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IN E W

Actual exam question from CompTIA's XK0-005

Question #: 6

Topic #: 1

[All XK0-005 Questions]

A user is asking the systems administrator for assistance with writing a script to verify whether a file exists. Given the following:

```
#1/bin/bash
filename=$1
<CONDITIONAL>
echo "File exists"
else
echo "File does not exist"
fi
```

Which of the following commands should replace the <CONDITIONAL> string?

```
A. if [ -f "$filename" ]; then
```

- B. if [-d "\$filename"]; then
- C. if [-f "\$filename"] then
- D. if [-f "\$filename"]; while

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Actual exam question from CompTIA's XK0-005

Question #: 7

Topic #: 1

[All XK0-005 Questions]

DRAG DROP -

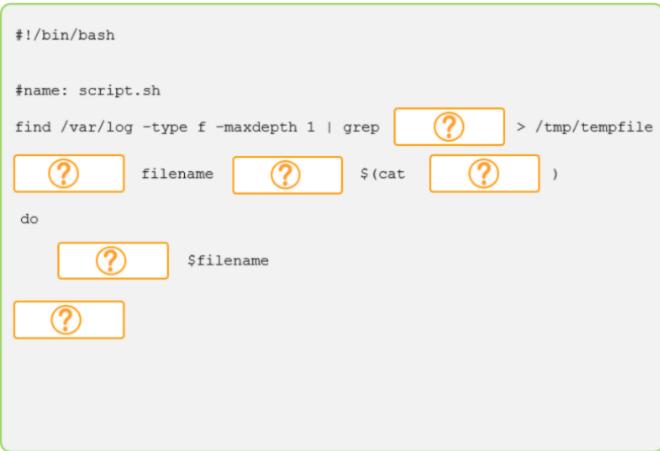
As a Systems Administrator, to reduce disk space, you were tasked to create a shell script that does the following:

Add relevant content to /tmp/script.sh, so that it finds and compresses related files in /var/log without recursion.

INSTRUCTIONS:

Drag and drop snippets to 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.





INEW

Question #: 8

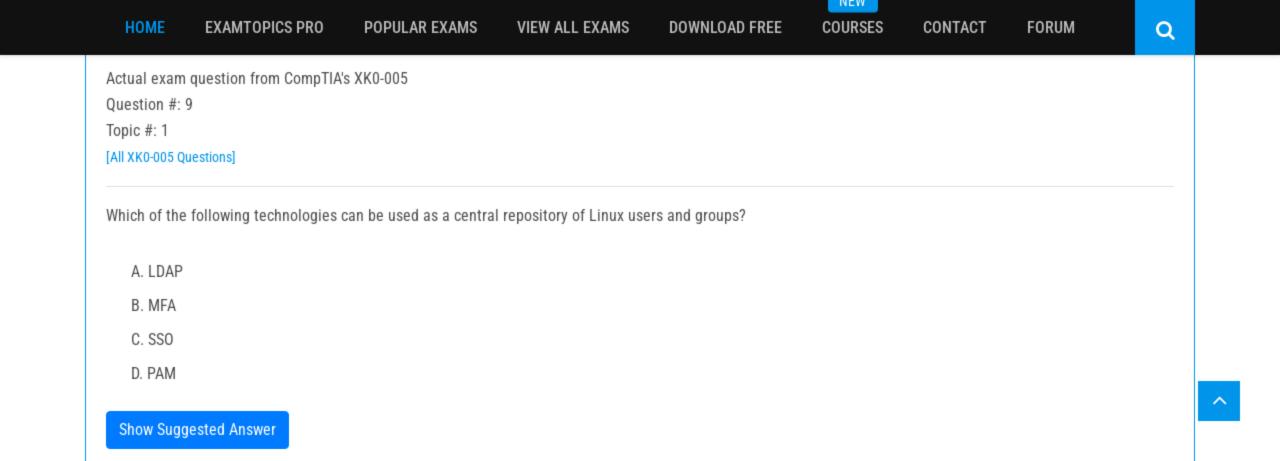
Topic #: 1

[All XK0-005 Questions]

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

Which of the following technologies is the administrator using?

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



Question #: 10

Topic #: 1

[All XK0-005 Questions]

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
```

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.

Question #: 14

Topic #: 1

[All XK0-005 Questions]

When trying to log in remotely to a server, a user receives the following message:

```
Password:
```

```
Last failed login: Wed Sep 15 17:23:45 CEST 2021 from 10.0.4.3 on ssh:notty There were 3 failed login attempts since the last successful login.

Connection to localhost closed.
```

The server administrator is investigating the issue on the server and receives the following outputs:

```
Output 1:
```

```
Output 2:

dzwx-----. 2 user 62 Sep 15 17:17 /home/user

Output 3:

Sep 12 14:14:05 server sshd[22958] Failed password for user from 10.0.2.8

Sep 15 17:24:03 server sshd[8460]: Accepted keyboard-interactive/pam for user from 10.0.6.5 port 50928 ssh2

Sep 15 17:24:03 server sshd[8460]: pam_unix(sshd:session): session opened for user testuser

Sep 15 17:24:03 server sshd[8460]: pam_unix(sshd:session): session closed for user testuser
```

Which of the following is causing the issue?

A. The wrong permissions are on the user's home directory.

user:x:1001:7374::/home/user:/bin/false

- B. The account was locked out due to three failed logins.
- C. The user entered the wrong password.
- D. The user has the wrong shell assigned to the account.

IN E VV

Question #: 17

Topic #: 1

[All XK0-005 Questions]

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.

CONTACT

Actual exam question from CompTIA's XK0-005

Question #: 18

Topic #: 1

[All XK0-005 Questions]

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 -1 | 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 -I -t http_port_tcp 6379

An administrator needs to make some changes in the IaC declaration templates. Which of the following commands would maintain version control?

A. git clone https://github.com/comptia/linux+-.git git push origin

B. git clone https://qithub.com/comptia/linux+-.git git fetch New-Branch

C. git clone https://github.com/comptia/linux+-.git git status

D. git clone https://github.com/comptia/linuxt+-.git git checkout -b <new-branch>

FORUM

Q

Actual exam question from CompTIA's XK0-005

Question #: 22

Topic #: 1

[All XK0-005 Questions]

An administrator attempts to rename a file on a server but receives the following error.

mv: cannot move 'files/readme.txt' to 'files/readme.txt.orig': Operation not permitted.

The administrator then runs a few commands and obtains the following output:

\$ ls -ld files/

drwxrwxrwt.1 users users 20 Sep 10 files/

\$ ls -a files/

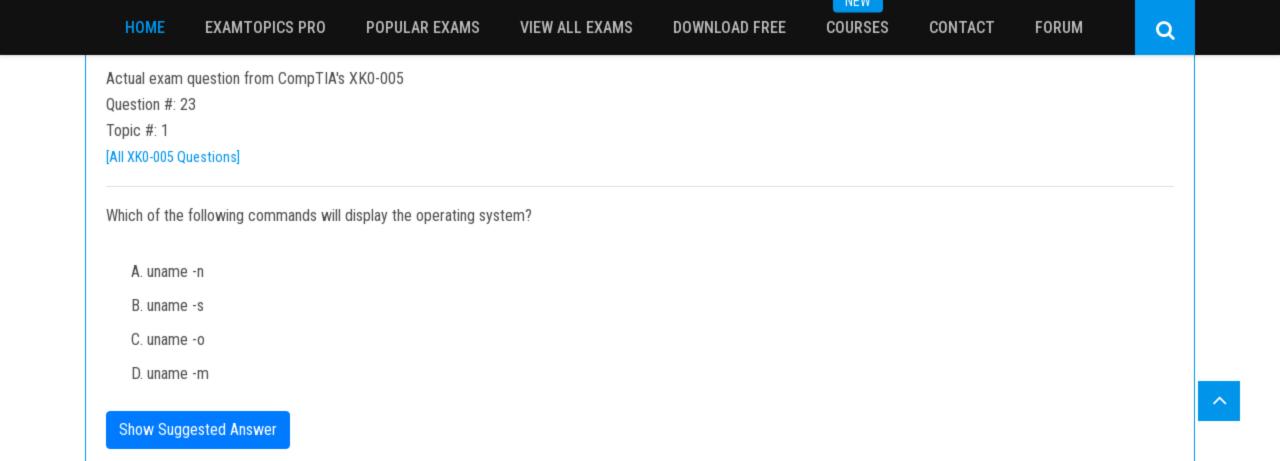
drwxrwxrwt.1 users users 20 Sep 10 15:15

drwxr-xr-x.1 users users 32 Sep 10 15:15

-rw-rw-r--.1 users users 4 Sep 12 readme.txt

Which of the following commands should the administrator run NEXT to allow the file to be renamed by any user?

- A. chgrp reet files
- B. chacl -R 644 files
- C. chown users files
- D. chmod -t files



INEW

Actual exam question from CompTIA's XK0-005

Question #: 24

Topic #: 1

[All XK0-005 Questions]

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?

pvcreate -L1G /dev/app

A. mkfs.xfs /dev/app
mount /dev/app /opt/app

parted /dev/sdb --script mkpart primary xfs 1GB

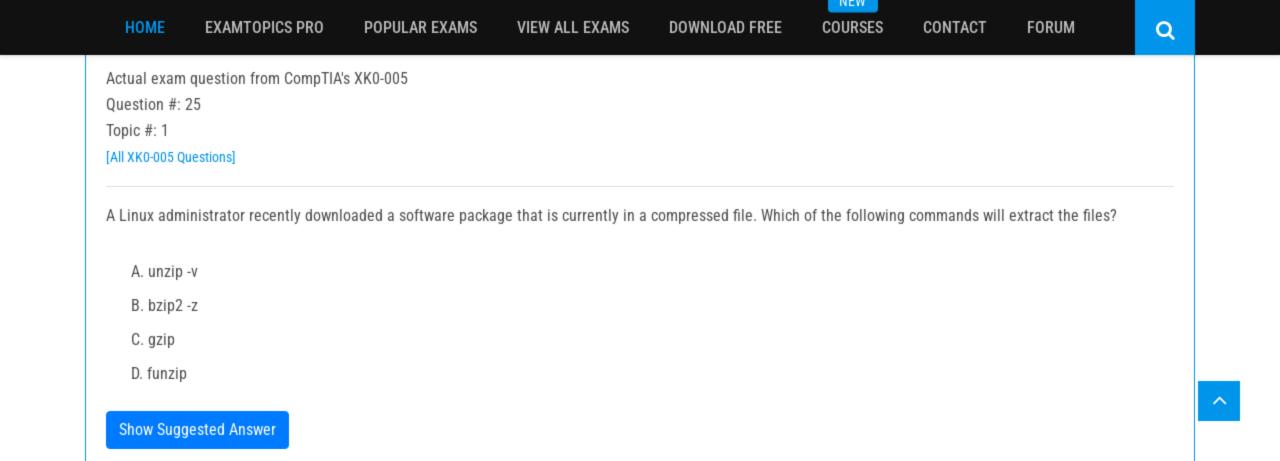
B. mkfs.xfs /dev/sdb mount /dev/sdb /opt/app

lvs --create 1G --name app

C. mkfs.xfs /dev/app
mount /dev/app /opt/app

lvcreate -L 1G -n app app_vq

D. mkfs.xfs /dev/app_vg/app
mount /dev/app vg/app /opt/app



Question #: 26

Topic #: 1

[All XK0-005 Questions]

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 kertnel 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	tcp dpt:22 ctstate NEW, UNTRACKED reject-with icmp-port-unreachable
REJECT	tcp		222.186.180.130	0.0.0.0/0	tcp dpt:22 ctstate NEW, UNTRACKED reject-with icmp-port-unreachable
REJECT	tcp		104.131.1.39	0.0.0.0/0	tcp dpt:22 ctstate NEW, UNTRACKED reject-with icmp-port-unreachable
REJECT	tcp		68.183.196.11	0.0.0.0/0	<pre>tcp dpt:22 ctstate NEW, UNTRACKED reject-with icmp-port-unreachable</pre>
REJECT	tcp		5.189.153.89	0.0.0.0/0	tcp dpt:22 ctstate NEW, UNTRACKED reject-with icmp-port-unreachable
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:

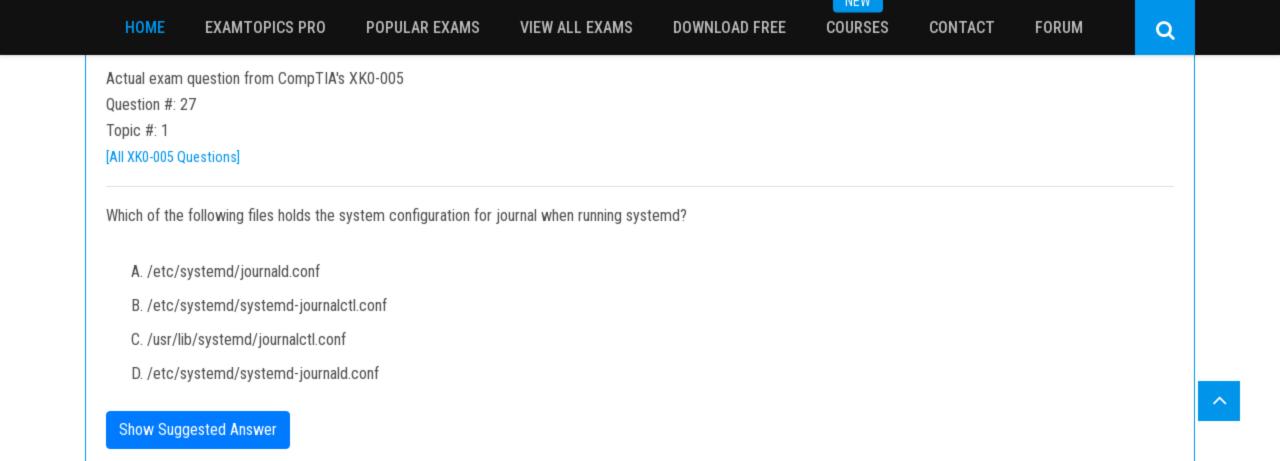
```
eth0: <BROADCAST, MULTICAST, UP, LOWER_UP> mtu 1500 qdisc mg state UP group default link/ether 52:52:00:2a:bb:98 brd 104.21.75.255 scope global eth0 inet 104.21.75.76/24 brd 104.21.75.255 scope qlobal eth0
```

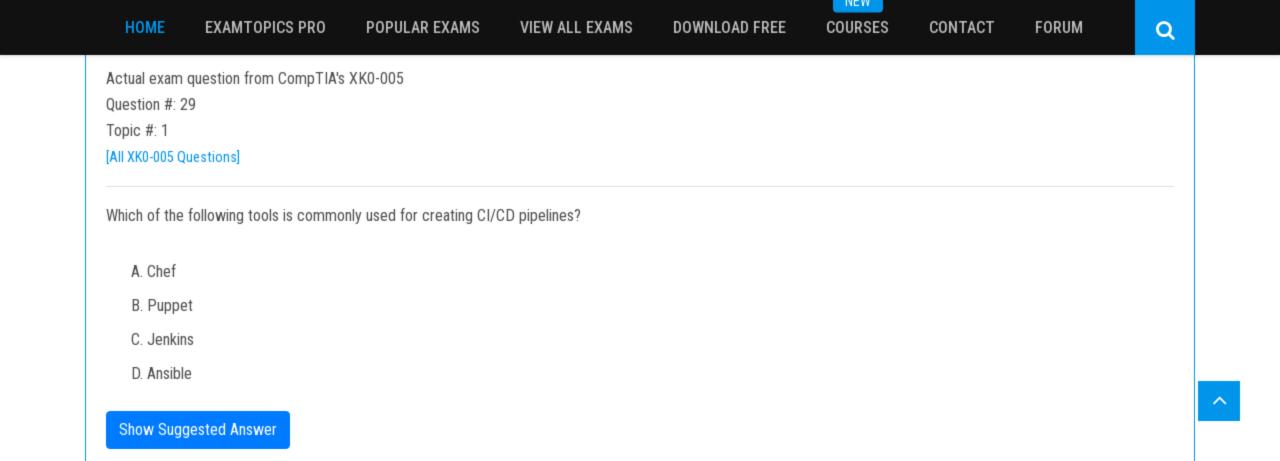
Server output 4:

