Universidad Autónoma de Baja California

Facultad de Ciencias Químicas e Ingeniería

GESTIÓN Y SEGURIDAD EN REDES

Meta 2.3

Contenerización

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Tabla de Contenidos

Introducción

En esta práctica instalarems contenedores docker en un servidor

Desarrollo

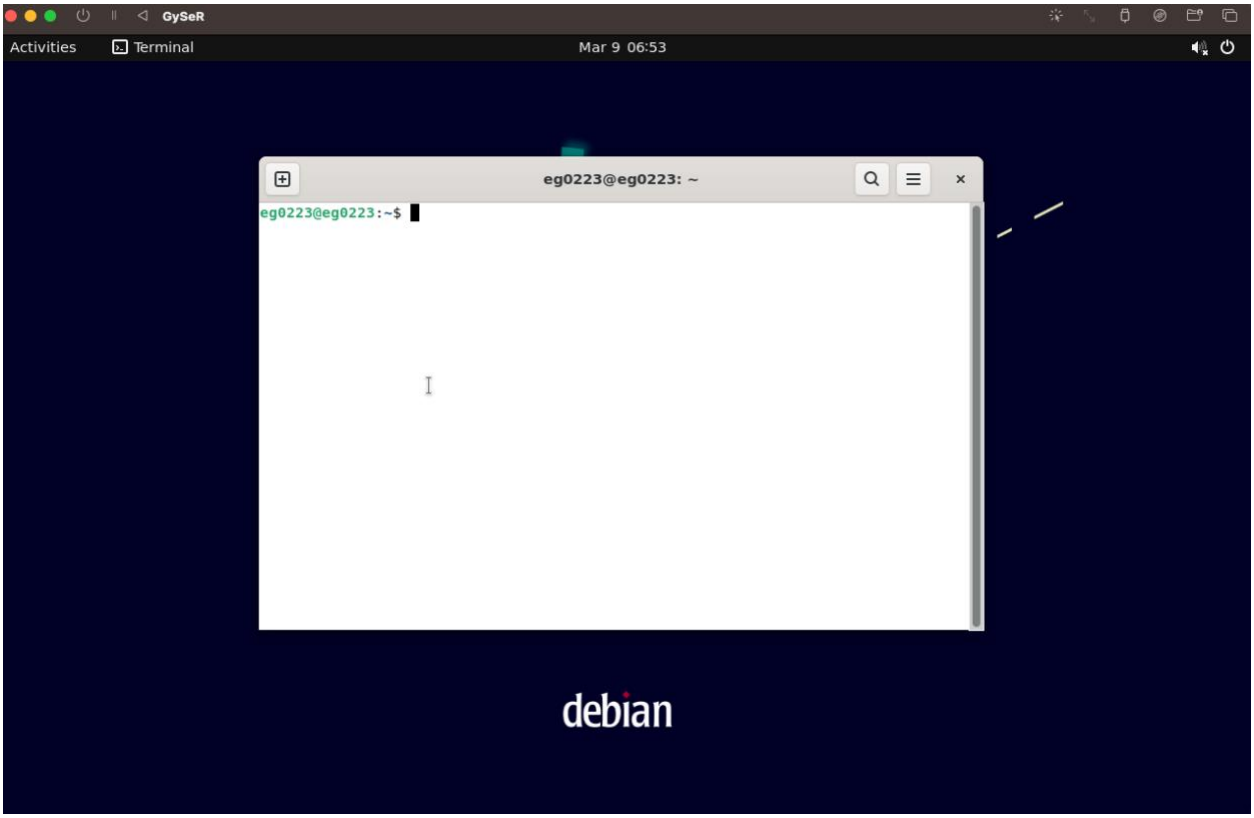
Investigación

Primeramente se identificaron y siguieron las instrucciones de instalación de Docker para la distro especifica Ubuntu

- Instalar gnome-terminal con “sudo apt install gnome terminal”
- Seguir instrucciones para instalar docker para ubuntu

```
Setting up libslirp0:arm64 (4.6.1-1build1) ...
Setting up pigz (2.6-1) ...
Setting up docker-ce-rootless-extras (5:25.0.4-1~ubuntu.22.04~jammy) ...
Setting up slirp4netns (1.0.1-2) ...
Setting up docker-ce (5:25.0.4-1~ubuntu.22.04~jammy) ...
Created symlink /etc/systemd/system/multi-user.target.wants/docker.service → /lib/systemd/system/docker.service.
Created symlink /etc/systemd/system/sockets.target.wants/docker.socket → /lib/systemd/system/docker.socket.
Processing triggers for man-db (2.10.2-1) ...
Processing triggers for libc-bin (2.35-0ubuntu3.6) ...
Scanning processes...
Scanning linux images...

Running kernel seems to be up-to-date.

No services need to be restarted.

No containers need to be restarted.

No user sessions are running outdated binaries.

No VM guests are running outdated hypervisor (qemu) binaries on this host.
eg0223@eg0223:/$ sudo docker run hello-world
Unable to find image 'hello-world:latest' locally
latest: Pulling from library/hello-world
478afc919002: Pull complete
Digest: sha256:d000bc569937abbe195e20322a0bde6b2922d805332fd6d8a68b19f524b7d21d
Status: Downloaded newer image for hello-world:latest

Hello from Docker!
This message shows that your installation appears to be working correctly.

To generate this message, Docker took the following steps:
 1. The Docker client contacted the Docker daemon.
 2. The Docker daemon pulled the "hello-world" image from the Docker Hub.
    (arm64v8)
 3. The Docker daemon created a new container from that image which runs the
    executable that produces the output you are currently reading.
 4. The Docker daemon streamed that output to the Docker client, which sent it
    to your terminal.

To try something more ambitious, you can run an Ubuntu container with:
 $ docker run -it ubuntu bash

Share images, automate workflows, and more with a free Docker ID:
 https://hub.docker.com/

For more examples and ideas, visit:
 https://docs.docker.com/get-started/

eg0223@eg0223:/$
```

- Para hacer mas accesible el servidor, se le ha instalado un entorno de escritorio (GUI) KDE Plasma con el comando “sudo apt install kde-plasma-desktop”. Con el cual nuestro servidor se vería así:



Conclusiones