

XK0-005 Dumps

CompTIA Linux+ Certification Exam

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NEW QUESTION 1

A Linux administrator needs to connect securely to a remote server in order to install application software. Which of the following commands would allow this connection?

- A. `scp "ABC-key.pem" root@10.0.0.1`
- B. `sftp root@10.0.0.1`
- C. `telnet 10.0.0.1 80`
- D. `ssh -i "ABC-key.pem" root@10.0.0.1`
- E. `sftp "ABC-key.pem" root@10.0.0.1`

Answer: D

NEW QUESTION 2

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 3

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 4

Which of the following technologies can be used as a central repository of Linux users and groups?

- A. LDAP
- B. MFA
- C. SSO
- D. PAM

Answer: A

NEW QUESTION 5

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 6

An administrator recently updated the BIND software package and would like to review the default configuration that shipped with this version. Which of the following files should the administrator review?

- A. `/etc/named.conf.rpmnew`
- B. `/etc/named.conf.rpmsave`
- C. `/etc/named.conf`
- D. `/etc/bind/bind.conf`

Answer: C

NEW QUESTION 7

After installing a new version of a package, a systems administrator notices a new version of the corresponding, service file was installed. In order to use the new version of the, service file, which of the following commands must be issued FIRST?

- A. `systemctl status`
- B. `systemctl stop`

- C. systemctl reinstall
- D. systemctl daemon-reload

Answer: D

NEW QUESTION 8

A cloud engineer needs to launch a container named web-01 in background mode. Which of the following commands will accomplish this task?

- A. docker builder -f --name web-01 httpd
- B. docker load --name web-01 httpd
- C. docker ps -a --name web-01 httpd
- D. docker run -d --name web-01 httpd

Answer: D

NEW QUESTION 9

A cloud engineer needs to block the IP address 192.168.10.50 from accessing a Linux server. Which of the following commands will achieve this goal?

- A. iptables -F INPUT -j 192.168.10.50 -m DROP
- B. iptables -A INPUT -s 192.168.10.30 -j DROP
- C. iptables -i INPUT --ipv4 192.168.10.50 -z DROP
- D. iptables -j INPUT 192.168.10.50 -p DROP

Answer: B

NEW QUESTION 10

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: eth0: <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 10

A development team asks an engineer to guarantee the persistency of journal log files across system reboots. Which of the following commands would accomplish this task?

- A. grep -i auto /etc/systemd/journald.conf && systemctl restart systemd-journald.service
- B. cat /etc/systemd/journald.conf | awk '(print \$1,\$3)'
- C. sed -i 's/auto/persistent/g' /etc/systemd/journald.conf && sed -i 'persistent/s/^##/q/' /etc/systemd/journald.conf
- D. journalctl --list-boots && systemctl restart systemd-journald.service

Answer: A

NEW QUESTION 11

A Linux administrator recently downloaded a software package that is currently in a compressed file. Which of the following commands will extract the files?

- A. unzip -v
- B. bzip2 -z
- C. gzip
- D. funzip

Answer: C

NEW QUESTION 13

A cloud engineer is installing packages during VM provisioning. Which of the following should the engineer use to accomplish this task?

- A. Cloud-init
- B. Bash
- C. Docker
- D. Sidecar

Answer: A

NEW QUESTION 14

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 17

A Linux administrator needs to remove software from the server. Which of the following RPM options should be used?

- A. rpm -s
- B. rm -d
- C. rpm -q
- D. rpm -e

Answer: D

NEW QUESTION 22

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:

```
# netstat -anp | grep appd | grep -w LISTEN
tcp 0 0 127.0.0.1:9443 0.0.0.0:* LISTEN 1234/appd
```

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.

