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QUESTION 1

A junior systems administrator is scanning archive.tar files with an antivirus scanner. The administrator is given the following tasks:

1.

List all files that are in the archive.tar files.

2.

Extract all files from the archive.tar files.

Which of the following actions should be performed to meet these requirements? (Choose two.)

A. tar -tvf archive.tar

B. tar -xf archive.tar

C. tar -A archive.tar

D. tar -av archive.tar

E. tar -r archive.tar

F. tar -uvz archive.tar

Correct Answer: AB

Reference: <https://linuxize.com/post/how-to-create-and-extract-archives-using-the-tar-command-in-linux/>

Exam B

QUESTION 2

Which of the following commands will let a Linux user know the PCI devices that are installed in the system?

A. cat /proc/devices/pci

B. lspci

C. lsdev

D. cat /proc/sys/dev

Correct Answer: B

Reference: <https://opensource.com/article/19/9/linux-commands-hardware-information>

QUESTION 3



A Linux storage administrator wants to create a logical volume group. Which of the following commands is required to start the process?

- A. pvcreate
- B. vgcreate
- C. lvcreate
- D. mkfs.xfs

Correct Answer: B

Reference: <https://www.thegeekstuff.com/2010/08/how-to-create-lvm/>

QUESTION 4

A Linux administrator needs to remove a USB drive from a system. The unmount command fails, stating the device is busy. Which of the following commands will show the reason for this error?

- A. `lsusb | grep /mnt/usb`
- B. `mount | grep /mnt/usb`
- C. `ps aux | grep /mnt/usb`
- D. `lsdf | grep /mnt/usb`

Correct Answer: D

Reference: <https://www.systutorials.com/force-linux-unmount-filesystem-reporting-device-busy/>

QUESTION 5

A Linux administrator is using a public cloud provider to host servers for a company's website. Using the provider's tools, the administrator wrote a JSON file to define how to deploy the servers. Which of the following techniques did the administrator use?

- A. Infrastructure as code
- B. Build automation
- C. Platform as a service
- D. Automated configuration

Correct Answer: B

Reference: <https://cloud.google.com/cloud-build/docs/build-config>

QUESTION 6



An administrator receives the following message on a remote server: Cannot open display. Which of the following should the administrator have used to log in to the server?

- A. xrdp -h server.company.com
- B. ssh -X server.company.com
- C. xvnc server.company.com
- D. rdesktop server.company.com

Correct Answer: B

QUESTION 7

All users are reporting that they cannot connect to the SFTP server. The administrator runs a scan:

```
starting nmap 4.11 at 2018-06-16 EST  
not shown: 1456 closed ports
```

PORT	STATE	SERVICE
53/tcp	open	dns
80/tcp	open	http
957/tcp	open	unknown

```
MAC Address 08:00:00:00:00:00 ( computer systems )  
nmap finished = 1 ip address ( 1 host up ) scanned in 1.497 seconds  
You have mail in /var/spool/mail/root
```

Which of the following would allow the administrator to fix the problem?

- A. Allow SFTP connections on port 22 using /etc/sysconfig/iptables.
- B. Allow SFTP connections on port 20 and 21 using /etc/sysconfig/iptables.
- C. Allow SFTP connections on port 25 using /etc/sysconfig/iptables.
- D. Allow SFTP connections on port 1456 using /etc/sysconfig/iptables.

Correct Answer: A

QUESTION 8

A Linux systems administrator needs to set permissions on an application with the following parameters:



The owner of the application should be able to read, write, and execute the application. Members of the group should be able to read and execute the application. Everyone else should not have access to the application. Which of the following commands would BEST accomplish these tasks?

- A. `chmod 710`
- B. `chmod 730`
- C. `chmod 750`
- D. `chmod 760`

Correct Answer: D

QUESTION 9

An administrator is logged into a server remotely and wants to determine if the system is a VM. Which of the following commands would assist with this?

