

23 DE FEBRERO DE 2022

PRÁCTICA 8

*Ansible, Docker, GitHub
y
Script Final*



HECHO POR:

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Ansible

Lo primero de todo, será generar unos ficheros nuevos donde concretaremos las conexiones

Fichero host (servidor)

```
[webservers]
192.168.0.35 ansible_ssh_user=carol ansible_ssh_pass=Carola25
```

Fichero ansible.cfg (servidor)

```
[defaults]

inventory=./host
host_key_checking = False
retry_files_enable = False
~
```

Test DHCP (servidor)

```
---
- hosts: webservers
  tasks:
    - name: run echo command
      command: /bin/echo hello world
```

Instalación DHCP (servidor)

```
---
- hosts: webservers
  become: yes
  tasks:
    - name: INSTALAR DHCP
      apt: name=isc-dhcp-server update_cache=yes state=latest
    - name: REINICIAR DHCP
      service: name=isc-dhcp-server state=restarted
      become: true
```

Desinstalación DHCP

```
---
- hosts: webservers
  become: yes
  tasks:
    - name: DESINSTALAR DHCP
      apt: name=isc-dhcp-server update_cache=yes state=absent
```

Comprobación de conexión con el cliente

```
carola@carola-VirtualBox:~/ansible-apache$ ansible webservers -m ping
192.168.0.35 | SUCCESS => {
  "ansible_facts": {
    "discovered_interpreter_python": "/usr/bin/python3"
  },
  "changed": false,
  "ping": "pong"
}
```

Comprobación conexión con Ansible

```
carola@carola-VirtualBox:~/ansible-apache$ ansible webservers -m command -a "/bin/echo Hola Mundo"
192.168.0.35 | CHANGED | rc=0 >>
Hola Mundo
```

Comprobación instalación del servicio (cliente)

```
carol@carol-VirtualBox:~$ sudo service isc-dhcp-server status
● isc-dhcp-server.service - ISC DHCP IPv4 server
   Loaded: loaded (/lib/systemd/system/isc-dhcp-server.service; enabled; vendor preset: enabled)
   Active: failed (Result: exit-code) since Sat 2022-02-19 10:26:06 CET; 1min ago
     Docs: man:dhcpcd(8)
    Process: 3419 ExecStart=/bin/sh -ec CONFIG_FILE=/etc/dhcp/dhcpd.conf; /usr/sbin/dhcpd $@ (code=exited, status=1/FAILURE)

feb 19 10:26:06 carol-VirtualBox dhcpd[3419]:
feb 19 10:26:06 carol-VirtualBox dhcpd[3419]: If you think you have received this message more than once,
feb 19 10:26:06 carol-VirtualBox dhcpd[3419]: you may have a configuration problem. Please report this
feb 19 10:26:06 carol-VirtualBox dhcpd[3419]: message to the sender of the message. See the README file in
feb 19 10:26:06 carol-VirtualBox dhcpd[3419]: the dhcpd-4.3.3 directory for more information. These logs
feb 19 10:26:06 carol-VirtualBox dhcpd[3419]: are for debugging purposes only and are not intended for
feb 19 10:26:06 carol-VirtualBox dhcpd[3419]: production use.
feb 19 10:26:06 carol-VirtualBox dhcpd[3419]: exiting.
feb 19 10:26:06 carol-VirtualBox systemd[1]: isc-dhcp-server.service: Main process exited, code=exited,
feb 19 10:26:06 carol-VirtualBox systemd[1]: isc-dhcp-server.service: Failed with result 'exit-code'.
```

Al no estar configurado, nos sale como “failed”, pero se ha instalado

Docker

Empezaremos creando un Docker sencillo

```
carola@carola-VirtualBox:~$ docker run hello-world
Unable to find image 'hello-world:latest' locally
latest: Pulling from library/hello-world
2db29710123e: Pull complete
Digest: sha256:97a379f4f88575512824f3b352bc03cd75e239179eea0fecc38e597b2209f49a
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.
    (amd64)
```

