all
- B. chmod +rws /project/access2all
- C. chmod 2770 /project/access2all
- D. chmod ugo+rwX /project/access2all

Answer: A

NEW QUESTION 46

A Linux administrator needs to resolve a service that has failed to start. The administrator runs the following command:

```
ls -l startup file
```

The following output is returned

```
-----. root root 81k Sep 13 19:01 startupfile
```

Which of the following is MOST likely the issue?

- A. The service does not have permissions to read write the startupfile.
- B. The service startupfile size cannot be 81k.
- C. The service startupfile cannot be owned by root.
- D. The service startupfile should not be owned by the root group.

Answer: A

NEW QUESTION 51

A Linux administrator has been tasked with installing the most recent versions of packages on a RPM-based OS. Which of the following commands will accomplish this task?

- A. apt-get upgrade
- B. rpm -a
- C. yum updateinfo
- D. dnf update
- E. yum check-update

Answer: D

NEW QUESTION 56

A Linux administrator needs to determine whether a hostname is in the DNS. Which of the following would supply the information that is needed?

- A. nslookup
- B. rsyn
- C. netstat
- D. host

Answer: A

NEW QUESTION 60

A Linux administrator would like to use systemd to schedule a job to run every two hours. The administrator creates timer and service definitions and restarts the server to load these new configurations. After the restart, the administrator checks the log file and notices that the job is only running daily. Which of the following is MOST likely causing the issue?

- A. The checkdiskspace.service is not running.
- B. The checkdiskspace.service needs to be enabled.
- C. The OnCalendar schedule is incorrect in the timer definition.
- D. The system-daemon services need to be reloaded.

Answer: D

NEW QUESTION 64

A Linux systems administrator receives reports from various users that an application hosted on a server has stopped responding at similar times for several days in a row. The administrator logs in to the system and obtains the following output:

Output 1:


```
[Tue Aug 31 16:36:42 2021] OOM: Kill process 43805 (java) score 249 or sacrifice child
[Tue Aug 31 16:36:42 2021] killed process 43805 (java) total-vx: 4446352kB, anon-rss: 4053140kB, file-rss: 68kB
```

Output 2:

```
Linux 3.10.0-328.13.1.x86_64 #1 (hostname) 31/08/2021 _x86_64_ (8 CPU)
16:00:01 PM      CPU      %user   %nice   %system   %iowait   %steal     %idle
16:10:01 PM      all       17.58    0.00     9.36     0.00     0.00     73.06
16:20:01 PM      all       22.34    0.00    11.75     0.00     0.00     65.91
16:30:01 PM      all       25.49    0.00    11.69     0.00     0      62.82
```

Output 3:

```
$ free -m
              total        used        free   shared  buff/cache   available
Mem:          16704       15026         174        92         619         793
Swap:           0           0           0
```

Which of the following should the administrator do to provide the BEST solution for the reported issue?

- A. Configure memory allocation policies during business hours and prevent the Java process from going into a zombie state while the server is idle.
- B. Configure a different nice value for the Java process to allow for more users and prevent the Java process from restarting during business hours.
- C. Configure more CPU cores to allow for the server to allocate more processing and prevent the Java process from consuming all of the available resources.
- D. Configure the swap space to allow for spikes in usage during peak hours and prevent the Java process from stopping due to a lack of memory.

Answer: A

NEW QUESTION 68

A Linux administrator needs to ensure that Java 7 and Java 8 are both locally available for developers to use when deploying containers. Currently only Java 8 is available. Which of the following commands should the administrator run to ensure both versions are available?

- A. docker image load java:7
- B. docker image pull java:7
- C. docker image import java:7
- D. docker image build java:7

Answer: B

NEW QUESTION 72

A systems administrator is tasked with creating a cloud-based server with a public IP address.

```
---
-name: start an instance with a public IP address
  community.aws.ec2_instance:
    name: "public-compute-instance"
    key_name: "comptia-ssh-key"
    vpc_subnet_id: subnet-5cjs1
    instance_type: instance.type
    security_group: comptia
    network:
      assign_public_ip: true
    image_id: ami-1234568
    tags:
      Environment: Comptia-Items-Writing-Workshop
...

```

Which of the following technologies did the systems administrator use to complete this task?

- A. Puppet
- B. Git
- C. Ansible
- D. Terraform

Answer: D

NEW QUESTION 74

User1 is a member of the accounting group. Members of this group need to be able to execute but not make changes to a script maintained by User2. The script should not be accessible to other users or groups. Which of the following will give proper access to the script?