```
default via 104.21.75.254 dev eth0 104.21.75.0/24 dev eth0 proto kertnel 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.





Question #: 33

Topic #: 1

[All XK0-005 Questions]

A Linux administrator is troubleshooting an issue in which an application service failed to start on a Linux server. The administrator runs a few commands and gets the following outputs:

Output 1:

Dec 23 23:14:15 root systemd[1] logsearch.service: Failed to start Logsearch.

Output 2:

logsearch.service - Log Search
Loaded: loaded (/etc/systemd/system/logsearch.service; enabled; vendor preset:enabled)
Active: failed (Result: timeout)

Process: 3267 ExecStart=/usr/share/logsearch/bin/logger ...

Main PID: 3267 (code=killed, signal=KILL)

Based on the above outputs, which of the following is the MOST likely action the administrator should take to resolve this issue?

- A. Enable the logsearch.service and restart the service.
- B. Increase the TimeoutStartUSec configuration for the logsearch.sevice.
- C. Update the OnCalendar configuration to schedule the start of the logsearch.service.
- D. Update the KillSignal configuration for the logsearch.service to use TERM.

Question #: 34

Topic #: 1

[All XK0-005 Questions]

A Linux administrator has installed a web server, a database server, and a web application on a server. The web application should be active in order to render the web pages. After the administrator restarts the server, the website displays the following message in the browser: Error establishing a database connection. The Linux administrator reviews the following relevant output from the systemd init files:

```
[Unit]
Description=The Apache #HTTP Server
Wants=httpd-init.service
After=network.target remote-fs.target nss-lookup-target httpd-init.service mariadb.service
[Unit]
Description=MariaDB 10.5 database server
After=network.target
```

The administrator needs to ensure that the database is available before the web application is started. Which of the following should the administrator add to the HTTP server .service file to accomplish this task?

- A. TRIGGERS=mariadb.service
- B. ONFAILURE=mariadb.service
- C. WANTEDBY=mariadb.service
- D. REQUIRES=mariadb.service

FORUM

Question #: 35

Topic #: 1

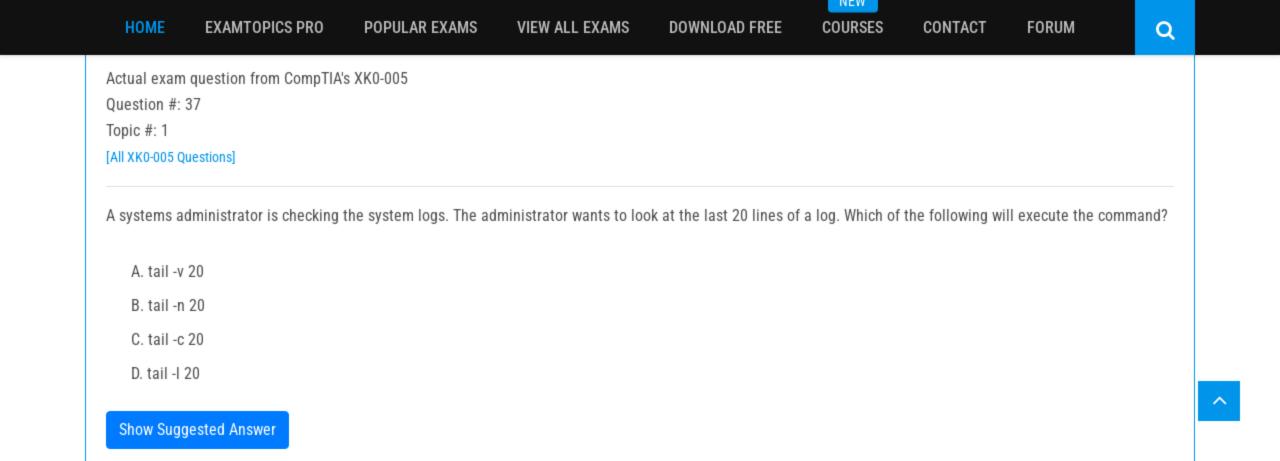
[All XK0-005 Questions]

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 -1 /dev/sdb1
- C. Isblk /dev/sdb1
- D. du -sh /oracle1



Question #: 38

Topic #: 1

[All XK0-005 Questions]

An administrator is trying to diagnose a performance issue and is reviewing the following output:

Device	tps	kB_read/s	kB_wrtn/s	kB_read	kB_wrtn
sdb	345.00	0.02	0.04	4739073123	23849523
sdb1	345.00	32102.03	12203.01	4739073123	23849523

System Properties:

CPU: 4 vCPU -

Memory: 40GB -

Disk maximum IOPS: 690 -

Disk maximum throughput: 44Mbps | 44000Kbps

Based on the above output, which of the following BEST describes the root cause?

- A. The system has reached its maximum IOPS, causing the system to be slow.
- B. The system has reached its maximum permitted throughput, therefore iowait is increasing.
- C. The system is mostly idle, therefore the iowait is high.
- D. The system has a partitioned disk, which causes the IOPS to be doubled.

FORUM

Actual exam question from CompTIA's XK0-005

Question #: 41

Topic #: 1

[All XK0-005 Questions]

A Linux administrator is troubleshooting the root cause of a high CPU load and average.

```
$ uptime
```

07:30:43 up 20 days, 3 min, 1 user, load average: 2.98, 3.62, 5.21

\$ top

PID USER PR NI VIRT RES SHR S %CPU %MEM TIME+ COMMAND 6295 user1 30 -10 5465 56465 8254 R 86.5 1.5 7:35.25 app1

\$ ps -ef | grep user1
user1 6295 1 7:42:19 tty/1 06:48:29 /usr/local/bin/app1

Which of the following commands will permanently resolve the issue?

- A. renice -n -20 6295
- B. pstree -p 6295
- C. iostat -cy 1 5
- D. kill -9 6295

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Actual exam question from CompTIA's XK0-005

Question #: 43

Topic #: 1

[All XK0-005 Questions]

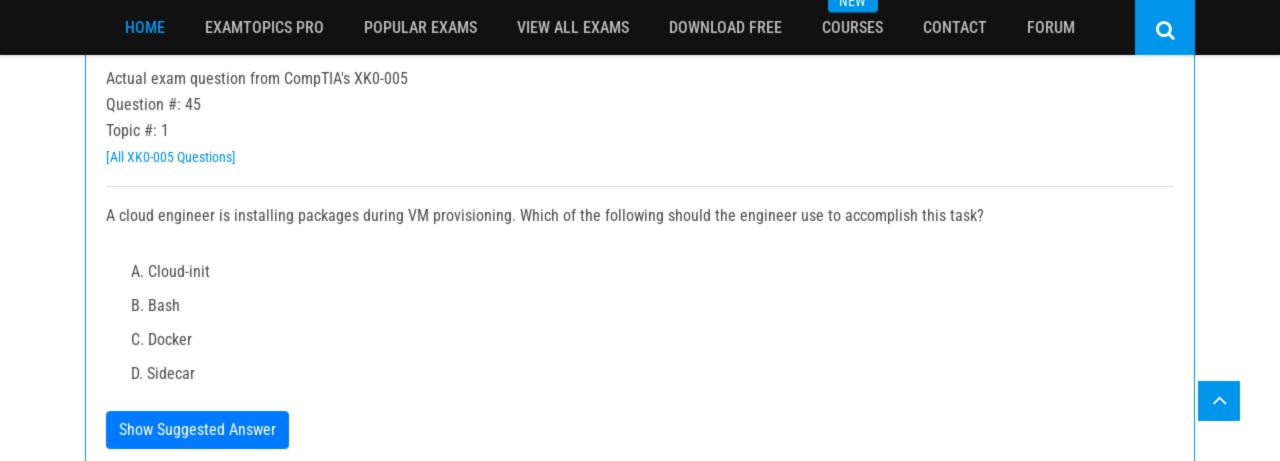
A developer has been unable to remove a particular data folder that a team no longer uses. The developer escalated the issue to the systems administrator. The following output was received:

```
# rmdir data/
rmdir: failed to remove 'data/': Operation not permitted
# rm -rf data/
rm: cannot remove 'data': Operation not permitted
# mv data/ mydata
mv: cannot move 'data/' to 'mydata': Operation not permitted
# cd data/
# cat > test.txt
bash: test.txt: Permission denied
```

Which of the following commands can be used to resolve this issue?

```
A. chgrp -R 755 data/
```

- B. chmod -R 777 data/
- C. chattr -R -i data/
- D. chown -R data/



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Actual exam question from CompTIA's XK0-005

Question #: 46

Topic #: 1

[All XK0-005 Questions]