Buscamos el dhcp que queremos, en mi caso voy a elegir Ubuntu

- docker search [lo que queremos buscar]

```
carola@carola-VirtualBox:~$ docker search ubuntu
```

NAME	DESCRIPTION	STARS	OFFICIAL	AUTOMATED
ubuntu/nginx	Nginx, a high-performance reverse proxy & we...	31		
ubuntu/mysql	MySQL open source fast, stable, multi-thread...	23		
ubuntu/apache2	Apache, a secure & extensible open-source HT...	23		
ubuntu/prometheus	Prometheus is a systems and service monitori...	22		
kasmweb/ubuntu-bionic-desktop	Ubuntu productivity desktop for Kasm Workspa...	17		
ubuntu/postgres	PostgreSQL is an open source object-relatio...	13		
ubuntu/squid	Squid is a caching proxy for the Web. Long-t...	12		
ubuntu/bind9	BIND 9 is a very flexible, full-featured DNS...	11		
ubuntu/redis	Redis, an open source key-value store. Long...	8		
ubuntu/prometheus-alertmanager	Alertmanager handles client alerts from Prom...	5		
ubuntu/grafana	Grafana, a feature rich metrics dashboard & ...	5		
ubuntu/telegraf	Telegraf collects, processes, aggregates & w...	3		
circleci/ubuntu-server	This image is for internal use	3		
ubuntu/memcached	Memcached, in-memory keyvalue store for smal...	3		
ubuntu/cortex	Cortex provides storage for Prometheus. Long...	2		
ubuntu/cassandra	Cassandra, an open source NoSQL distributed ...	1		
ubuntu	Ubuntu is a Debian-based Linux operating sys...	0	[OK]	
ubuntu-upstart	DEPRECATED, as is Upstart (find other proces...	0	[OK]	
open-liberty	Open Liberty multi-architecture images based...	0	[OK]	
neurodebian	NeuroDebian provides neuroscience research s...	0	[OK]	
ubuntu-debootstrap	DEPRECATED; use "ubuntu" instead	0	[OK]	
bitnami/ubuntu-base-buildpack	Ubuntu base compilation image	0		[OK]
websphere-liberty	WebSphere Liberty multi-architecture images ...	0	[OK]	
snky/ubuntu	A base ubuntu image for all broker clients t...	0		
rancher/ubuntuconsole		0		

Hacemos el pull para descargarnos en este caso ubuntu

```
carola@carola-VirtualBox:~$ docker pull ubuntu
Using default tag: latest
latest: Pulling from library/ubuntu
08c01a0ec47e: Already exists
Digest: sha256:669e010b58baf5beb2836b253c1fd5768333f0d1dbcb834f7c07a4dc93f474be
Status: Downloaded newer image for ubuntu:latest
docker.io/library/ubuntu:latest
```

Comprobamos las imágenes que tenemos y comprobamos que la hemos descargado correctamente

```
carola@carola-VirtualBox:~$ docker images
```

REPOSITORY	TAG	IMAGE ID	CREATED	SIZE
ubuntu	latest	54c9d81cbb44	2 weeks ago	72.8MB
hello-world	latest	feb5d9fea6a5	4 months ago	13.3kB

Implementamos la imagen

Con Docker run empezaríamos el Docker, pero hay veces que necesitamos agregar run -it para entrar

```
carola@carola-VirtualBox:~$ docker run ubuntu
```

```
carola@carola-VirtualBox:~$ docker run -it ubuntu
root@2e0330c00ae3:/#
```

Podemos observar, que tenemos literalmente un sistema operativo dentro de otro sistema operativo

```
root@2e0330c00ae3:/# ls
bin boot dev etc home lib lib32 lib64 libx32 media mnt opt proc root run sbin srv sys usr var
```

Al ser otro sistema, inicio la actualización del “sistema”

A su vez, utilizo la combinación de teclas Cntrl+P y Cntrl+Q, ya que necesito el sistema principal mientras que nuestra jaula sigue funcionando, pero si queremos volver a la jaula que hemos dejado en segundo plano, deberemos utilizar:

