



Examen Práctico Virtualización

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1. Repositorio (URL) de Github, conteniendo el archivo Dockerfile.

<https://github.com/AWDn0n/22041278> KaliLinux Examen

2. Captura donde se aprecie claramente vuestra imagen de Docker con la versión de Kali Linux y los paquetes solicitados.

```
PS C:\Users\pablo\Documents\KaliLinux-Examen> docker build -t awdn0n/kalilinux-examen-22041278 .
[+] Building 61.3s (9/9) FINISHED
=> [internal] load build definition from Dockerfile                                0.0s
=> => transferring dockerfile: 1.17kB                                           0.0s
=> [internal] load .dockerignore                                                 0.0s
=> => transferring context: 2B                                                  0.0s
=> [internal] load metadata for docker.io/kalilinux/kali-rolling:latest         0.0s
=> [1/5] FROM docker.io/kalilinux/kali-rolling                                0.0s
=> CACHED [2/5] RUN apt-get update                                              0.0s
=> CACHED [3/5] RUN apt-get update && apt-get install -y nano nmap python3.6 python3-distutils 0.0s
=> [4/5] RUN pip3 install jupyter                                             56.9s
=> [5/5] RUN apt-get clean                                                    0.7s
=> exporting to image                                                         3.7s
=> => exporting layers                                                         3.7s
=> => writing image sha256:8f01d7d84dd81a3419c3b2db28d2e8d2928f63585d580e825189a375f3abbe7d 0.0s
=> => naming to docker.io/awdn0n/kalilinux-examen-22041278                   0.0s
```

3. Captura donde se vea que no hay vulnerabilidades en vuestra imagen.

The screenshot shows the Docker Scout interface for the image 'awdn0n/kalilinux-examen-22041278:latest'. The top bar shows the image name, a hash, and metadata like 'CREATED less than a minute ago' and 'SIZE 732.08 MB'. A purple banner at the top states: 'Advanced image analysis is provided by Docker Scout (Early Access). Upgrade to continue to get access to guided vulnerability remediation and additional software supply chain features. Learn more and upgrade.' Below this, the 'Image hierarchy' section shows the image is built from 'kalilinux/kali-rolling:amd64, latest'. The 'Layers (20)' section lists 8 layers, all with a status of '0 B' and a green checkmark. The 'Vulnerabilities (0)' section shows a search bar and a message: 'No vulnerabilities were detected in this image'. The bottom right corner shows '0 - 0 of 0'.

4. Captura de la ejecución del container, con el OS actual.

```
(root@de0e3f6e1ad7)-[/]\KaliLinux-Examen> docker run -it --rm --name kalilinux-examen-container-22041278 awdn0n/kalilinux-examen-22041278
# uname -a
Linux de0e3f6e1ad7 5.15.90.1-microsoft-standard-WSL2 #1 SMP Fri Jan 27 02:56:13 UTC 2023 x86_64 GNU/Linux
```

5. Captura del lanzamiento de nmap en busca de servicios y puertos.

```
(root@de0e3f6e1ad7)-[/]
# nmap -sS 192.168.1.1 -F
Starting Nmap 7.94 ( https://nmap.org ) at 2023-10-24 14:22 UTC
Nmap scan report for 192.168.1.1
Host is up (0.0043s latency).
Not shown: 98 filtered tcp ports (no-response)
PORT      STATE SERVICE
80/tcp    open  http
443/tcp   open  https

Nmap done: 1 IP address (1 host up) scanned in 3.11 seconds
```

6. Subid vuestra imagen a Docker Hub y adjuntar la url de la misma.

<https://hub.docker.com/repository/docker/awdn0n/kalilinux-examen-22041278>