XK0-004 ^{Q&As}

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QUESTION 1

A systems administrator is enabling quotas on the /home directory of a Linux server. The administrator makes the appropriate edits to the /etc/fstab file and attempts to issue the commands to enable quotas on the desired directory. However, the administrator receives an error message stating the filesystem does not support quotas. Which of the following commands should the administrator perform to proceed?

A. mount -o remount /home

B. quotacheck -cg

C. edquota /home

D. quotaon /home

Correct Answer: D

Reference: https://www.tecmint.com/set-filesystem-disk-quotas-on-ubuntu/

QUESTION 2

A senior administrator keeps an important server turned off most of the time for security reasons. The server is booted for one specific function, then turned off again. Which of the following server types is described in this scenario?

A. Proxy server

B. Certificate authority

C. Cloud access security broker

D. File server

Correct Answer: B

Reference: https://docs.microsoft.com/en-us/windows-server/networking/core-network-guide/cncg/server-certs/server-certificate-deployment-overview

QUESTION 3

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 4

A Linux administrator needs to take stock of USB devices attached to the system. Which of the following commands would be BEST to complete this task?

A. lspci

B. lsusb

C. cat /proc/USB

D. modprobe --usb

Correct Answer: B

Reference: https://linuxhint.com/list-usb-devices-linux/

QUESTION 5

A systems administrator is using a Linux laptop to troubleshoot network devices. The administrator runs the following command:

screen /dev/USB0

Which of the following does this command MOST likely accomplish?

A. It copies the network traffic from the device connected to USB0 and screens out rejected traffic.

B. It logs all troubleshooting output from the monitor to external USB0 storage.

C. It monitors USB0 waiting for a network device to be connected to it as an Ethernet device.

D. It allows the administrator to interact with the character device connected to USB0.

Correct Answer: D

QUESTION 6

In order to comply with new security policies, an administrator needs to prevent the SSH server from using insecure algorithms. Which of the following files should be edited to accomplish this?

A. /etc/ssh/sshd_config

B. /etc/ssh/ssh_config

C. ~/.ssh/ssh_config

D. /etc/ssh/known_hosts

Correct Answer: A

QUESTION 7

A systems administrator has retrieved the latest copy of the system backup files, which had been stored offsite at a third-party vendor. The systems administrator wants to validate that the data was not modified since the backup. Which of the following would BEST verify that the data remained the same?

A. Perform a MD5 hash on the data.

B. Perform a SCP from the backup.

C. Perform rsync.

D. Restore from the last full backup.

Correct Answer: A

QUESTION 8

An issue was discovered on a testing branch of a Git repository. A file was inadvertently modified and needs to be reverted to the master branch version. Which of the following is the BEST option to resolve the issue?

A. git branch -b master file

B. git merge master testing

C. git stash branch master

D. git checkout master -- file

Correct Answer: D

Reference: https://www.git-scm.com/book/en/v2/Git-Basics-Undoing-Things

QUESTION 9

Which of the following would allow remote users to access a corporate server? (Choose two.)

A. VPN server

B. SMTP server

C. NTP server

D. SSH server

E. DHCP server

F. File server

Correct Answer: AD

QUESTION 10

A server is almost out of free memory and is becoming unresponsive. Which of the following sets of commands will BEST mitigate the issue?

A. free, fack, partprobe

B. lsof, lvcreate, mdadm

C. df, du, rmmod

D. fdisk, mkswap, swapon -a

Correct Answer: D

QUESTION 11

An administrator needs to create a shared directory in which all users are able to read, write, and execute its content but none of the regular users are able to delete any content. Which of the following permissions should be applied to this shared directory?

A. rwxrwxrwt

B. rwxrwxrws

C. rwxrwxrwx

D. rwxrwxrw*

Correct Answer: A

QUESTION 12

Joe, a user, creates a short shell script, shortscript.sh, and saves it in his home directory with default permissions and paths. He then attempts to run the script by typing ./shortscript.sh, but the command fails to execute.

Which of the following commands would have allowed the script to run?

A. chmod u+x shortscript.sh

B. source ./shortscript.sh

C. chmod 155 ~/shortscript.sh

D. chgrp shortscript.sh Joe

Correct Answer: A

QUESTION 13

A systems administrator received a request to change the hostname to a new name. Which of the following file configurations should be changed to fix the hostname in the server?

A. /etc/sysconfig/network

B. /etc/hosts

C. /etc/resolv.conf

D. /etc/sysconfig/nsswitch.conf

Correct Answer: B

Reference https://www.tecmint.com/set-hostname-permanently-in-linux/

QUESTION 14

An administrator needs to generate a list of services that are listening on TCP and/or UDP ports. Which of the following tools should the administrator use?

A. ethtool

B. route

C. netstat

D. portmap

Correct Answer: C

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

QUESTION 15

An administrator is using a configuration management tool to define a system\\\'s configuration. The defined configuration can be used to provision new systems, rebuild existing systems, or roll back systems to their original baseline configurations.

Which of the following BEST describes what the administrator is doing?

A. Build automation

B. Containerization

C. Infrastructure as code

D. Test automation

Correct Answer: D