- A. chown user2:accounting script.sh chmod 750 script.sh
- B. chown user1:accounting script.sh chmod 777 script.sh

- C. chown accounting:user1 script.sh chmod 057 script.sh
D. chown user2:accounting script.sh chmod u+x script.sh

Answer: C

NEW QUESTION 75

A Linux administrator is troubleshooting SSH connection issues from one of the workstations.

When users attempt to log in from the workstation to a server with the IP address 104.21.75.76, they receive the following message:

```
ssh: connect to host 104.21.75.76 port 22: Connection refused
```

The administrator reviews the information below:

Workstation output 1:

```
eth0: <BROADCAST,MULTICAST, UP, LOWER_UP> mtu 1500 qdisc mq state UP group default  
link/ether 00:15:5d:e9:e9:fb brd 5.189.153.255 scope global eth0  
inet 5.189.153.89/24 brd 5.189.153.255 scope global eth0
```

Workstation output 2:

```
default via 5.189.153.1 dev eth0  
5.189.153.0/24 dev eth0 proto kernel scope link src 5.189.153.89
```

Server output 1:

target	prot	opt	source	destination
REJECT	tcp	--	101.68.78.194	0.0.0.0/0
REJECT	tcp	--	222.186.180.130	0.0.0.0/0
REJECT	tcp	--	104.131.1.39	0.0.0.0/0
REJECT	tcp	--	68.183.196.11	0.0.0.0/0
REJECT	tcp	--	5.189.153.89	0.0.0.0/0
REJECT	tcp	--	41.93.32.148	0.0.0.0/0

tcp dpt:22 ctstate NEW, UNTRACKED
reject-with icmp-port-unreachable

Server output 2:

```
sshd.service - OpenSSH server daemon  
Loaded: loaded (/usr/lib/systemd/system/sshd.service; disabled; vendor preset: enabled)  
Active: active (running) since Thu 2021-08-26 18:50:19 CEST; 2 weeks 5 days ago
```

Server output 3:

```
eth0: <BROADCAST, MULTICAST, UP, LOWER_UP> mtu 1500 qdisc mq state UP group default  
link/ether 52:52:00:2a:bb:98 brd 104.21.75.255 scope global eth0  
inet 104.21.75.76/24 brd 104.21.75.255 scope global eth0
```

Server output 4:

```
default via 104.21.75.254 dev eth0  
104.21.75.0/24 dev eth0 proto kernel scope link src 104.21.75.76
```

Which of the following is causing the connectivity issue?

- A. The workstation has the wrong IP settings.
B. The sshd service is disabled.
C. The server's firewall is preventing connections from being made.
D. The server has an incorrect default gateway configuration.

Answer: B

NEW QUESTION 80

A database administrator requested the installation of a custom database on one of the servers. Which of the following should the Linux administrator configure so the requested packages can be installed?

- A. /etc/yum.conf
- B. /etc/ssh/sshd.conf
- C. /etc/yum.repos.d/db.repo
- D. /etc/resolv.conf

Answer: C

NEW QUESTION 84

A Linux administrator is providing a new Nginx image from the registry to local cache. Which of the following commands would allow this to happen?

- A. docker pull nginx
- B. docker attach nginx
- C. docker commit nginx
- D. docker import nginx

Answer: A

NEW QUESTION 87

A developer is trying to install an application remotely that requires a graphical interface for installation. The developer requested assistance to set up the necessary environment variables along with X11 forwarding in SSH. Which of the following environment variables must be set in remote shell in order to launch the graphical interface?

- A. \$RHOST
- B. SETENV
- C. \$SHELL
- D. \$DISPLAY

Answer: D

NEW QUESTION 91

A Linux administrator wants to set the SUID of a file named dev_team.txt with 744 access rights. Which of the following commands will achieve this goal?

- A. chmod 4744 dev_team.txt
- B. chmod 744 --setuid dev_team.txt
- C. chmod -c 744 dev_team.txt
- D. chmod -v 4744 --suid dev_team.txt

Answer: A

NEW QUESTION 96

A developer reported an incident involving the application configuration file /etc/httpd/conf/httpd.conf that is missing from the server. Which of the following identifies the RPM package that installed the configuration file?

- A. rpm -qf /etc/httpd/conf/httpd.conf
- B. rpm -ql /etc/httpd/conf/httpd.conf
- C. rpm --query /etc/httpd/conf/httpd.conf
- D. rpm -q /etc/httpd/conf/httpd.conf

Answer: A

NEW QUESTION 98

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 event 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:

```
yum install httpd
systemctl --now enable httpd systemctl status httpd
netstat -tunlp | grep 80 pkill <processname> systemctl restart httpd systemctl status httpd
```

NEW QUESTION 100

In which of the following filesystems are system logs commonly stored?

