XK0-004^{Q&As}

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QUESTION 1

After connecting a USB drive, the system is unable to detect it. There is no entry in /dev, and there is no information in the message log. Which of the following is the issue?

A. The USB drive is formatted as a DVD

B. The USB drive is not formatted

C. The kernel module is not installed

D. The permissions of /dev/usb are incorrect

Correct Answer: B

Reference: https://www.makeuseof.com/tag/fix-usb-device-port-linux/

QUESTION 2

An administrator is troubleshooting an application that has failed to start after the server was rebooted. Noticing the data volume is not mounted, the administrator attempts to mount it and receives this error:

```
[root@localhost comptia]# mount /dev/datavg/datalv /data
mount: special device /dev/datavg/datalv does not exist
```

Upon checking the logical volume status, the administrator receives this information:

```
[root@localhost comptia]# lvs
 LV VG Attr LSize Pool Origin Data% Meta% Move Log Cpy%Sync Convert
 root centos -wi-ao---- <6.20g
 swap centos -wi-ao---- 820.00m
 datalv datavg -wi------- 500.00m
[root@localhost comptia]#
```

Which of the following can be said about the data logical volume, and how can this problem be resolved?

A. The logical volume is not active. The administrator should make it active with lvchange -ay /dev/ datavg/datalv and then mount it.

B. The logical volume file system has become corrupted. The administrator should repair it with xfs_repair /dev/datavg/datalv and then mount it.

C. The logical volume is OK but the /dev special files are missing. The administrator should recreate them by running /dev/MAKEDEV.

D. The file system is read-only. The administrator should remount it as read-write with the command mount -o remount.rw /data.

Correct Answer: A

QUESTION 3

A Linux administrator needs to prevent the Postfix mail transfer agent from starting on boot. Which of the following commands will accomplish this task?

A. systemctl stop postfix.service

B. /etc/init.d/postfix stop

C. systemctl disable postfix.service

D. /etc/init.d/postfix disable

Correct Answer: B

Reference: https://www.cyberciti.biz/faq/linux-unix-start-stop-restart-postfix/

QUESTION 4

Given that a company\\'s policy states that users cannot install third-party tools on Window servers, which of the following protocols will allow a Linux GUI to connect to a Windows server?

A. VNC

B. NX

C. RDP

D. X11

Correct Answer: A

Reference: https://phoenixnap.com/kb/ssh-to-connect-to-remote-server-linux-or-windows

QUESTION 5

A user has connected a Bluetooth mouse to a computer, but it is not working properly. Which of the following commands should the systems administrator use to fix the issue?

A. lsmod -i bluetooth

B. insmod bluetooth

C. modprobe -r bluetooth

D. depmod -i bluetooth

Correct Answer: C

QUESTION 6

The dracut command is used to:

A. create initial RAMDisk images for preloading modules.

B. compile the Linux kernel images used to boot the OS.

C. create the bootloader executable files.

D. create the Boot Manager configuration files.

Correct Answer: A

QUESTION 7

Which of the following allows communication over port 3389 to access GUI services?

A. XRDP

B. VNC

C. Xfce

D. KDE

E. X-forwarding

Correct Answer: A

Reference: https://linuxize.com/post/how-to-install-xrdp-on-
ubuntu-18-04/#:~:text=By%20default%2C%20Xrdp%20listens%20on,traffic%20on%20the%20Xrdp%20port

QUESTION 8

A Linux server has multiple IPs. A Linux administrator needs to verify if the HTTP server port is bound to the correct IP.
Which of the following commands would BEST accomplish this task?

A. route

B. host

C. nslookup

D. netstat

E. ip

Correct Answer: D

Reference: https://www.tecmint.com/find-listening-ports-linux/

QUESTION 9

A junior Linux administrator needs to ensure a service will start on system boot. Which of the following commands should be used to accomplish this task?

A. chkconfig on

B. systemctl bootup

C. service enable

D. crontab install

Correct Answer: A

Reference: https://geekflare.com/how-to-auto-start-services-on-boot-in-linux/

QUESTION 10

An operator finds a user is having issues with opening certain files.

Which of the following commands would allow the security administrator to list and check the SELinux context?

A. ls -D

B. ls -a

C. ls -Z

D. ls -1

Correct Answer: C

Reference: https://access.redhat.com/documentation/en-us/red_hat_enterprise_linux/6/html/security-enhanced_linux/sect-security-enhanced_linux-working_with_selinux-selinux_contexts_labeling_files

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QUESTION 11

A Linux administrator is migrating a physical server to a virtual instance.

Which of the following commands would allow the administrator to create a new initial RAM disk to use in the boot process?

A. mkinitrd

B. grub-install

C. grub2-mkconfig

D. initramfs

Correct Answer: A

Reference: https://developer.ibm.com/articles/l-initrd/

QUESTION 12

A site reliability engineer updated the latest configuration management scripts and committed them to a workstream called either test or patch. A Linux administrator wants to ensure these latest workstreams are able to be retrieved to the server. Which of the following is the BEST Git attribute to use?

