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QUESTION & ANSWER

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1 / 3

Exam : **XK0-005**

Title : CompTIA Linux+ Exam

Version : DEMO

1.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?

A)

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

B)

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

C)

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

D)

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

A. Option A
B. Option B
C. Option C
D. Option D
Answer: A

2.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

3.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

4.A Linux administrator was notified that a virtual server has an I/O bottleneck.

The Linux administrator analyzes the following output:

```
root@linux:~# uptime
18:43:47 up 1 day, 19:58, 1 user, load average: 9.90, 5.83, 2.49
root@linux:~# vmstat 10 10
procs ----------memory---------- --swap----- -----io---- -system- -----------cpu------
 r  b  swpd   free   buff   cache  si    so 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.

Answer: B

5.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. 002

C. chactr -Rv

D. chown -cf

Answer: B