- **docker attach[nombre_docker]**

Para salir finalmente de nuestro Docker, tendremos que utilizar Cntrl+D ó Cntrl+C ó escribiendo exit en la “terminal”. Podremos comprobar si nuestros Docker están Up o no con:

- **docker ps -a**

```
root@93b96a1c6f37:/# exit
exit
carola@carola-VirtualBox:~$ docker ps -a
```

CONTAINER ID	IMAGE	COMMAND	CREATED	STATUS	PORTS	NAMES
93b96a1c6f37	ubuntu	"bash"	18 minutes ago	Exited (0) 8 seconds ago		silly_johnson
116d143910d0	hello-world	"/hello"	52 minutes ago	Exited (0) 52 minutes ago		objective_bassi

En cambio, si queremos volver a iniciarlo, deberemos utilizar:

- **docker start [Nombre_docker]**

```
carola@carola-VirtualBox:~$ docker start silly_johnson
silly_johnson
```

Y mas tarde

- **docker attach [Nombre_docker]**

```
carola@carola-VirtualBox:~$ docker attach silly_johnson
```

Dentro de la jaula, voy a iniciar la instalación de un par de servicios, en mi caso apache2 y DHCP

Instalación de servicios

Instalo el servicio DHCP en nuestro docker

```
root@2e0330c00ae3:/# apt install isc-dhcp-server -y
Reading package lists... Done
Building dependency tree
Reading state information... Done
```

Inicio el servicio DHCP

```
root@93b96a1c6f37:/# service isc-dhcp-server start
Launching both IPv4 and IPv6 servers (please configure INTERFACES in /etc/default/isc-dhcp-server if you only want one or the other).
* Starting ISC DHCPv4 server dhcpd
```

Este servicio, estaría completamente funcional si hacemos la configuración, por eso no esta activo como tal.

Instalo el servicio Apache2

```
root@93b96a1c6f37:/# apt-get install apache2
```

Compruebo que el servicio apache2 está activo

```
root@93b96a1c6f37:/# service apache2 status
* apache2 is not running
root@93b96a1c6f37:/# service apache2 start
* Starting Apache httpd web server apache2
AH00558: apache2: Could not reliably determine the server's fully qualified domain name, using 172.17.0.5. Set the 'ServerName' directive globally to suppress this message
*
root@93b96a1c6f37:/# service apache2 status
* apache2 is running
root@93b96a1c6f37:/#
```

Para seguir haciendo pruebas, he hecho un pequeño script para comprobar el estado del servicio instalado en nuestra jaula

```
root@93b96a1c6f37: /
GNU nano 4.8                                comprobacion_apache.sh
#!/bin/bash

if [ $1 == "apache2" ]; then
    echo "Hora de comprobar el servicio apache2"
    service $1 status
else
    echo "No has puesto parametro"
    echo "Opcion:"
    echo "          apache2"
fi
```

Comprobacion de errores:

```
root@93b96a1c6f37:/# ./comprobacion_apache.sh
No has puesto parametro
Opcion:
          apache2
root@93b96a1c6f37:/#
```

Comprobacion normal de script:

```
root@93b96a1c6f37:/# ./comprobacion_apache.sh apache2
Hora de comprobar el servicio apache2
* apache2 is not running
root@93b96a1c6f37:/#
```

(No esta funcionando, ya que hemos salido previamente del Docker y se han detenido los servicios)

En el siguiente script, voy a iniciar el servicio

```
GNU nano 4.8
#!/bin/bash

if [[ $1 == "apache2" ]]; then
    echo "Vamos a activar el servicio apache2"
    service $1 start
else
    echo "No me has puesto ningun parametro aceptable"
    echo "Opciones:"
    echo "        apache2"
fi
```

Comprobación de error

```
root@93b96a1c6f37:/# ./activar_apache.sh
No me has puesto ningun parametro aceptable
Opciones:
        apache2
```

Comprobación normal:

```
root@93b96a1c6f37:/# ./activar_apache.sh apache2
Vamos a activar el servicio apache2
* Starting Apache httpd web server apache2
```