- A. /var
- B. /tmp
- C. /etc
- D. /opt

Answer: A

NEW QUESTION 104

A Linux engineer has been notified about the possible deletion of logs from the file /opt/app/logs. The engineer needs to ensure the log file can only be written into without removing previous entries.

```
# lsattr /opt/app/logs
-----e--- logs
```

Which of the following commands would be BEST to use to accomplish this task?

- A. `chattr +a /opt/app/logs`
- B. `chattr +d /opt/app/logs`
- C. `chattr +i /opt/app/logs`
- D. `chattr +c /opt/app/logs`

Answer: A

NEW QUESTION 107

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
"\$@"	pgrep	repeat
/tmp/tmpfile	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/tmpfile

? filename ? $(cat ? )

do

? $filename

?
```

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Snippets

tar	until	zip
egrep	awk	\$log
"\$@"	pgrep	repeat
/tmp/tmpfile	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/tmpfile

for filename in $(cat /tmp/tmpfile)

do

gzip $filename

done
```

NEW QUESTION 112

An administrator transferred a key for SSH authentication to a home directory on a remote server. The key file was moved to .ssh/authorized_keys location in order to establish SSH connection without a password. However, the SSH command still asked for the password. Given the following output:

```
[admin@linux ~]$ -ls -lhZ .ssh/auth*
-rw-r--r--. admin unconfined_u:object_r:user_home_t:s0 .ssh/authorized_keys
```

Which of the following commands would resolve the issue?

- A. restorecon .ssh/authorized_keys
- B. ssh_keygen -t rsa -o .ssh/authorized_keys
- C. chown root:root .ssh/authorized_keys
- D. chmod 600 .ssh/authorized_keys

Answer: A

NEW QUESTION 115

An administrator deployed a Linux server that is running a web application on port 6379/tcp. SELinux is in enforcing mode based on organization policies. The port is open on the firewall. Users who are trying to connect to a local instance of the web application receive Error 13, Permission denied. The administrator ran some commands that resulted in the following output:

```
# semanage port -l | egrep '(^http_port_t|6379) '
http_port_t tcp 80, 81, 443, 488, 8008, 8009, 8443, 9000

# curl http://localhost/App.php
Cannot connect to App Server.
```

Which of the following commands should be used to resolve the issue?

- A. semanage port -d -t http_port_t -p tcp 6379
- B. semanage port -a -t http_port_t -p tcp 6379
- C. semanage port -a http_port_t -p top 6379
- D. semanage port -l -t http_port_tcp 6379

Answer: B

NEW QUESTION 119

A Linux administrator found many containers in an exited state. Which of the following commands will allow the administrator to clean up the containers in an exited state?

- A. docker rm --all
- B. docker rm \$(docker ps -aq)
- C. docker images prune *
- D. docker rm --state exited

Answer: D

NEW QUESTION 122

A systems administrator made some changes in the ~/.bashrc file and added an alias command. When the administrator tried to use the alias command, it did not work. Which of the following should be executed FIRST?

- A. source ~/.bashrc
- B. read ~/.bashrc
- C. touch ~/.bashrc
- D. echo ~/.bashrc

Answer: A

NEW QUESTION 125

A Linux administrator needs to analyze a failing application that is running inside a container. Which of the following commands allows the Linux administrator to enter the running container and analyze the logs that are stored inside?

- A. docker run -ti app /bin/sh
- B. podman exec -ti app /bin/sh
- C. podman run -d app /bin/bash
- D. docker exec -d app /bin/bash

Answer: B

NEW QUESTION 128

Using AD Query, the security gateway connections to the Active Directory Domain Controllers using what protocol?

- A. Windows Management Instrumentation (WMI)
- B. Hypertext Transfer Protocol Secure (HTTPS)
- C. Lightweight Directory Access Protocol (LDAP)
- D. Remote Desktop Protocol (RDP)

Answer: A

NEW QUESTION 130

A systems administrator is deploying three identical, cloud-based servers. The administrator is using the following code to complete the task:

```
resource "aws_instance" "ec2_instance" {
  ami           = data.aws_ami.amazon_linux.id
  associate_public_ip_address = true
  count         = 3
  instance_type = "t2.micro"
  vpc_security_group_ids = [aws_security_group.allow_ssh.id]
  key_name       = aws_key_pair.key_pair.key_name

  tags = {
    Name = "${var.namespace}-${count.index}"
  }
}
```

Which of the following technologies is the administrator using?

- A. Ansible
- B. Puppet
- C. Chef
- D. Terraform

Answer: D

NEW QUESTION 135

A Linux administrator booted up the server and was presented with a non-GUI terminal. The administrator ran the command `systemctl isolate graphical.target` and rebooted the system by running `systemctl reboot`, which fixed the issue. However, the next day the administrator was presented again with a non-GUI terminal. Which of the following is the issue?

