



# XK0-005<sup>Q&As</sup>

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### QUESTION 1

In which of the following filesystems are system logs commonly stored?

- A. /var
- B. /tmp
- C. /etc
- D. /opt

Correct Answer: A

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### QUESTION 2

A systems administrator is notified that the mysqld process stopped unexpectedly. The systems administrator issues the following command:

```
sudo grep -i -r `out of memory` /var/log
```

The output of the command shows the following:

```
kernel: Out of memory: Kill process 9112 (mysqld) score 511 or sacrifice child.
```

Which of the following commands should the systems administrator execute NEXT to troubleshoot this issue? (Select two).

- A. free -h
- B. nc -v 127.0.0.1 3306
- C. renice -15 \$( pidof mysql )
- D. lsblk
- E. killall -15
- F. vmstat -a 1 4

Correct Answer: AF

- A: Troubleshoot memory = yes
- B: open netcat on port 3306 = no
- C: renice -15 = no
- D: show block devices = no
- E: kill all processes in -15 = no
- F: Troubleshoot memory = yes



### QUESTION 3

Which of the following technologies provides load balancing, encryption, and observability in containerized environments?

- A. Virtual private network
- B. Sidecar pod
- C. Overlay network
- D. Service mesh

Correct Answer: D

A service mesh is a dedicated infrastructure layer that provides communication management between microservices in a containerized environment. Service meshes provide a range of features including load balancing, service discovery, traffic routing, encryption, and observability. The most popular service mesh frameworks are Istio, Linkerd, and Consul.

The other options provided are:

- A. Virtual private network (VPN) - A VPN is a secure connection between two networks over the internet, which is primarily used to ensure secure remote access to a private network.
  - B. Sidecar pod - A sidecar pod is a design pattern in Kubernetes that allows for two containers to run within the same pod.
  - C. Overlay network - An overlay network is a virtual network that is built on top of an existing physical network, providing additional network management features, but does not inherently provide the features mentioned in the question.
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### QUESTION 4

A Linux administrator has logged in to a server for the first time and needs to know which services are allowed through the firewall. Which of the following options will return the results for which the administrator is looking?

- A. `firewall-cmd --get-services`
- B. `firewall-cmd --check-config`
- C. `firewall-cmd --list-services`
- D. `systemctl status firewalld`

Correct Answer: C

- C. `firewall-cmd --list-services`

`firewall-cmd` is the command-line interface for the firewall management tool `firewalld` in Linux.

`--list-services` is an option used with the `firewall-cmd` command to list all the services that are currently allowed through the firewall.

So, the command `firewall-cmd --list-services` will return the list of services that are currently allowed through the firewall.



## QUESTION 5

A systems administrator created a web server for the company and is required to add a tag for the API so end users can connect. Which of the following would the administrator do to complete this requirement?

- A. `hostnamectl status --no-ask-password`
- B. `hostnamectl set-hostname "$(perl -le "print" "A" x 86)"`
- C. `hostnamectl set-hostname Comptia-WebNode -H root@192.168.2.14`
- D. `hostnamectl set-hostname Comptia-WebNode --transient`

Correct Answer: C

The `hostnamectl set-hostname Comptia-WebNode -H root@192.168.2.14` command sets the hostname of a Linux system.

Here's what each option does:

`set-hostname Comptia-WebNode`: The `set-hostname` option sets the hostname of the system to "Comptia-WebNode".

`-H root@192.168.2.14`: The `-H` option is used to specify the remote host to connect to. In this case, the administrator is connecting to the remote host with the IP address 192.168.2.14 as the root user.

This command sets the hostname of the remote host with IP address 192.168.2.14 to "Comptia-WebNode" as the root user. The new hostname will persist across reboots unless the administrator changes it again in the future.

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