Answer: B

Explanation:

The server is in a "Listen" state on port 9943 using its loopback address. The "1234" is a process-id

NEW QUESTION 23

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.abc.ec2_instance:
  name: "public-compute-instance"
  key_name: "comptia-ssh-key"
  vpc_subnet_id: subnet-5cjsssh1
  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 26

A Linux administrator rebooted a server. Users then reported some of their files were missing. After doing some troubleshooting, the administrator found one of the filesystems was missing. The filesystem was not listed in /etc/fstab and might have been mounted manually by someone prior to reboot. Which of the following would prevent this issue from reoccurring in the future?

- A. Sync the mount units.
- B. Mount the filesystem manually.
- C. Create a mount unit and enable it to be started at boot.
- D. Remount all the missing filesystems

Answer: C

NEW QUESTION 28

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    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    tcp dpt:22 ctstate NEW, UNTRACKED
           reject-with icmp-port-unreachable
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 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 30

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 31

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

```
Chain INPUT (policy ACCEPT)
target    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.

Answer: D

NEW QUESTION 33

A cloud engineer needs to check the link status of a network interface named eth1 in a Linux server. Which of the following commands can help to achieve the goal?

- A. ifconfig hw eth1
- B. netstat -r eth1
- C. ss -ti eth1
- D. ip link show eth1

Answer: D

NEW QUESTION 36

A Linux administrator wants to find out whether files from the wget package have been altered since they were installed. Which of the following commands will provide the correct information?

- A. rpm -i wget
- B. rpm -qf wget
- C. rpm -F wget
- D. rpm -V wget

Answer: D

NEW QUESTION 39

A Linux administrator needs to obtain a list of all volumes that are part of a volume group. Which of the following commands should the administrator use to accomplish this task?

- A. vgs
- B. lvs
- C. fdisk -l
- D. pvs

Answer: D

NEW QUESTION 44

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 48

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 50

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 52

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:

```
admin@server:/opt/work$ ls -al file
-rw-rw----+ 1 root it 4 Sep 5 17:29 file
```

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

Answer: D

NEW QUESTION 57

A systems administrator is checking the system logs. The administrator wants to look at the last 20 lines of a log. Which of the following will execute the command?

- A. tail -v 20
- B. tail -n 20
- C. tail -c 20
- D. tail -l 20

Answer: B

NEW QUESTION 59

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 61

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 65

Users have been unable to save documents to /home/tmp/temp and have been receiving the following error: Path not found
A junior technician checks the locations and sees that /home/tmp/tempa was accidentally created instead of /home/tmp/temp. Which of the following commands should the technician use to fix this issue?

- A. cp /home/tmp/tempa /home/tmp/temp
- B. mv /home/tmp/tempa /home/tmp/temp
- C. cd /temp/tmp/tempa
- D. ls /home/tmp/tempa

Answer: B

NEW QUESTION 66

A new Linux systems administrator just generated a pair of SSH keys that should allow connection to the servers. Which of the following commands can be used to copy a key file to remote servers? (Choose two.)

- A. wget
- B. ssh-keygen
- C. ssh-keyscan
- D. ssh-copy-id
- E. ftpd
- F. scp

Answer: DF

NEW QUESTION 67

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
tcp        0      0  0.0.0.0:22          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

Answer: C

NEW QUESTION 71

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 72

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.

Answer: C

NEW QUESTION 74

A systems administrator requires that all files that are created by the user named web have read-only permissions by the owner. Which of the following commands will satisfy this requirement?

- A. chown web:web /home/web
- B. chmod -R 400 /home/web
- C. echo "umask 377" >> /home/web/.bashrc
- D. setfacl read /home/web

Answer: B

NEW QUESTION 79

Due to low disk space, a Linux administrator finding and removing all log files that were modified more than 180 days ago. Which of the following commands will accomplish this task?

- A. find /var/log -type d -mtime +180 -print -exec rm {} \;
- B. find /var/log -type f -modified +180 -rm
- C. find /var/log -type f -mtime +180 -exec rm {} \
- D. find /var/log -type c -atime +180 -remove

Answer: A

NEW QUESTION 84

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