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

The code is as follows:

```
-name: start an instance with a public IP address community.abc.ec2_instance:
    name: "public-compute-instance"
    key_name: "comptia-ssh-key"
    vpc_subnet_id: subnet-5cjssh1
    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

NEW

Q

FORUM

Actual exam question from CompTIA's XK0-005

Question #: 47

Topic #: 1

[All XK0-005 Questions]

A Linux systems administrator is setting up a new web server and getting 404 - NOT FOUND errors while trying to access the web server pages from the browser. While working on the diagnosis of this issue, the Linux systems administrator executes the following commands:

```
# getenforce
Enforcing

# matchpathcon -V /var/www/html/*
/var/www/html/index.html has context unconfined_u:object_r:user_home_t:s0, should be system_u:object_r:httpd_sys_content_t:s0
/var/www/html/pagel.html has context unconfined u:object r:user home t:s0, should be system_u:object_r:httpd_sys_content_t:s0
```

Which of the following commands will BEST resolve this issue?

- A. sed -i 's/SELINUX=enforcing/SELINUX=disabled/' /etc/selinux/config
- B. restorecon -R -v /var/www/html
- C. setenforce 0
- D. setsebool -P httpd_can_network_connect_db on

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Actual exam question from CompTIA's XK0-005

Ouestion #: 50

Topic #: 1

[All XK0-005 Questions]

target

A systems administrator configured firewall rules using firewalld. However, after the system is rebooted, the firewall rules are not present:

Chain INPUT (policy ACCEPT)

prot opt source

destination

Chain FORWARD (policy ACCEPT)

target prot opt source

destination

Chain OUTPUT (policy ACCEPT)

target prot opt source

destination

The systems administrator makes additional checks:

- dynamic firewall daemon

Loaded: loaded (/usr/lib/systemd/system/firewalld.service: disabled; vendor preset: enabled)

Active: inactive (dead) Docs: man: firewalld (1)

firewalld is not running

Which of the following is the reason the firewall rules are not active?

- A. iptables is conflicting with firewalld.
- B. The wrong system target is activated.
- C. FIREWALL_ARGS has no value assigned.
- D. The firewalld service is not enabled.

Question #: 52

Topic #: 1

[All XK0-005 Questions]

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]

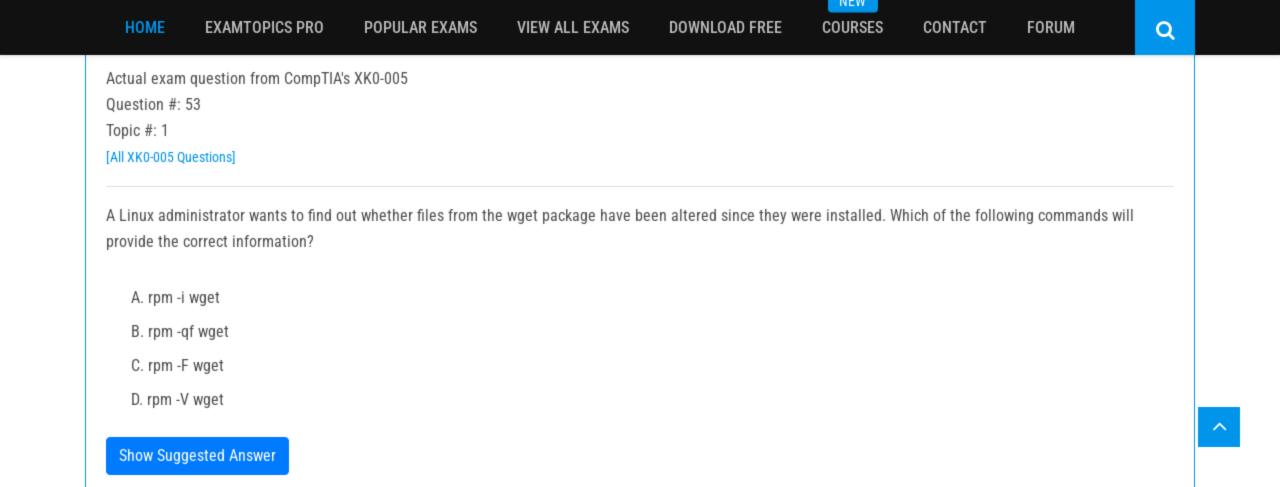
WantedBy=timers.target

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.



Question #: 54

Topic #: 1

[All XK0-005 Questions]

A Linux engineer set up two local DNS servers (10.10.10.10 and 10.10.10.20) and was testing email connectivity to the local mail server using the mail command on a local machine when the following error appeared:

Send-mail: Cannot open mail:25

The local machine DNS settings are:

\$ cat /etc/resolv.conf
nameserver 10.10.10.10 #web records
nameserver 10.10.10.20 #email records

Mail server: mail.example.com

Which of the following commands could the engineer use to query the DNS server to get mail server information?

- A. dig @example.com 10.10.10.20 a
- B. dig @10.10.10.20 example.com mx
- C. dig @example.com 10.10.10.20 ptr
- D. dig @10.10.10.20 example.com ns

IN E VV

Actual exam question from CompTIA's XK0-005

Question #: 55

Topic #: 1

[All XK0-005 Questions]

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.

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

Show Suggested Answer

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Actual exam question from CompTIA's XK0-005

Question #: 57

Topic #: 1

[All XK0-005 Questions]

SIMULATION -

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 -

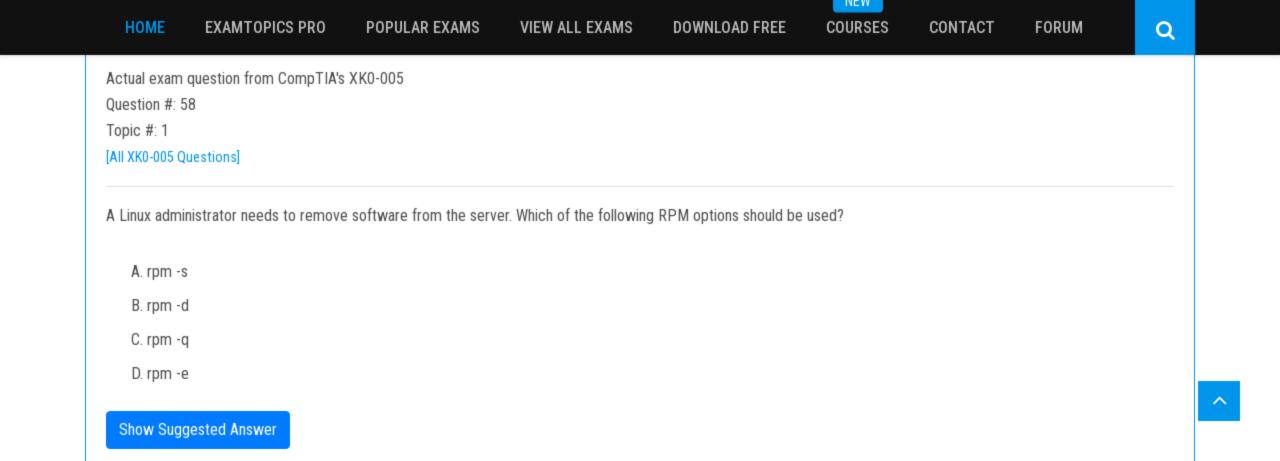
Install Apache and start the service. Verify that the Apache service is running with the defaults.

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





NEW

FORUM

```
Actual exam question from CompTIA's XK0-005
```

Question #: 59

Topic #: 1

[All XK0-005 Questions]

A Linux system fails to start and delivers the following error message:

```
Checking all file systems.

/dev/sda1 contains a file system with errors, check forced.

/dev/sda1: Inodes that were part of a corrupted orphan linked list found.

/dev/sda1: UNEXPECTED INCONSISTENCY;
```

Which of the following commands can be used to address this issue?

- A. fsck.ext4 /dev/sda1
- B. partprobe /dev/sda1
- C. fdisk /dev/sda1
- D. mkfs.ext4 /dev/sda1

Show Suggested Answer

IN E W

Actual exam question from CompTIA's XK0-005

Question #: 60

Topic #: 1

[All XK0-005 Questions]

Based on an organization's new cybersecurity policies, an administrator has been instructed to ensure that, by default, all new users and groups that are created fall within the specified values below.

```
# Min/max values for automatic uid selection in useradd
#
UID_MIN 1000
UID_MAX 60000
# Min/max values for automatic gid selection in groupadd
#
GID_MIN 1000
GID_MAX 60000
```

To which of the following configuration files will the required changes need to be made?

- A. /etc/login.defs
- B. /etc/security/limits.conf
- C. /etc/default/useradd
- D. /etc/profile

Question #: 61

Topic #: 1

[All XK0-005 Questions]

```
A Linux administrator is trying to remove the ACL from the file /home/user/data. txt but receives the following error message:
```

```
setfacl: data.txt: operation not permitted
```

Given the following analysis:

```
/dev/mapper/linux-home on /home type xfs (rw,relatime,seclabel,attr2,inode64,usrquota)
```

```
-rw-rw-r--+ 1 user staff 2354 Sep 15 16:33 data.txt
-rw-rw-r--+ user staff unconfined_u:object_r:user_home_t:s0 data.txt
```