Comprobamos que ha funcionado finalmente con el script anterior:

```
root@93b96a1c6f37:/# ./comprobacion_apache.sh apache2
Hora de comprobar el servicio apache2
* apache2 is running
root@93b96a1c6f37:/#
```


Script final

Con este script vamos a recoger un conjunto de acciones. Teniendo así, un menú con 8 opciones distintas para completar las necesidades del usuario.

```
while [ 0 -eq 0 ]
do
    echo ""
    echo "[----- +MENU+ -----]"
    echo ""
    echo "[----- SERVICIOS -----]"
    echo "1. Comprobar actualizaciones del equipo e instalarlas"
    echo "2. Ver servicios del equipo instalados"
    echo "3. Mostrar estado de un servicio [X]"
    echo "4. Instalación de DHCP"
    echo "5. Datos DHCP"
    echo "5.1 Que es DHCP"
    echo ""
    echo "[----- PAQUETES -----]"
    echo "6. Mostrar paquetes instalados"
    echo "7. Mostrar paquete y posible instalacion [X]"
    echo "8. Salir"
    echo ""
    echo "[-----]"
    read -r -p "Dime que opcion quieres: " opcion

    if [ $opcion == "1" ]; then
        echo "[=====]"
        echo "[===== Se va a actualizar el equipo =====]"
        echo "[=====]"
        sudo apt update -y
        sudo apt upgrade -y
        sleep 2
        echo "[=====]"
        echo "[----- Tu equipo se ha actualizado -----]"
        echo "[=====]"
        sleep 4
        echo ""
    fi

    if [ $opcion == "2" ]; then
        echo ""
        echo "[=====]"
        echo "[===== Se van a mostrar los servicios =====]"
        echo "[=====]"
        service --status-all
        sleep 2
        echo ""
        echo "[=====]"
        echo "[===== Esos son todos los servicios =====]"
    fi
done
```

```

        echo "[===== Esos son todos los servicios =====]"
        echo "[=====]"
        sleep 3
    else
        echo ""
        echo "[=====]"
        echo "NO se mostraran los servicios en ejecucion"
        echo "[=====]"
        sleep 3
    fi
fi

if [ $opcion == "3" ]; then
    read -r -p "Que servicio quieres comprobar?: " servicio1
    if [ $servicio1 ]; then
        echo ""
        echo "[=====]"
        echo "[===== Se va a comprobar el servicio $servicio1 =====]"
        echo "[=====]"
        echo ""
        sleep 3
        sudo systemctl status $servicio1
        sleep 3
    else
        echo ""
        echo "[+++++]"
        echo "ERROR: No has puesto el servicio a comprobar"
        echo "[+++++]"
        echo ""
        sleep 2
    fi
fi

if [ $opcion == "4" ]; then
    echo ""
    echo "[=====]"
    echo "[===== Va a comenzar la instalación de DHCP =====]"
    echo "[=====]"
    sleep 3
    echo ""
    echo "[=====]"
    echo "[===== Va a comenzar la comprobacion de actualizaciones =====]"
    echo "[=====]"
    sleep 3
    sudo apt update; sudo apt upgrade -y
    echo ""
    echo "[=====]"
    echo "[===== Tu sistema se ha actualizado correctamente =====]"

```

```

echo "[===== Tu sistema se ha actualizado correctamente =====]"
echo "[=====]"
echo ""
sleep 3
echo "++++ Inicio de instalacion del servicio DHCP ++++"
echo ""
sleep 3
sudo apt-get install isc-dhcp-server -y
echo ""
echo "[=====]"
echo "[===== Servicio instalado correctamente =====]"
echo "[=====]"
echo ""
sleep 2
read -r -p "Quieres comprobarlo? (Y/N): " comprob
if [ $comprob == "Y" ] || [ $comprob == "y" ]; then
    echo ""
    sudo /etc/init.d/isc-dhcp-server status
    echo ""
    sleep 3
else
    echo ""
    echo "[+++++]"
    echo "ERROR: No se va a comprobar el servicio DHCP"
    echo "[+++++]"
    echo ""
fi

fi

if [ $opcion == "5" ]; then
    echo ""
    echo "[=====]"
    echo "[===== Se va a mostrar informacion de DHCP =====]"
    echo "[=====]"
    sleep 3
    echo ""
    echo "-----"
    echo "Estas conectado ahora mismo como:"
    whoami
    echo "-----"
    echo "Tu IP actual es:"
    hostname -I
    echo "-----"
    sleep 2
    echo "Tu IP de loopback es:"
    hostname -i