- A. The administrator did not reboot the server properly.
- B. The administrator did not set the default target to `basic.target`.
- C. The administrator did not set the default target to `graphical.target`.
- D. The administrator did not shut down the server properly.

Answer: C

NEW QUESTION 137

Several users reported that they were unable to write data to the `/oracle1` directory. The following output has been provided:

Filesystem	Size	Used	Available	Use%	Mounted on
/dev/sdb1	100G	50G	50G	50%	/oracle1

Which of the following commands should the administrator use to diagnose the issue?

- A. `df -i /oracle1`
- B. `fdisk -l /dev/sdb1`
- C. `lsblk /dev/sdb1`
- D. `du -sh /oracle1`

Answer: A

NEW QUESTION 141

Which of the following enables administrators to configure and enforce MFA on a Linux system?

- A. Kerberos
- B. SELinux
- C. PAM
- D. PKI

Answer: A

NEW QUESTION 145

Which of the following technologies provides load balancing, encryption, and observability in containerized environments?

- A. Virtual private network
- B. Sidecar pod
- C. Overlay network

D. Service mesh

Answer: D

Explanation:

"A service mesh controls the delivery of service requests in an application. Common features provided by a service mesh include service discovery, load balancing, encryption and failure recovery."

<https://www.techtarget.com/searchitoperations/definition/service-mesh>

NEW QUESTION 147

A Linux administrator is scheduling a system job that runs a script to check available disk space every hour. The Linux administrator does not want users to be able to start the job. Given the following:

```
[Unit]
Description=Check available disk space
RefuseManualstart=yes
RefuseManualStop=yes
```

```
[Timer]
Persistent=true
OnCalendar=*-*-*-*:00:00
Unit=checkdiskspace.service
```

```
[Install]
WantedBy=timers.target
```

The Linux administrator attempts to start the timer service but receives the following error message:

```
Failed to start checkdiskspace.timer: Operation refused ...
```

Which of the following is MOST likely the reason the timer will not start?

- A. The checkdiskspace.timer unit should be enabled via systemctl.
- B. The timers.target should be reloaded to get the new configuration.
- C. The checkdiskspace.timer should be configured to allow manual starts.
- D. The checkdiskspace.timer should be started using the sudo command.

Answer: C

NEW QUESTION 151

Joe, a user, is unable to log in to the Linux system. Given the following output:

```
# grep joe /etc/passwd /etc/shadow
/etc/passwd:joe:x:1001:1001::/home/joe:/bin/nologin
/etc/shadow:joe:$6$3uOw6qWx9876jGhgKJedfH987634534voj.:18883:0:99999:7:::
```

Which of the following commands would resolve the issue?

- A. usermod -s /bin/bash joe
- B. pam_tally2 -u joe -r
- C. passwd -u joe
- D. chage -E 90 joe

Answer: A

NEW QUESTION 153

A systems administrator is investigating an issue in which one of the servers is not booting up properly. The journalctl entries show the following:

```
Sep 16 20:30:43 server kernel: acpi PNP0A03:00: _OSC failed (AE_NOT_FOUND);  
-- Subject: Unit dev-mapper-centos\x2dapp.device has failed  
Sep 16 20:32:15 server systemd[1]: Dependency failed for /opt/app  
-- Subject: Unit opt-app.mount has failed  
-- Unit opt-app.mount has failed  
Sep 16 20:32:15 server systemd[1]: Dependency failed for Local File Systems.  
-- Subject: Unit local-fs.target has failed  
-- Unit local-fs.target has failed.  
Sep 16 20:32:15 server systemd[1]: Dependency failed for Relabel all filesystem, if necessary.  
-- Subject: Unit rhel-autorelabel.service has failed  
-- Unit rhel-autorelabel.service has failed.
```

Which of the following will allow the administrator to boot the Linux system to normal mode quickly?

- A. Comment out the /opt/app filesystem in /etc/fstab and reboot.
- B. Reformat the /opt/app filesystem and reboot.
- C. Perform filesystem checks on local filesystems and reboot.
- D. Trigger a filesystem relabel and reboot.

Answer: A

NEW QUESTION 157

A newly created container has been unable to start properly, and a Linux administrator is analyzing the cause of the failure. Which of the following will allow the administrator to determine the FIRST command that is executed inside the container right after it starts?

- A. docker export <container_id>
- B. docker info <container_id>
- C. docker start <container_id>
- D. docker inspect <container_id>

Answer: D

NEW QUESTION 160

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