- A. `dmesg`
- B. `ps`
- C. `top`
- D. `vmstat`

Correct Answer: D

Reference: <https://ostechnix.com/check-linux-system-physical-virtual-machine/>

QUESTION 10

A Linux administrator wants to configure log messages of critical or higher severity levels from the cron utility to be logged to the console. Which of the following will accomplish this objective?

- A. Edit the `/etc/logrotate.d/cron` file to include the line `cron.emerg.* /dev/console`
- B. Edit the `/etc/rsyslog.conf` file to include the line `cron.emerg.* /dev/console`
- C. Edit the `/etc/logrotate.conf` file to include the line `cron.emerg.* /dev/console`
- D. Edit the `/etc/rsyslog.d/conf` file to include the line `cron.emerg.* /dev/console`

Correct Answer: B

QUESTION 11

A Linux administrator must identify a user with high disk usage. The administrator runs the `# du -h /home/*` command and gets the following output:



```
43      /home/User1
2701    /home/User2
133089  /home/User3
3611    /home/User4
```

Based on the output, User3 has the largest amount of disk space used. To clean up the file space, the administrator needs to find out more information about the specific files that are using the most disk space. Which of the following commands will accomplish this task?

- A. `df -k /home/User/files.txt`
- B. `du -a /home/User3/*`
- C. `du -sh /home/User/`
- D. `find . -name /home/User3 -print`

Correct Answer: C

Reference: <https://unix.stackexchange.com/questions/37221/finding-files-that-use-the-most-disk-space>

QUESTION 12

A configuration management tool running every minute is enforcing the service HTTPd to be started.

To perform maintenance, which of the following series of commands can be used to prevent the service from being started?

- A. `systemctl stop httpd andand systemctl mask httpd`
- B. `systemctl disable httpd andand systemctl mask httpd`
- C. `systemctl stop httpd andand systemctl hide httpd`
- D. `systemctl disable httpd andand systemctl hide httpd`

Correct Answer: A

QUESTION 13

A junior systems administrator has generated a PKI certificate for SSH sessions. The administrator would like to configure authentication without passwords to remote systems. Which of the following should the administrator perform?

- A. Add the content of `id_rsa.pub` file to the remote system `~/.ssh/authorized_keys` location.



- B. Add the content of id_rsa file to the remote system ~/.ssh/authorized_keys location.
- C. Add the content of id_rsa file to the remote system ~/.ssh/known_hosts location.
- D. Add the content of id_rsa.pub file to the remote system ~/.ssh/known_hosts location.

Correct Answer: A

Reference: <https://kb.iu.edu/d/aews>

QUESTION 14

A junior Linux administrator is performing version control on a Git repository. The administrator is given a list of tasks to complete:

List the currently installed Git release.

Show the status reporting of the clone.

Which of the following commands would allow the administrator to complete these tasks? (Choose two.)

- A. git clone --progress
- B. git clone --recursive
- C. git --help
- D. git clone --dissociate
- E. git --version
- F. git clone --shared

Correct Answer: AC

QUESTION 15

A Linux administrator wants to obtain a list of files and subdirectories in the /etc directory that contain the word "services". Once the files and subdirectories are discovered, they should be listed alphabetically in the /var/tmp/foundservices file. Which of the following shell scripts will accomplish this task?

- A. `#!/bin/bashfind /etc -name services | sort > /var/tmp/foundservices`
- B. `#!/bin/bashlocate /etc --sort --name services > /var/tmp/foundservices`
- C. `#!/bin/bashfind -name services --sort /var/tmp/foundservices`

Correct Answer: B



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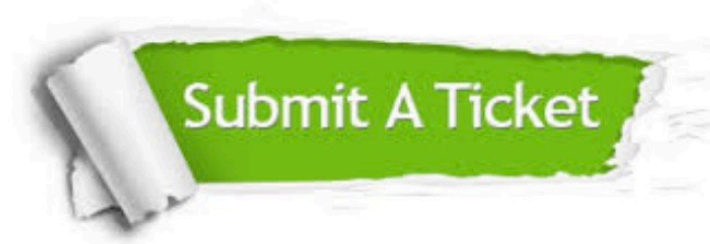
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