```
# file: data.txt
# owner: user
# group: staff
```

user::rw-

user:accounting:rw-

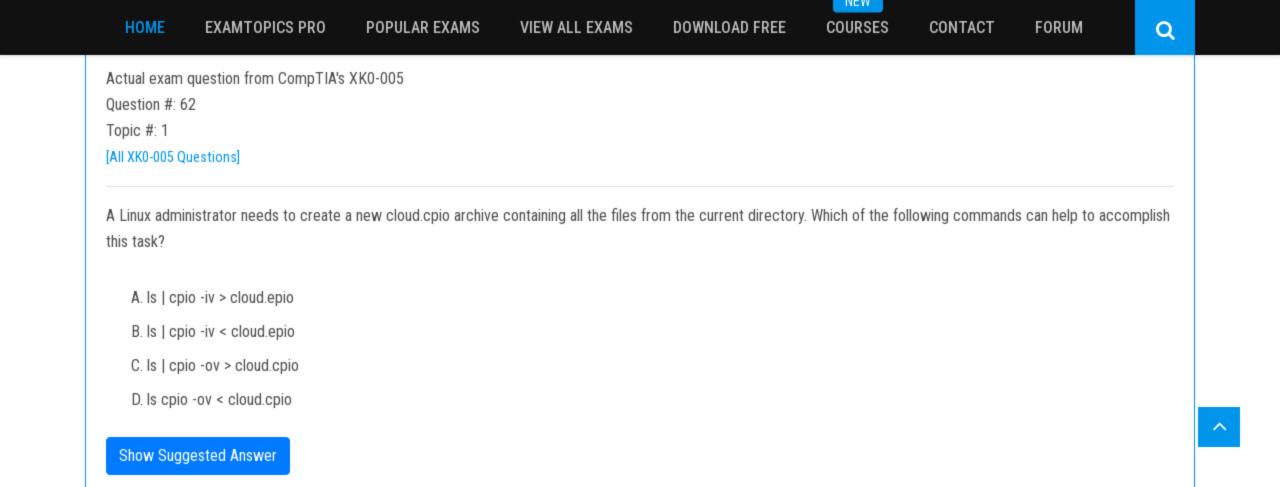
group::rmask::rwother::r-

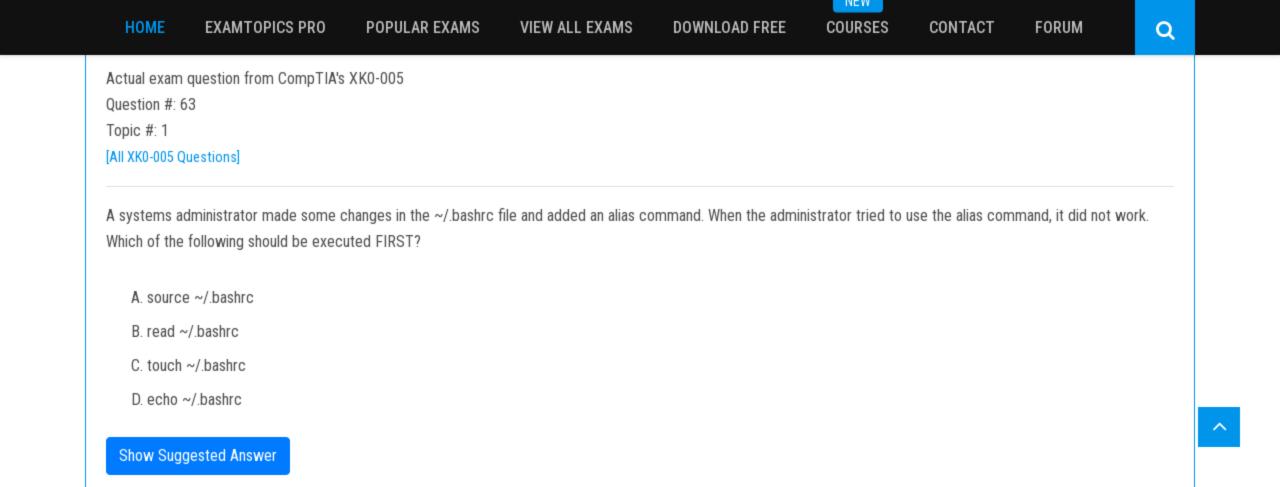
Attributes:

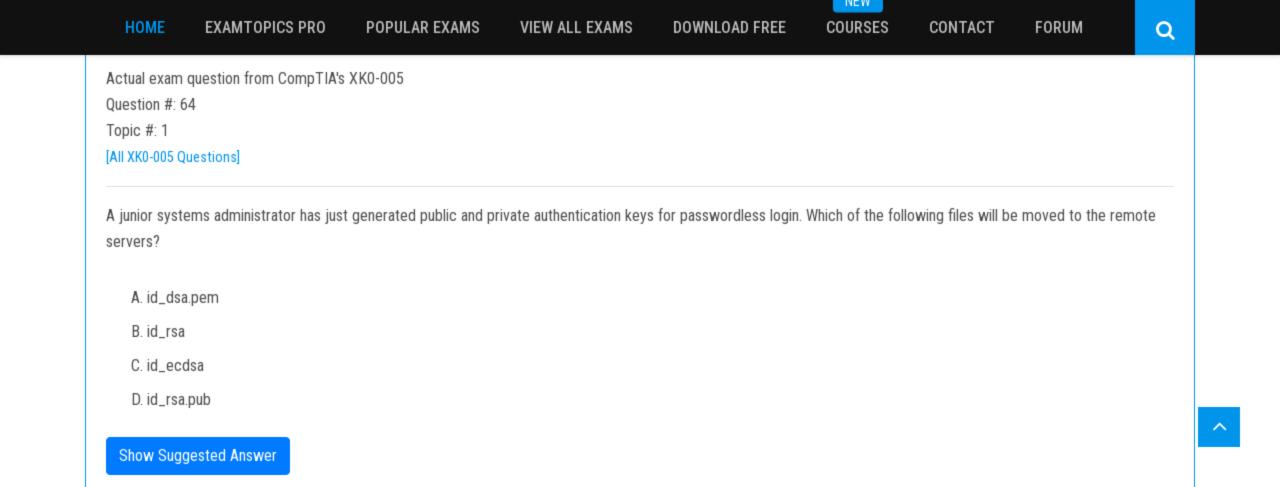
----a-----

Which of the following is causing the error message?

- A. The administrator is not using a highly privileged account.
- B. The filesystem is mounted with the wrong options.
- C. SELinux file context is denying the ACL changes.
- D. File attributes are preventing file modification.







Question #: 65

Topic #: 1

[All XK0-005 Questions]

A Linux administrator cloned an existing Linux server and built a new server from that clone. The administrator encountered the following error after booting the cloned server:

Device mismatch detected

The administrator performed the commands listed below to further troubleshoot and mount the missing filesystem:

```
#ls -al /dev/disk/by-uuid/
total 0
drwxr-xr-x 2 root 220 Jul 08:59 .
drwxr-xr-x 2 root 160 Jul 08:59 ..
lrwxrwxrwx 1 root 26 Jul 11:10 2251a54-6c14-9187-df8629373 -> ../../sdb
lrwxrwxrwx 1 root 26 Jul 11:10 4211c54-2a13-7291-bd8629373 -> ../../sdc
lrwxrwxrwx 1 root 26 Jul 11:10 3451b54-6d10-3561-ad8629373 -> ../../sdd
```

Which of the following should administrator use to resolve the device mismatch issue and mount the disk?

- A. mount disk by device-id
- B. fsck -A
- C. mount disk by-label
- D. mount disk by-blkid

NEW

Actual exam question from CompTIA's XK0-005

Question #: 66

Topic #: 1

[All XK0-005 Questions]

A systems administrator installed a new software program on a Linux server. When the systems administrator tries to run the program, the following message appears on the screen.

Hardware virtualization support is not available on this system. Either is not present or disabled in the system's BIOS

Which of the following commands will allow the systems administrator to check whether the system supports virtualization?

- A. dmidecode -s system-version
- B. Iscpu
- C. sysctl -a
- D. cat /sys/device/system/cpu/possible

Show Suggested Answer

IA C AA

CONTACT

Actual exam question from CompTIA's XK0-005

Question #: 70

Topic #: 1

[All XK0-005 Questions]

A junior administrator is setting up a new Linux server that is intended to be used as a router at a remote site. Which of the following parameters will accomplish this goal?

- echo 1 > /proc/sys/net/ipv4/ip_forward
 iptables -t nat -A PREROUTING -i eth0 -j MASQUERADE
- echo 1 > /proc/sys/net/ipv4/ip_forward
 iptables -t nat -D POSTROUTING -o eth0 -j MASQUERADE
- echo 1 > /proc/sys/net/ipv4/ip_forward

 iptables -t nat -A POSTROUTING -o eth0 -j MASQUERADE
- echo 1 > /proc/sys/net/ipv4/ip_forward

 iptables -t nat -A PREROUTING -o eth0 -j MASQUERADE

Q

FORUM

Actual exam question from CompTIA's XK0-005

Question #: 71

Topic #: 1

[All XK0-005 Questions]

Some servers in an organization have been compromised. Users are unable to access to the organization's web page and other services. While reviewing the system log, a systems administrator notices messages from the kernel regarding firewall rules:

Which of the following commands will remediate and help resolve the issue?

- IPtables -A FORWARD -i eth0 -p tcp --dport 80 -j ACCEPT
 IPtables -A FORWARD -i eth0 -p tcp --dport 22 -j ACCEPT
- IPtables -A INPUT -i eth0 -p tcp --dport 80 -j ACCEPT

 IPtables -A INPUT -i eth0 -p tcp --dport 22 -j ACCEPT
- IPtables -A INPUT -i eth0 -p tcp --sport 80 -j ACCEPT

 IPtables -A INPUT -i eth0 -p tcp --sport 22 -j ACCEPT
- IPtables -A INPUT -i eth0 -p tcp --dport :80 -j ACCEPT
 IPtables -A INPUT -i eth0 -p tcp --dport :22 -j ACCEPT

Question #: 72

Topic #: 1

[All XK0-005 Questions]

A junior administrator is trying to set up a passwordless SSH connection to one of the servers. The administrator follows the instructions and puts the key in the authorized_key file at the server, but the administrator is still asked to provide a password during the connection.

Given the following output:

Which of the following commands would resolve the issue and allow an SSH connection to be established without a password?

- A. restorecon -rv .ssh/authorized_key
- B. mv .ssh/authorized_key .ssh/authorized_keys
- C. systemctl restart sshd.service
- D. chmod 600 mv .ssh/authorized_key

Show Suggested Answer

Question #: 73

Topic #: 1

[All XK0-005 Questions]

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

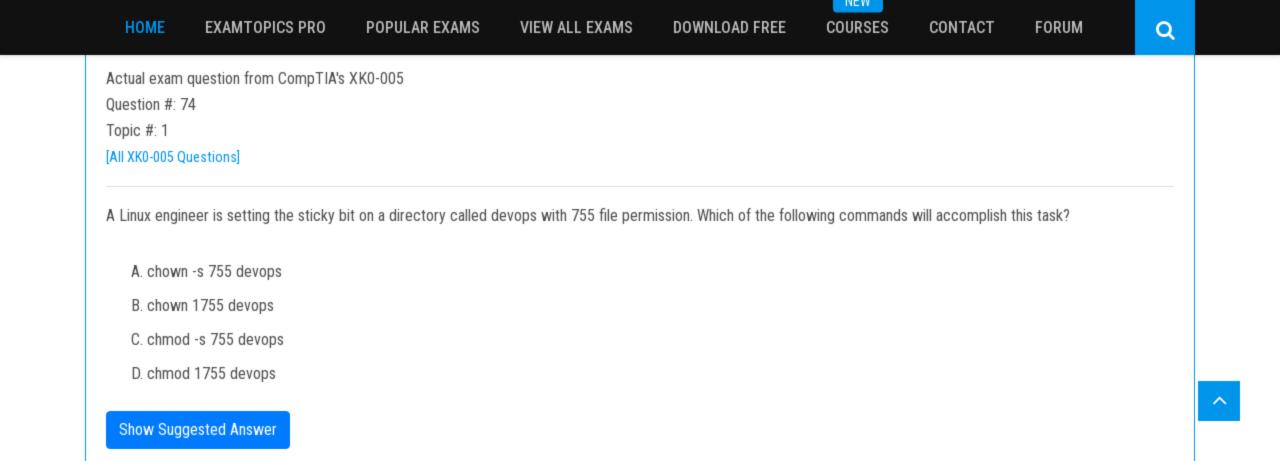
ls -1 startup file

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.



Question #: 75

Topic #: 1

[All XK0-005 Questions]

A Linux administrator booted up the server and was presented with a non-GUI terminal. The administrator ran the command systematly isolate graphical target and rebooted the system by running systematic 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?

Q

- 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.

NEW

Actual exam question from CompTIA's XK0-005

Question #: 76

Topic #: 1

[All XK0-005 Questions]

Users report that connections to a MariaDB service are being closed unexpectedly. A systems administrator troubleshoots the issue and finds the following message in /var/log/messages:

dbserver kernel: out of Memory: Killed process 1234 (mysqld).

Which of the following is causing the connection issue?

- A. The process mysqld is using too many semaphores.
- B. The server is running out of file descriptors.
- C. Something is starving the server resources.
- D. The amount of RAM allocated to the server is too high.

Show Suggested Answer

^

IN E W

Actual exam question from CompTIA's XK0-005

Question #: 78

Topic #: 1

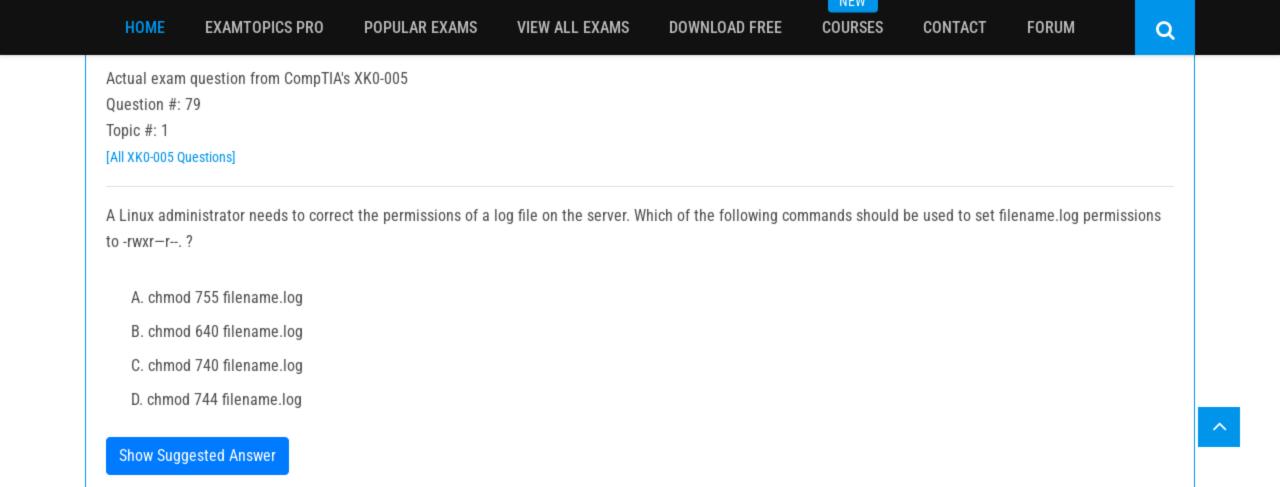
[All XK0-005 Questions]

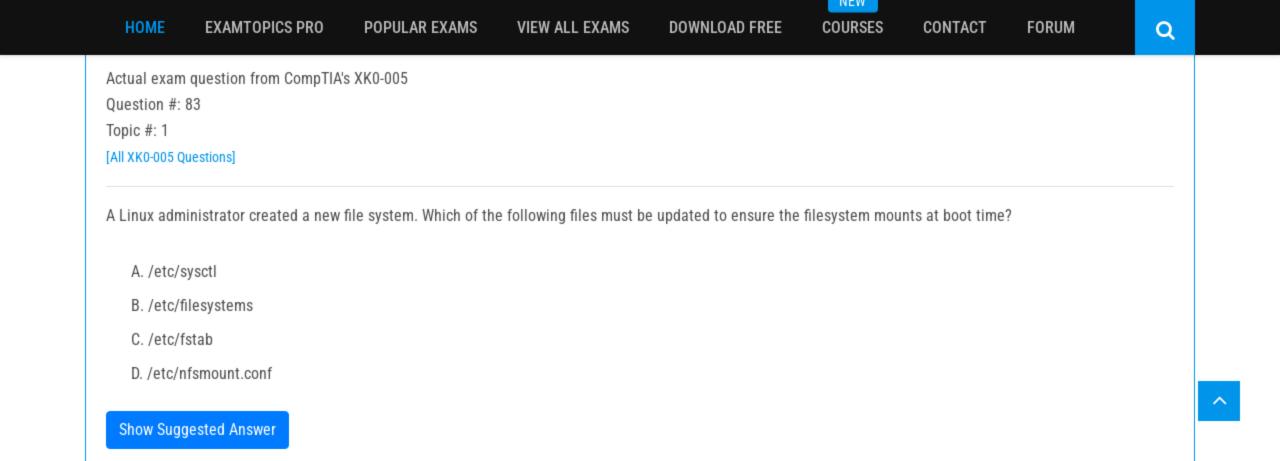
A systems administrator is implementing a new service task with systems at startup and needs to execute a script entitled test.sh with the following content:

```
TIMESTAMP=$ (date '+%Y-%m-%d %H:%M:%S')
echo "helpme.service: timestamp $(Timestamp)" | systemd-cat -p info
sleep 60
done
```

The administrator tries to run the script after making it executable with chmod +x; however, the script will not run. Which of the following should the administrator do to address this issue? (Choose two.)

- A. Add #!/bin/bash to the bottom of the script.
- B. Create a unit file for the new service in /etc/systemd/system/ with the name helpme.service in the location.
- C. Add #!//bin/bash to the top of the script.
- D. Restart the computer to enable the new service.
- E. Create a unit file for the new service in /etc/init.d with the name helpme.service in the location.
- F. Shut down the computer to enable the new service.





Question #: 84

Topic #: 1

[All XK0-005 Questions]

A Linux administrator is troubleshooting a memory-related issue. Based on the output of the commands:

- \$ vmstat -s --unit M
- 968 M total memory
- 331 M used memory
- 482 M active memory
- 279 M inactive memory
 - 99 M free memory
- \$ free -h

	total	used	free	shared	buff/cache	available
Mem:	968M	331M	95M	13M	540M	458M

Swap: 0 0 0

\$ ps -aux | grep script.sh

USER PID %CPU %MEM VSZ RSS TTY STAT START TIME COMMAND

user 8321 2.8 40.5 3224846 371687 7 SN 16:49 2:09 /home/user/script.sh

Which of the following commands would address the issue?

- A. top -p 8321
- B. kill -9 8321
- C. renice -10 8321
- D. free 8321

IA C AA

Actual exam question from CompTIA's XK0-005

Question #: 86

Topic #: 1

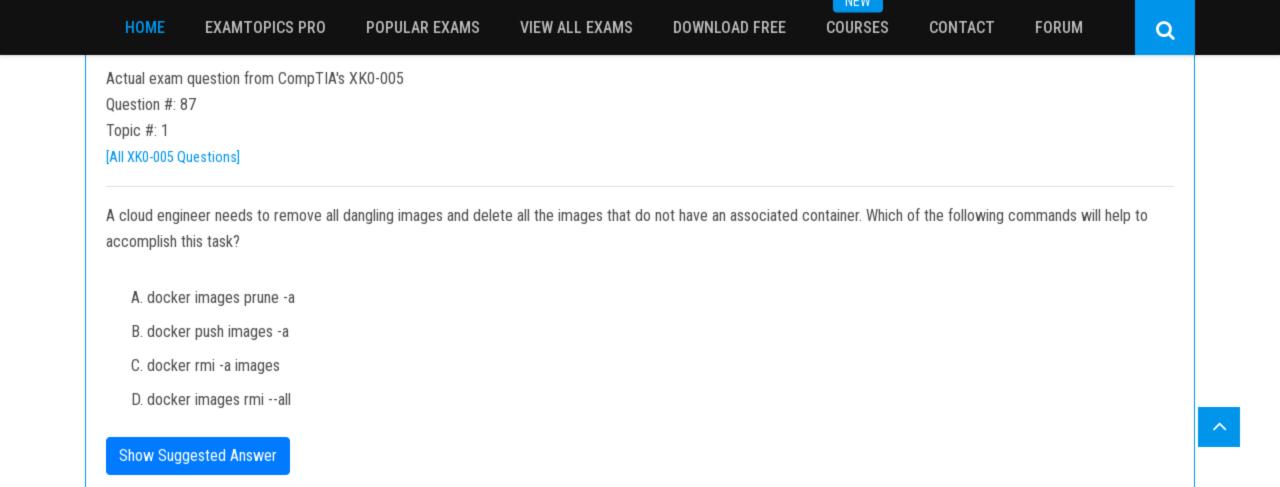
[All XK0-005 Questions]

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



Question #: 88

Topic #: 1

[All XK0-005 Questions]

A Linux system is failing to boot with the following error:

error: no such partitions Entering rescue mode... grub rescue>

Which of the following actions will resolve this issue? (Choose two.)

- A. Execute grub-install --root-directory=/mnt and reboot.
- B. Execute grub-install /dev/sdX and reboot.
- C. Interrupt the boot process in the GRUB menu and add rescue to the kernel line.
- D. Fix the partition modifying /etc/default/grub and reboot.
- E. Interrupt the boot process in the GRUB menu and add single to the kernel line.
- F. Boot the system on a LiveCD/ISO.

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Actual exam question from CompTIA's XK0-005

Question #: 91

Topic #: 1

[All XK0-005 Questions]

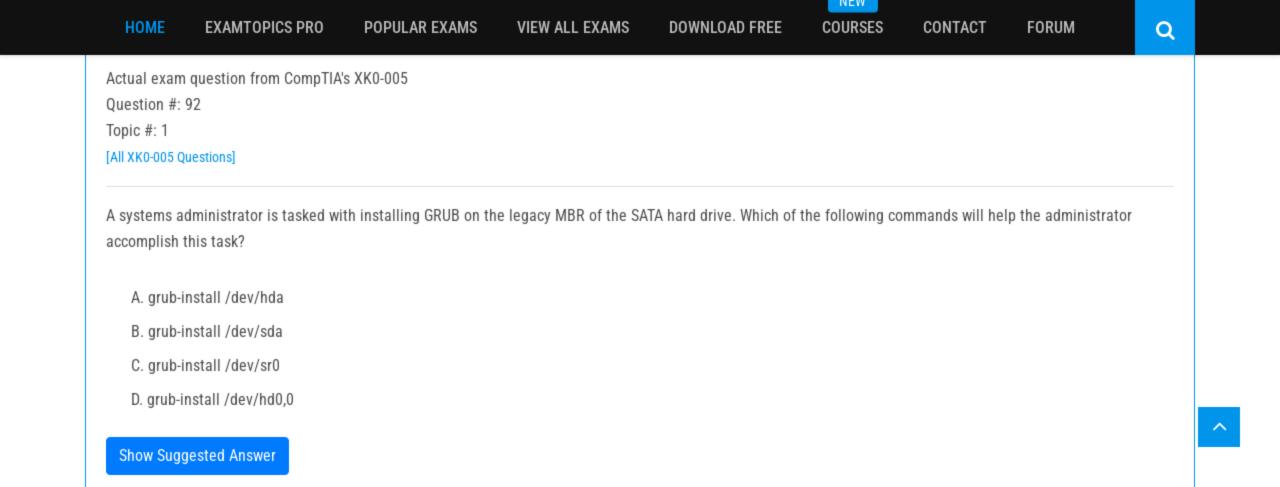
A systems administrator is investigating why one of the servers has stopped connecting to the internet.

```
#curl http://google.com
curl: (6) Could not resolve host: google.com
#cat /etc/resolv.conf
search user.company.com company.com
#nameserver 10.10.10.10
#ip route
0.0.0.0/0 via 10.0.5.1 dev eth0 proto static metric 100
10.0.0.0/16 dev eth0 proto kernel scope link src 10.0.3.60 metric 101
#nmcli connection show
NAME
                       UUID
                                                                   TYPE
                                                                                DEVICE
eth0
                       ba4a3d30-efdc-4fa5-83d3-3721fd4aff75
                                                                   ethernet
                                                                                eth0
Wired connection 1 8d569d5a-22a2-356d-8532-9a2638f11b5a5
                                                                   ethernet
```

Which of the following is causing the issue?

- A. The DNS address has been commented out in the configuration file.
- B. The search entry in the /etc/resolv.conf file is incorrect.
- C. Wired connection 1 is offline.
- D. No default route is defined.

Q



Q

FORUM

Actual exam question from CompTIA's XK0-005

Question #: 93

Topic #: 1

[All XK0-005 Questions]

A junior Linux administrator is tasked with installing an application. The installation guide states the application should only be installed in a run level 5 environment.

\$ systemctl get-default
getty.target

Which of the following commands would ensure the server is set to runlevel 5?

- A. systemctl isolate multi-user.target
- B. systemctl isolate graphical.target
- C. systemctl isolate network.target
- D. systemctl isolate basic.target

Show Suggested Answer

^

FORUM

Q

Actual exam question from CompTIA's XK0-005

Question #: 97

Topic #: 1

[All XK0-005 Questions]

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 -1 /dev/sdb
- C. growpart /dev/mapper/rootvg-rootly
- D. pvcreate /dev/sdb
- E. lvresize -L +10G -r /dev/mapper/rootvg-rootly
- F. Isblk /dev/sda
- G. parted -I /dev/mapper/rootvg-rootly
- H. vgextend /dev/rootvg /dev/sdb

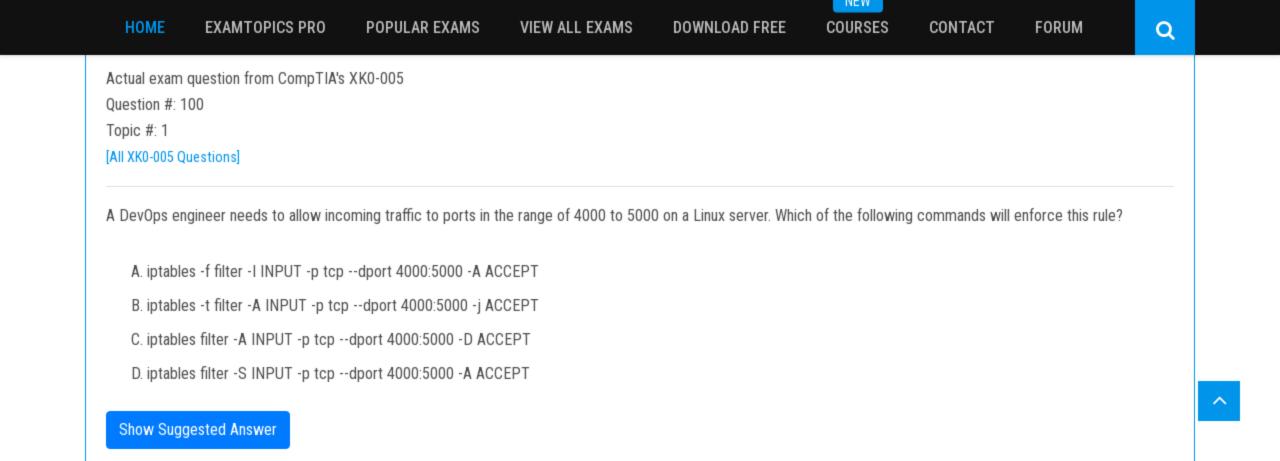
Question #: 99

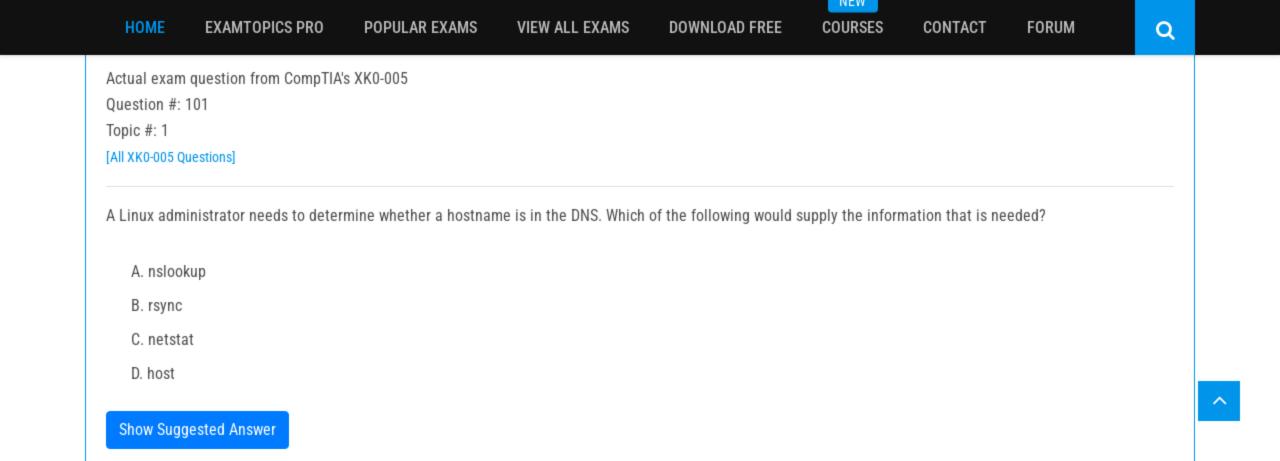
Topic #: 1

[All XK0-005 Questions]

A Linux system is failing to start due to issues with several critical system processes. Which of the following options can be used to boot the system into the single user mode? (Choose two.)

- A. Execute the following command from the GRUB rescue shell: mount -o remount, ro/sysroot.
- B. Interrupt the boot process in the GRUB menu and add systemd.unit=single in the kernel line.
- C. Interrupt the boot process in the GRUB menu and add systemd.unit=rescue.target in the kernel line.
- D. Interrupt the boot process in the GRUB menu and add single=user in the kernel line.
- E. Interrupt the boot process in the GRUB menu and add init=/bin/bash in the kernel line.
- F. Interrupt the boot process in the GRUB menu and add systemd.unit=single.target in the kernel line.





Question #: 102

Topic #: 1

[All XK0-005 Questions]

A server is experiencing intermittent connection issues. Some connections to the Internet work as intended, but some fail as if there is no connectivity. The systems administrator inspects the server configuration:

Routing table:

```
default via 89.107.157.129 dev ens3 proto static metric 100 default via 10.0.5.1 dev ens11 proto dhcp metric 101 10.0.0.0/16 dev sn11 proto kernel scope link src 10.0.6.225 metric 101 89.107.157.128/26 via 89.107.157.129 dev ens3 proto static metric 100 89.107.157.129 dev ens3 proto static scope link metric 100 89.107.157.160/29 dev ens3 proto kernel scope link src 89.107.157.161 metric 100
```

IP configuration:

ens3:

```
inet 89.107.157.161/29 brd 89.107.157.167 scope global neprefixroute ens3
ns11:
  inet 10.0.6.225/16 brd 10.0.255.255 scope global noprefixroute dynamic ens11
```

ARP table:

Address	Hwtype	Hwaddress	Flags	Mask	Iface
10.0.5.1	ether	64:d1:54:c4:75:cb	C		ens11
89.107.157.129	ether	5c:5e:ab:01:85:cf	С		ens3
89.107.157.162	ether	52:54:00:e1:44:0a	C		ens3
10.0.255.1	ether	00:50:7f:e3:aa:1c	C		ens11

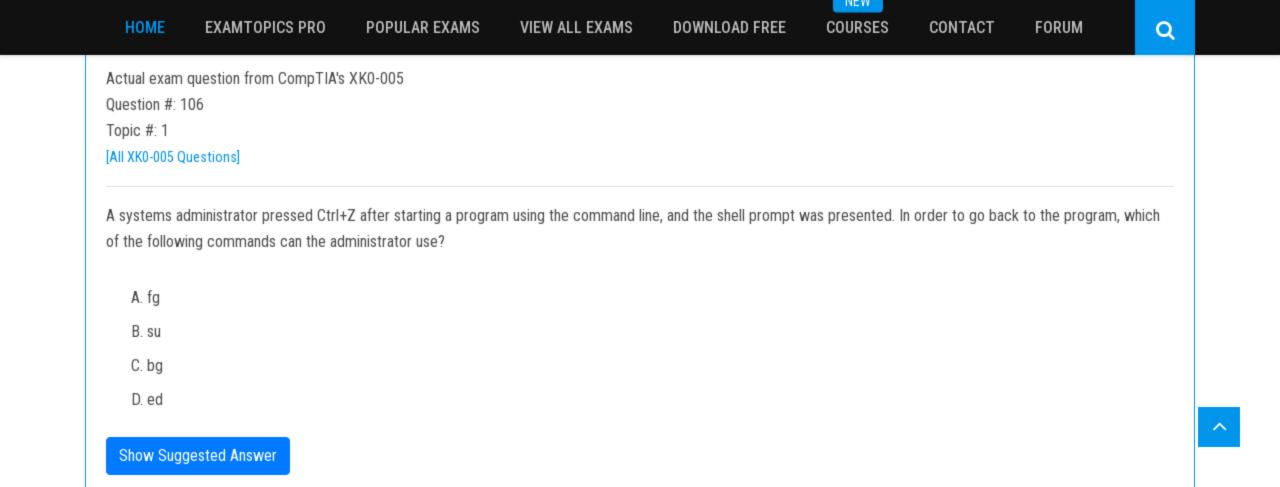
/etc/resolv.conf: Generated by NetworkHanager search company.com nameserver 10.0.5.1

Which of the following is MOST likely the cause of the issue?

- A. An internal-only DNS server is configured.
- B. The IP netmask is wrong for ens3.
- C. Two default routes are configured.
- D. The ARP table contains incorrect entries.

IAC AA

IACAA



Question #: 107

Topic #: 1

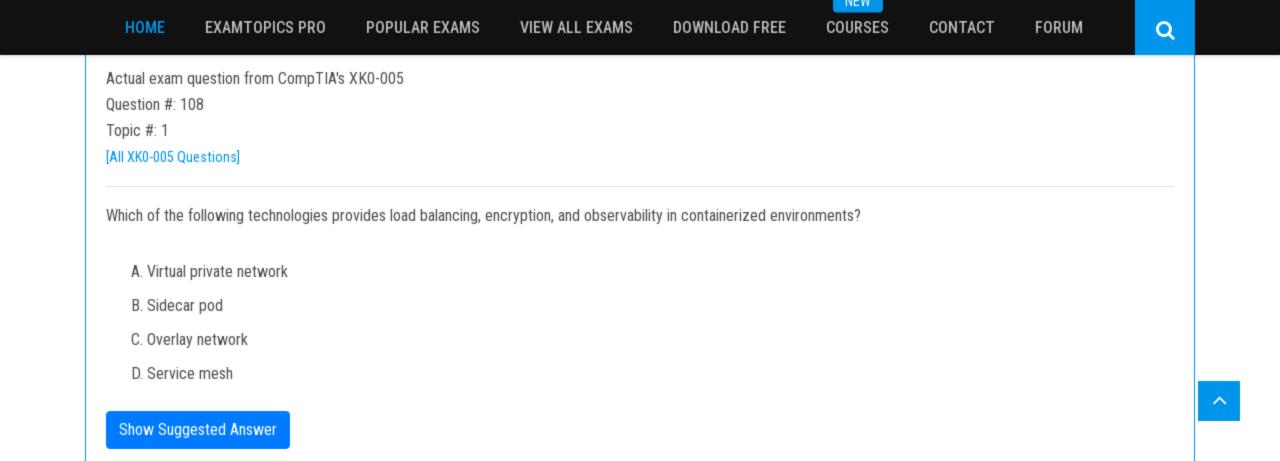
[All XK0-005 Questions]

A systems administrator received a notification that a system is performing slowly. When running the top command, the systems administrator can see the following values:

%Cpu(s): 2.7 us, 1.9 sy, 0.0 ni, 0.4 id, 95 wa, 0.0 hi, 0.0 si 0.0 st

Which of the following commands will the administrator most likely run NEXT?

- A. vmstat
- B. strace
- C. htop
- D. Isof



Question #: 110

Topic #: 1

[All XK0-005 Questions]

A systems administrator is receiving tickets from users who cannot reach the application app that should be listening on port 9443/tcp on a Linux server. To troubleshoot the issue, the systems administrator runs netstat and receives the following output:

Based on the information above, which of the following is causing the issue?

- A. The IP address 0.0.0.0 is not valid.
- B. The application is listening on the loopback interface.
- C. The application is listening on port 1234.
- D. The application is not running.

NEW

FORUM

Actual exam question from CompTIA's XK0-005

Question #: 111

Topic #: 1

[All XK0-005 Questions]

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.

Question #: 112

Topic #: 1

[All XK0-005 Questions]

Users have been unable to reach www.comptia.org from a Linux server. A systems administrator is troubleshooting the issue and does the following:

Output 1:

```
2: eth0: <BROADCAST,MULTICAST,UP, LOWER_UP> mtu 1500 qdisc noqueue state UP group default qlen 1000
link/ether ac:11:22:33:44:cd brd ff:ff:ff:ff:ff
inet 192.168.168.10/24 brd 192.168.169.255 scope global dynamic noprefixroute eth0
    valid_lft 8097sec preferred_lft 8097sec
inet fe80::4daf:8c7c:a6ff:2771/64 scope link noprefixroute
    valid_lft forever preferred_lft forever
```

Output 2:

nameserver 192.168.168.53

Output 3:

```
FING 192.168.168.53 (192.168.168.53) 56(84) bytes of data.
64 bytes from 192.168.168.53: icmp_seq=1 ttl=64 time=2.85 ms

--- 192.168.168.53 ping statistics ---
1 packets transmitted, 1 received, 0% packet loss, time 0ms
rtt min/avg/max/mdev = 2.847/2.847/2.847/0.000 ms
```

Output 4:

192.168.168.0/24 dev eth0 proto kernel scope link src 192.168.168.10 metric 600

Output 5:

```
;; QUESTION SECTION:
;;www.comptia.org. IN A

;; ANSWER SECTION:
. 0 CLASS4096 OPT 10 8 LgmNvk0AazU=

;; ADDITIONAL SECTION:
www.comptia.org. 3385 IN A 23.96.239.26
```

Based on the information above, which of the following is causing the issue?

- A. The name www.comptia.org does not point to a valid IP address.
- B. The server 192.168.168.53 is unreachable.
- C. No default route is set on the server.
- D. The network interface eth0 is disconnected.

Question #: 114

Topic #: 1

[All XK0-005 Questions]

A Linux administrator was notified that a virtual server has an I/O bottleneck. The Linux administrator analyzes the following output:

r	b	swpd	free	buff	cache	si	50	bi	bo	in	CS	us	sy	id	wa	st
13	0	5520	141228	98932	2325312	0	2	10	28	192	167	1	0	99	0	0
10	0	5608	131280	98932	2325324	0	26211	0	26211	342	393	91	9	0	0	0
10	0	5528	1096	98932	2325324	0	5242	0	5242	333	402	96	4	0	0	0

root@linux:~# free -m

total used free shared buff/cache available Mem: 3933 1454 110 33 2368 2202

Swap: 1497 5 1491

Given there is a single CPU in the sever, which of the following is causing the slowness?

- A. The system is running out of swap space.
- B. The CPU is overloaded.
- C. The memory is exhausted.
- D. The processes are paging.

Q

Question #: 115

Topic #: 1

[All XK0-005 Questions]

Employees in the finance department are having trouble accessing the file /opt/work/file. All IT employees can read and write the file. Systems administrator reviews the following output:

Which of the following commands would permanently fix the access issue while limiting access to IT and finance department employees?

- A. chattr +i file
- B. chown it:finance file
- C. chmod 666 file
- D. setfacl -m g:finance:rw file

Q

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Actual exam question from CompTIA's XK0-005

Question #: 116

Topic #: 1

[All XK0-005 Questions]

A Linux engineer needs to create a custom script, cleanup.sh, to run at boot as part of the system services. Which of the following processes would accomplish this task?

A. Create a unit file in the /etc/default/ directory.

systemctl enable cleanup

systemctl is-enabled cleanup

B. Create a unit file in the /etc/ske1/ directory.

systemctl enable cleanup

systemctl is-enabled cleanup

C. Create a unit file in the /etc/systemd/system/ directory.

systemctl enable cleanup

systemctl is-enabled cleanup

D. Create a unit file in the /etc/sysctl.d/ directory.

systemctl enable cleanup

systemctl is-enabled cleanup

NEW

Actual exam question from CompTIA's XK0-005

Question #: 117

Topic #: 1

[All XK0-005 Questions]

A Linux system is failing to boot. The following error is displayed in the serial console:

[[1;33mDEPEND[Om] Dependency failed for /data.

[[1;33mDEPEND[Om] Dependency failed for Local File Systems

..

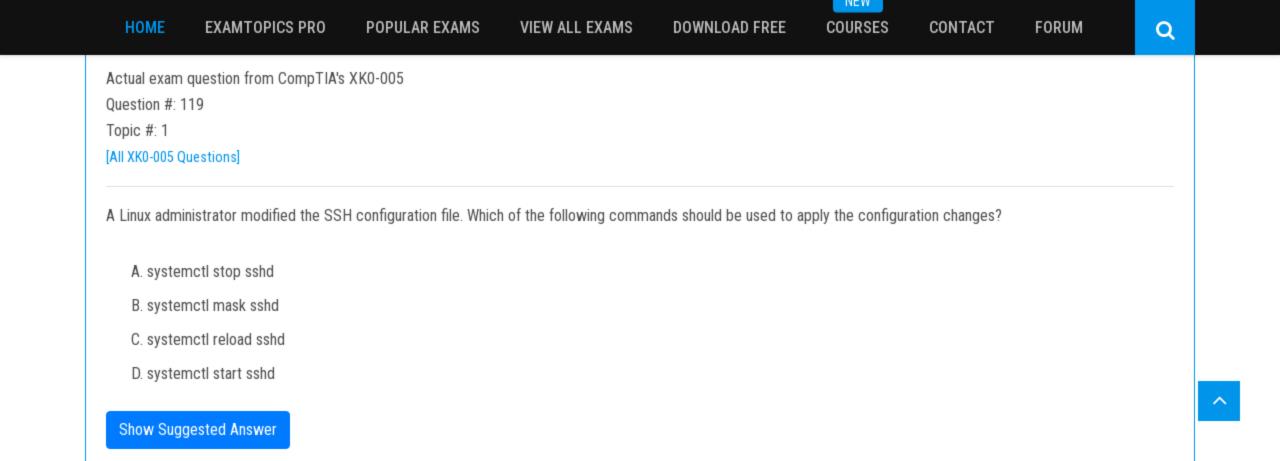
Welcome to emergency mode! After logging in, type "journalctl -xb" to viewsystem logs, "systemctl reboot" to reboot, "systemctl default" to try again to boot into default mode.

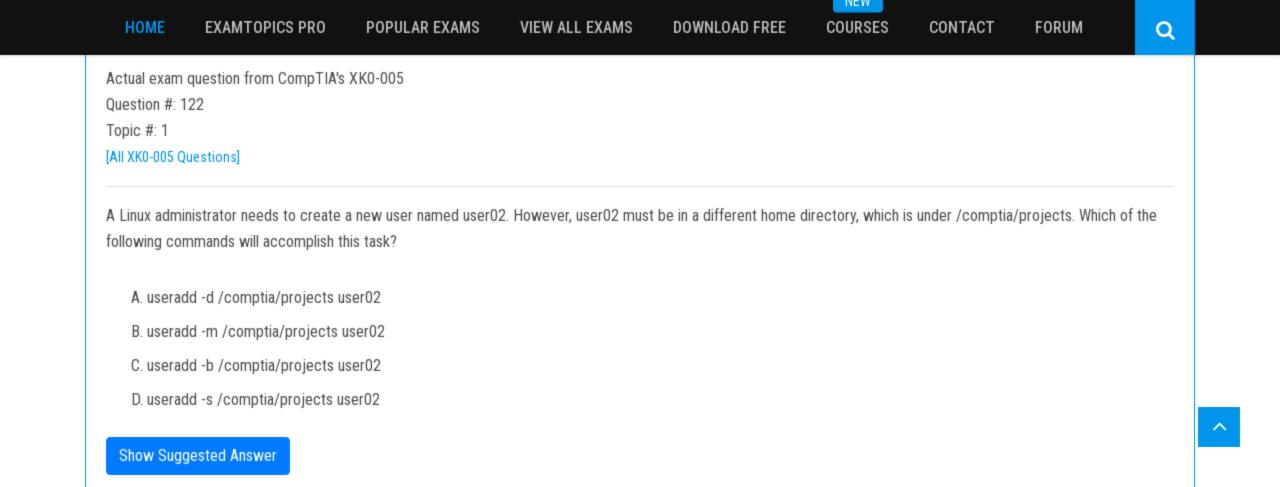
Give root password for maintenance

(or type Control-D to continue)

Which of the following files will need to be modified for this server to be able to boot again?

- A. /etc/mtab
- B. /dev/sda
- C. /etc/fstab
- D. /ete/grub.conf





Q

Actual exam question from CompTIA's XK0-005

Question #: 123

Topic #: 1

[All XK0-005 Questions]

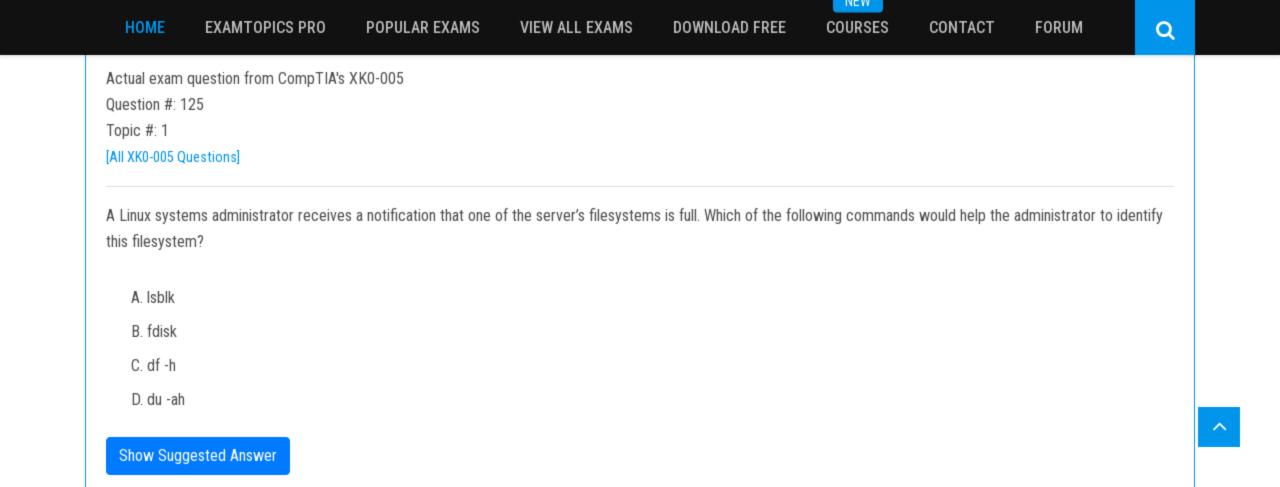
One leg of an LVM-mirrored volume failed due to the underlying physical volume, and a systems administrator is troubleshooting the issue. The following output has been provided:

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

LV	VG	Attr	LSize	Origin	Snap%	Move	Log	Сорув	Devices
linear	vg	-wi-a-	40.00G				9		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 server. The volume will automatically go back to linear mode.
- B. Replace the failed drive and reconfigure the mirror.
- C. Reboot the server. The volume will revert to stripe mode.
- D. Recreate the logical volume.



Question #: 126

Topic #: 1

[All XK0-005 Questions]

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

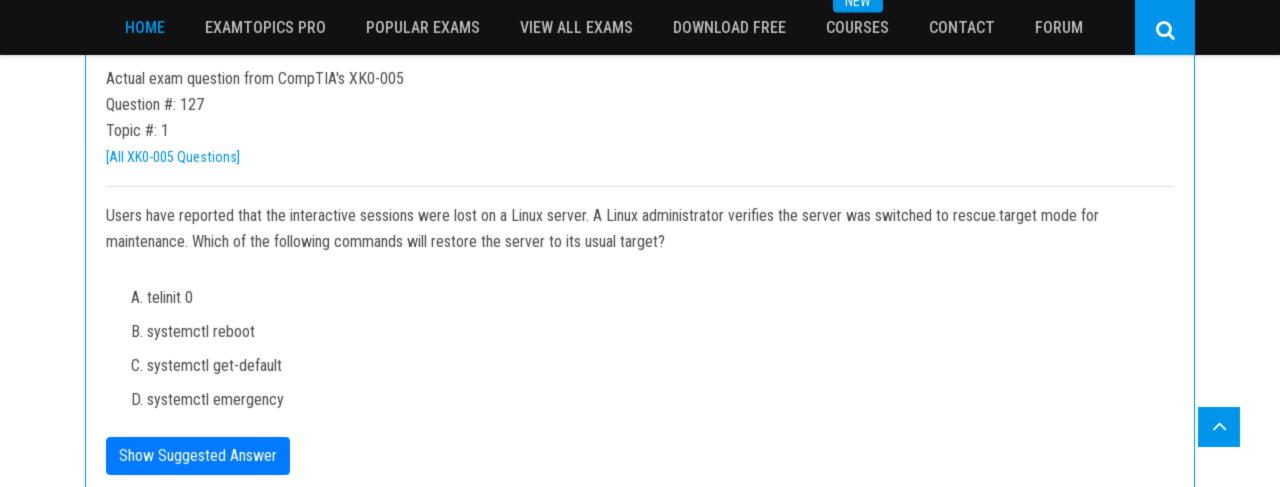
sudo grep -i -r 'out of memory' /var/log

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. Isblk
- E. killall -15
- F. vmstat -a 1 4



COURSES

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FORUM

Q

Actual exam question from CompTIA's XK0-005

Question #: 128

Topic #: 1

[All XK0-005 Questions]

A systems administrator was tasked with assigning the temporary IP address/netmask 192.168.168.1/255.255.255.255 to the interface eth0 of a Linux server.

When adding the address, the following error appears:

ip address add 192.168.168.1/33 dev eth0

Error: any valid prefix is expected rather than "192.168.168.1/33".

Based on the command and its output above, which of the following is the cause of the issue?

- A. The CIDR value /33 should be /32 instead.
- B. There is no route to 192.168.168.1/33.
- C. The interface eth0 does not exist.
- D. The IP address 192.168.168.1 is already in use.

Question #: 129

Topic #: 1

[All XK0-005 Questions]

A Linux user reported the following error after trying to connect to the system remotely: ssh: connect to host 10.0.1.10 port 22: Resource temporarily unavailable The Linux systems administrator executed the following commands in the Linux system while trying to diagnose this issue:

```
# netstat -an | grep 22 | grep LISTEN
        0
                         0.0.0.0:22
tcp
                                         0.0.0.0:*
                                                           LISTEN
# firewall-cmd --list-all
public (active)
  target: default
  icmp-block-inversion: no
  interfaces: eth0
  sources:
  services: dhcpv6-client
  ports:
  protocols:
  masquerade: no
         forward-ports:
         source-ports:
         icmp-blocks:
         rich rules:
```

Which of the following commands will resolve this issue?

- A. firewall-cmd --zone=public --permanent --add-service=22
- B. systemctl enable firewalld; systemctl restart firewalld
- C. firewall-cmd --zone=public --permanent --add-service=ssh
- D. firewall-cmd --zone=public --permanent --add-port=22/udp

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Actual exam question from CompTIA's XK0-005

Question #: 131

Topic #: 1

[All XK0-005 Questions]

A Linux administrator needs to expand a volume group using a new disk. Which of the following options presents the correct sequence of commands to accomplish the task?

A. partprobe

vgcreate

Ivextend

B. Ivcreate

fdisk

partprobe

C. fdisk

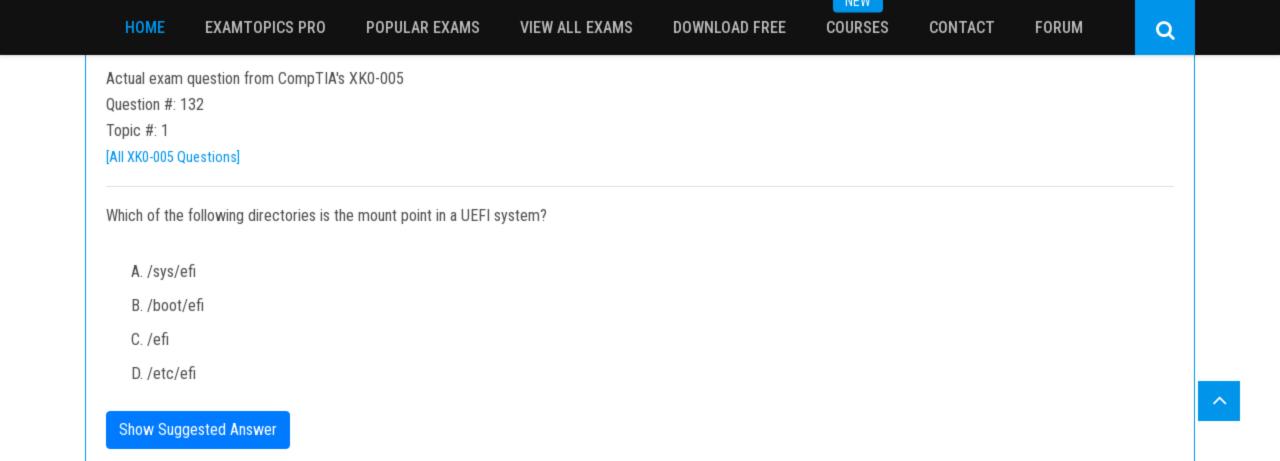
partprobe

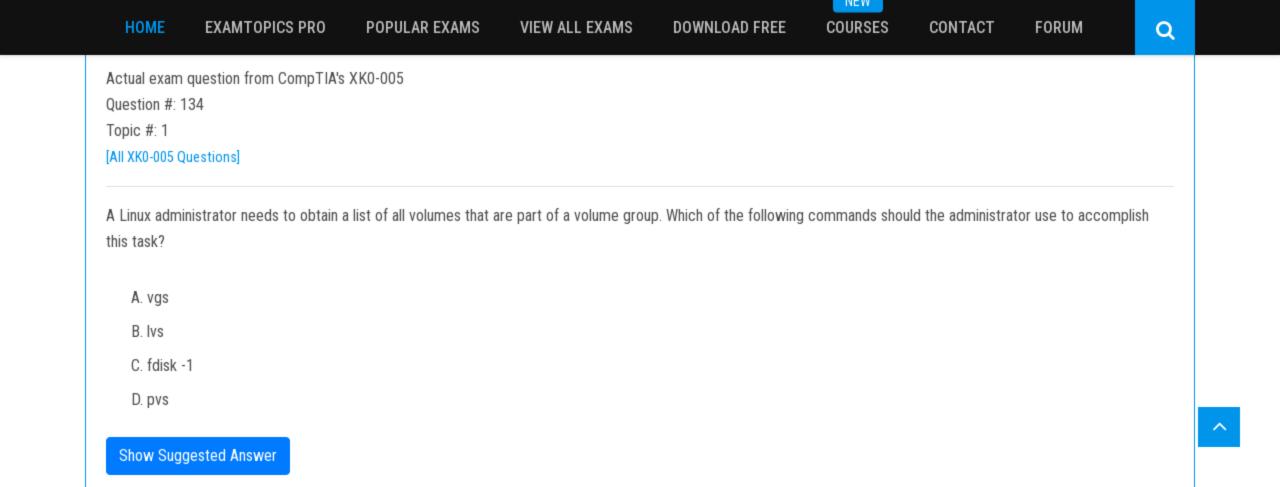
mkfs

D. fdisk

pvcreate

vgextend





FORUM

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CONTACT

Actual exam question from CompTIA's XK0-005

Question #: 137

Topic #: 1

[All XK0-005 Questions]

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

Show Suggested Answer

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NEW

Actual exam question from CompTIA's XK0-005

Question #: 139

Topic #: 1

[All XK0-005 Questions]

A Linux administrator is reviewing changes to a configuration file that includes the following section:

tls:

certificates:

- certFile: /etc/ssl/cert.cer
keyFile: /etc/ssl/cert.key

stores: default

- certFile: /etc/ssl/expired.cer keyFile: /etc/ssl/expired.key stores: expired

The Linux administrator is trying to select the appropriate syntax formatter to correct any issues with the configuration file. Which of the following should the syntax formatter support to meet this goal?

- A. Markdown
- B. XML
- C. YAMLD. JSON

Show Suggested Answer

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CONTACT FORUM

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Actual exam question from CompTIA's XK0-005

Ouestion #: 140

Topic #: 1

[All XK0-005 Questions]

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 PNPOA03:00: 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 guickly?

- 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.

FORUM

Actual exam question from CompTIA's XK0-005

Question #: 141

Topic #: 1

[All XK0-005 Questions]

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-vm: 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)
                   %user %nice %system %iowait %steal
16:00:01 PM
              CPU
                                                               %idle
16:10:01 PM
              all
                   17.58 0.00
                                    9.36
                                             0.00
                                                     0.00
                                                              73.06
                                11.75
                   22.34 0.00
                                             0.00
16:20:01 PM
              all
                                                     0.00
                                                               65.91
                                   11.69
                                             0.00
                                                               62.82
16:30:01 PM
              all
                    25.49
                          0.00
                                                     0
```

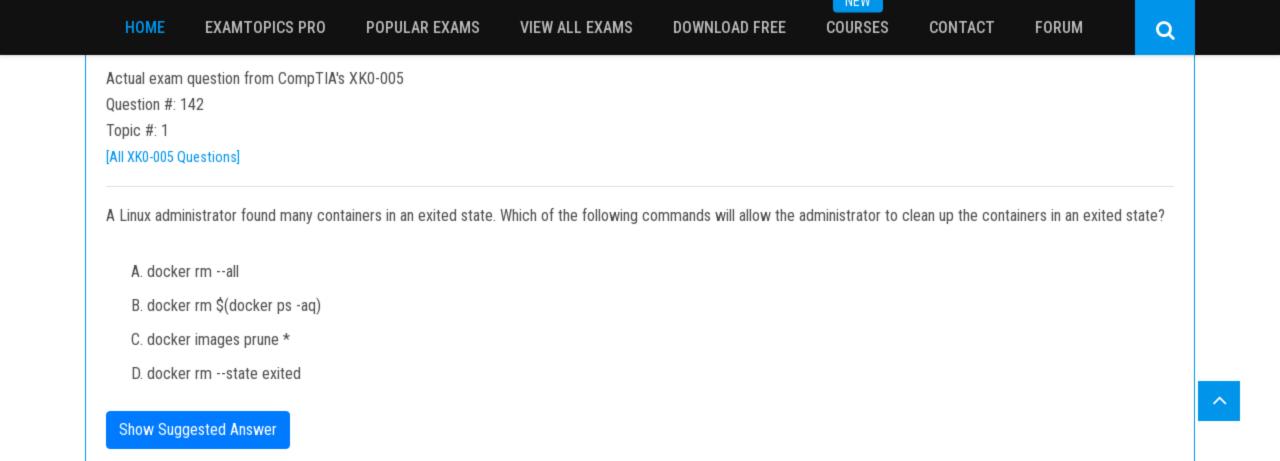
Output 3:

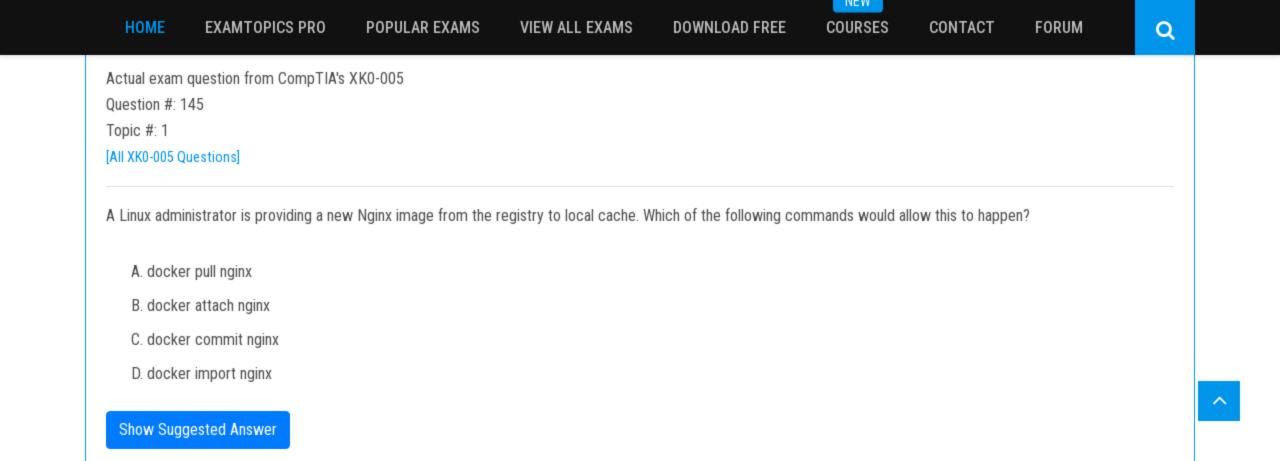
\$ free -m

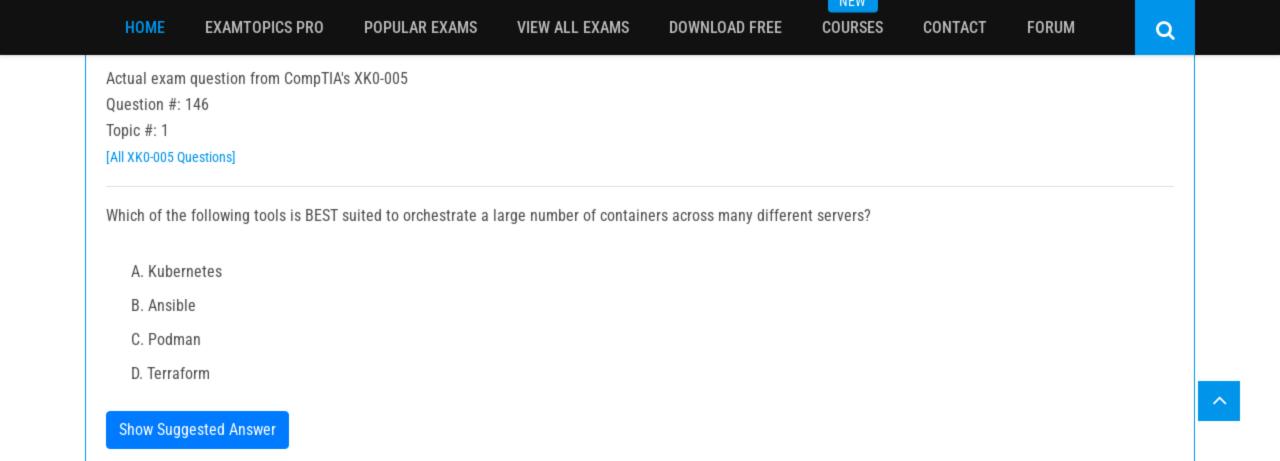
	total	used	free	shared	buff/cache	available
Mem:	16704	15026	174	92	619	793
Swap:	0	0	0			

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.







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Question #: 148

Topic #: 1

[All XK0-005 Questions]

A systems administrator is encountering performance issues. The administrator runs a command with the following output:

09:10:18 up 457 days, 32min, 5 users, load average: 4.22 6.63 5.58

The Linux server has the following system properties:

CPU 4 vCPU -

Memory: 50GB -

Which of the following accurately describes this situation?

- A. The system is under CPU pressure and will require additional vCPUs.
- B. The system has been running for over a year and requires a reboot.
- C. Too many users are currently logged in to the system.
- D. The system requires more memory.

Question #: 149

Topic #: 1

[All XK0-005 Questions]

A Linux administrator has set up a new DNS forwarder and is configuring all internal servers to use the new forwarder to look up external DNS requests. The administrator needs to modify the firewall on the server for the DNS forwarder to allow the internal servers to communicate to it and make the changes persistent between server reboots. Which of the following commands should be run on the DNS forwarder server to accomplish this task?

Q

- A. ufw allow out dns
- B. systemctl reload firewalld
- C. iptables -A OUTPUT -p udp -m udp -dport 53 -j ACCEPT
- D. firewall-cmd --zone=public --add-port=53/udp --permanent