

# XK0-004<sup>Q&As</sup>

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### QUESTION 1

A Linux administrator is updating iptables rules and is given the following tasks:

1.  
Output a list of iptables rules.
  2.  
Remove all iptables rules.
- Which of the following actions should be performed from the terminal console to accomplish these tasks? (Choose two.)

- A. iptables -F
- B. iptables -L
- C. iptables -I
- D. iptables -C
- E. iptables -A
- F. iptables -N

Correct Answer: AB

Reference: <https://www.digitalocean.com/community/tutorials/how-to-list-and-delete-iptables-firewall-rules>

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### QUESTION 2

A corporate server security policy states, "Ensure password hashes are not readable by non-administrative users." The administrator should check the permissions on which of the following files to ensure the server satisfies this policy?

- A. /etc/shadow
- B. /etc/passwd
- C. /etc/group
- D. /etc/security/limits.conf

Correct Answer: B

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### QUESTION 3

Ann, a user, has created a new directory and noticed that permissions on the new directory are as follows:

drwx-----. 1 ann ann 0 Jun 11 08:20 work

Which of the following should the administrator do to restore default permissions for newly created directories?

- A. Change umask value in /etc/profile.
- B. Run chmod command to update permissions.
- C. Modify directory ownership to ann:ann with chown.
- D. Execute chatr command to restore default access.

Correct Answer: A

Reference: <https://geek-university.com/linux/set-the-default-permissions-for-newly-created-files/>

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#### QUESTION 4

Which of the following is the MOST common method used to access Windows systems that are running in a cloud provider from a Linux system?

- A. SSH
- B. NX
- C. XRDP
- D. VNC

Correct Answer: C

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#### QUESTION 5

An administrator needs to create a file named hello in the home directory that contains the following text:

it\\'s me!

Which of the following commands would accomplish this goal?

- A. mkdir ~/hello touch ~/it\\'s me!"
- B. touch ~/hello echo "it\\'s me!" > ~/hello
- C. mv ~/hello cp "it\\'s me!" > ~/hello
- D. type ~/hello print "it\\'s me!"

Correct Answer: A

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#### QUESTION 6

A Linux system is running normally when the systems administrator receives an alert that one application spawned many processes. The application is consuming a lot of memory, and it will soon cause the machine to become unresponsive. Which of the following commands will stop each application process?

- A. kill `pidof application`
- B. killall application
- C. kill -9 `ps -aux | grep application`
- D. pkill -9 application

Correct Answer: B

Reference: <https://www.tecmint.com/how-to-kill-a-process-in-linux/>

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#### QUESTION 7

A new HTTPS web service is being deployed on a server. Which of the following commands should the Linux administrator use to ensure traffic is able to flow through the system firewall to the new service?

- A. iptables -I OUTPUT -p tcp --sport 443 -j ACCEPT
- B. iptables -A INPUT -p tcp --dport 443 -j ACCEPT
- C. iptables -I INPUT --dport 443 -j ACCEPT
- D. iptables -A OUTPUT -p tcp --dport 443 -j ACCEPT

Correct Answer: C

Reference: <https://www.linode.com/docs/security/firewalls/control-network-traffic-with-iptables/>

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#### QUESTION 8

A company wants to ensure that all newly created files can be modified only by their owners and that all new directory content can be changed only by the creator of the directory. Which of the following commands will help achieve this task?

- A. umask 0022
- B. umask 0012
- C. chmod -R 0644 /
- D. chmod -R 0755 /

Correct Answer: A

Reference: <https://www.computerhope.com/unix/uumask.htm>

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### QUESTION 9

A systems administrator installed Git on a new workstation and wants to ensure all Git projects on this machine are initialized with the same username and email address. Which of the following should the administrator use to meet this goal? (Choose two.)

- A. `git config --global user.name = "James Doe"`
- B. `echo 'email.addr = "jdoe@comptia.org"' >> .git/.gitconfig`
- C. `echo 'username' = "James Doe" >> .git/.gitconfig`
- D. `git config username = "James Doe"`
- E. `git config --global user.email = "jdoe@comptia.org"`
- F. `git config email.addr = jdoe@comptia.org"`

Correct Answer: AE

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### QUESTION 10

An administrator is troubleshooting to determine why backups are failing on a particular server. The administrator runs the `ps` command and analyzes the following output.

USER	PID	%CPU	%MEM	VSZ	RSS	TTY	STAT	START	TIME	COMMAND
bkup	13443	0.0	0.0	7628	918	pts/2	S+	14:30	0:00	grep --color
bkup	10112	0.0	0.0	0 0	?? Z	09:22	0:00	backuputil		

The administrator runs `kill -9 10112` yet the process remains. Which of the following BEST describes the issue and how to fix it?

- A. The backup process is still running and needs to be killed with `kill -9 --force 10112`.
- B. The backup process is a zombie process, and the system needs to be rebooted.
- C. The backup process is out of memory, and more memory needs to be added to the system.
- D. The backup process is using 100% of system resources and needs to be rescheduled with `renice`.

Correct Answer: B

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### QUESTION 11

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/>

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#### QUESTION 12

A systems administrator clones copies of a Linux VM every time a new Linux server is needed. The administrator notices the command prompt always states localhost.localdomain. Which of the following should the administrator run to have the command prompt consistently labeled as Server1 rather than localhost.localdomain?

- A. host Server1
- B. echo "127.0.0.1 Server1 Server1.localdomain" >> /etc/hosts
- C. hostnamectl set-hostname "Server1" --pretty
- D. hostnamectl set-hostname Server1 --transient
- E. hostnamectl set-hostname Server1.localdomain --static

Correct Answer: C

Reference: <https://www.tutorialspoint.com/how-to-setup-hostname-in-centos-7-x-or-rhel-7-x-linux-versions>

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#### QUESTION 13

A Linux administrator needs to add some files in a directory to the Git repository but must exclude some local .tmp files that are occasionally created by the scripts.

Which of the following is the BEST way to accomplish this task?

- A. git rm .tmp
- B. git add -x .tmp \*
- C. echo .tmp >> .gitignore
- D. rm -rf .tmp

Correct Answer: C

Reference: <https://stackoverflow.com/questions/46383506/add-files-to-gitignore-directly-from-git-shell>

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#### QUESTION 14

A junior Linux administrator is updating local name resolution to support IPv6. The administrator issues the command `cat /etc/hosts` and receives the following output:

127.0.0.1 localhost

Which of the following actions should the administrator perform to accomplish this task?

- A. Modify the /etc/hosts file, and add the ipv6 localhost entry to the file.
- B. Modify the /etc/hosts file, and add the ::1 localhost entry to the file.
- C. Modify the /etc/hosts file, and add the ipv4 localhost entry to the file.
- D. Modify the /etc/hosts file, and add the 0.0.0.0 localhost entry to the file.

Correct Answer: B

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### QUESTION 15

A Linux administrator recently reprovisioned a new corporate web server to replace a legacy one. To minimize the impact on the company's users, the administrator modified the network and DNS settings of the new server to be the same as the legacy server.

When attempting to log in to the new server remotely over SSH, the following error message is displayed:

WARNING: REMOTE HOST IDENTIFICATION HAS CHANGED! Which of the following should the administrator do to resolve the issue?

- A. Restart the network services on both the remote server and the local machine.
- B. Remove the entry for the web server from the known\_hosts file on the local machine.
- C. Update the /etc/hosts file on the remote server and local machine.
- D. Add the administrator's public key to the authorized\_keys on the remote server.

Correct Answer: D

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