A. branch

B. fetch

C. log

D. pull

Correct Answer: D

QUESTION 13

Users are reporting collaborate.company.com is inaccessible from the user VLAN, but there is no issue connecting to the system\\'s web page from the DMZ. Given the following outputs from commands run on the system:

```
2: enp0s3: inet 10.10.2.15/24 User VLAN
3: enpos4: inet 10.20.2.15/24 DMZ

Kernel IP routing table
Destination  Gateway      Genmask          Flags  Metric  Ref  Use  Iface
default      10.10.2.2    0.0.0.0          UG     100     0    0    enp0s3
10.10.2.0    *            255.255.255.0    U      100     0    0    enp0s3
10.20.2.0    *            255.255.255.0    U      100     0    0    enp0s4

Non-authoritative answer:
Name: collaborate.company.com
Address: 10.20.2.15

Proto  Recv-Q  Send-Q  Local Address      Foreign Address  State
tcp    0       0       10.20.2.15:80      0.0.0.0:*        LISTEN
tcp    0       0       10.20.2.15:443     0.0.0.0:*        LISTEN
tcp    0       0       127.0.0.1:22       0.0.0.0:*        LISTEN
tcp    0       0       0.0.0.0:53         0.0.0.0:*        LISTEN
tcp    0       0       0.0.0.0:8080       0.0.0.0:*        LISTEN
```

Which of the following explains why users are unable to access the system from the user VLAN, and how can the administrator remediate this issue?

A. Users cannot access the system because the IP subnet mask is /24. The remediation for this issue is to set the IP

subnet mask to /16.

B. Users cannot access the system because the DNS server has the incorrect IP address. The remediation for this issue is to edit the DNS configuration to point to the correct IP.

C. Users cannot access the system because the connectivity port is running on the incorrect IP. The remediation for this issue is to edit the configuration file to listen on all interfaces.

D. Users cannot access the system because the default gateway has the wrong interface. The remediation for this issue is to set the default gateway to the proper interface.

Correct Answer: C

QUESTION 14

SIMULATION

A 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 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

A. See below

Correct Answer: A

```
[root@tecmint ~]#
[root@tecmint ~]# yum install httpd
Loaded plugins: fastestmirror, refresh-packagekit
Setting up Install Process
Loading mirror speeds from cached hostfile
 * base: centos.excellmedia.net
 * epel: epel.scopesky.iq
 * extras: centos.excellmedia.net
 * updates: centos-hn.viettelidc.com.vn
Resolving Dependencies
There are unfinished transactions remaining. You might consider running yum-comp
lete-transaction first to finish them.
_
```

```
[root@tecmint ~]#
[root@tecmint ~]# systemctl start httpd
[root@tecmint ~]#
[root@tecmint ~]# systemctl enable httpd
Created symlink from /etc/systemd/system/multi-user.target.wants/httpd.service to /usr/lib/systemd/system/htt
[root@tecmint ~]#
[root@tecmint ~]# systemctl status httpd
● httpd.service - The Apache HTTP Server
   Loaded: loaded (/usr/lib/systemd/system/httpd.service; enabled; vendor preset: disabled)
   Active: active (running) since Tue 2017-06-27 06:51:35 EDT; 14s ago
     Docs: man:httpd(8)
           man:apachectl(8)
 Main PID: 17981 (httpd)
   Status: "Total requests: 0; Current requests/sec: 0; Current traffic:   0 B/sec"
   CGroup: /system.slice/httpd.service
           ├─17981 /usr/sbin/httpd -DFOREGROUND
           ├─17982 /usr/sbin/httpd -DFOREGROUND
           ├─17983 /usr/sbin/httpd -DFOREGROUND
           ├─17984 /usr/sbin/httpd -DFOREGROUND
           ├─17985 /usr/sbin/httpd -DFOREGROUND
           └─17986 /usr/sbin/httpd -DFOREGROUND

Jun 27 06:51:35 tecmint systemd[1]: Starting The Apache HTTP Server...
Jun 27 06:51:35 tecmint httpd[17981]: AH00558: httpd: Could not reliably determine the server's fully qualifi
Jun 27 06:51:35 tecmint systemd[1]: Started The Apache HTTP Server.
[root@tecmint ~]# 
```

QUESTION 15

A Linux administrator is developing a Bash script to close specific ports on a server firewall. The administrator is not certain of the default port for the Internet Message Access Protocol. Which of the following files should the administrator check to determine the default port?

A. /etc/network

B. /etc/default/ufw

C. /etc/resolv.conf

D. /etc/services

Correct Answer: D

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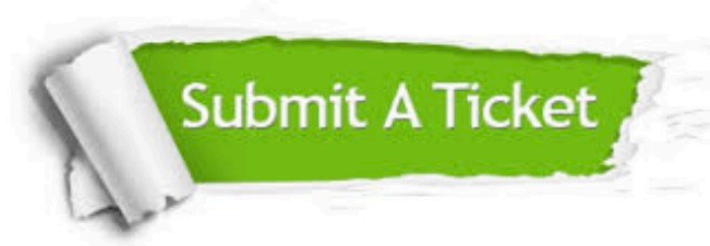
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