```

```

hostname -i
echo "-----"
sleep 2
echo "Tu mascara de red y tu IP de broadcast es:"
ifconfig | grep netmask
echo "-----"
sleep 2
echo "Interfaz de conexion:"
if [[ `ifconfig | grep eth0` ]]; then
    echo "eth0"
elif [[ `ifconfig | grep enp0s3` ]]; then
    echo "enp0s3"
else
    echo "lo"
fi
echo "-----"
sleep 7
echo ""
read -r -p "Quieres ver logs de DHCP? (Y/N): " logs

if [ $logs == "Y" ] || [ $logs == "y" ]; then
    cat /var/log/syslog | grep -E "dhcp"
    sleep 10
    echo ""
    read -r -p "Quieres ver los dispositivos de red? (Y/N): " int
    echo ""
    if [ $int == "Y" ] || [ $int == "y" ]; then
        arp -a
        sleep 4
    else
        echo "[+++++]"
        echo "[+ No se van a mostrar los dispositivos +]"
        echo "[+++++]"
        echo ""
        sleep 2
    fi
    echo ""
else
    echo ""
    echo "[+++++]"
    echo "[++ No se van mostrar los logs de DHCP ++]"
    echo "[+++++]"
    echo ""
    sleep 3
fi
fi

```

```

if [ $opcion == "5.1" ]; then
echo ""
echo "[=====]"
echo "El protocolo de configuración dinámica de host es un protocolo de red de tipo cliente/servidor"
echo "mediante el cual un servidor DHCP asigna dinámicamente una dirección IP y otros parámetros de configuración de red a cada dispositivo en una red para que puedan"
echo "comunicarse con otras redes IP"
echo "[=====]"
echo ""
sleep 7
fi

if [ $opcion == "6" ]; then
echo ""
echo "[=====]"
echo "==== Se van a mostrar los paquetes ====="
echo "[=====]"
echo ""
dpkg -l
fi

if [ $opcion == "7" ]; then
echo ""
read -r -p "Que paquete quieres comprobar?: " paquete1
if [ $paquete1 ]; then
echo ""
echo "[=====]"
echo "[===== Comprobacion =====]"
echo "[=====]"
echo ""
sleep 3
#Comprobar si este en el sistema y mostrarlo, sino, dar opcion a instalarlo.
if [[ dpkg -l $paquete1 ]]; then
sleep 5
echo ""
echo "[=====]"
echo "==== Tu paquete esta instalado ====="
echo "[=====]"
sleep 4
else
read -r -p "Quieres instalarlo? (Y/N): " opcion2
if [[ $opcion2 == "Y" ]] || [[ $opcion2 == "y" ]]; then
echo "[=====]"
echo "==== Se va a instalar $paquete1 ====="
echo "[=====]"
sudo apt install $paquete1 -y
sudo apt update
sudo apt upgrade

```

```

sudo apt upgrade
sleep 3
echo "[=====]"
echo "[===== Tu paquete esta instalado =====]"
echo "[=====]"
else
echo ""
echo "[+++++]"
echo " No se va a instalar el paquete $paquete1 "
echo "[+++++]"
echo ""
sleep 3
fi
fi
else
echo ""
echo "[+++++]"
echo "ERROR: No has puesto el paquete a comprobar"
echo "[+++++]"
echo ""
sleep 3
fi

if [ $opcion == "8" ]; then
echo ""
echo "[=====]"
echo "[===== Fin del script =====]"
echo "[=====]"
echo ""
sleep 1
break
fi
done

```

Funcionamiento

Empezaremos lanzando un menú, en el que el usuario podrá elegir la opción que necesite

```
carola@carola-VirtualBox:~/ansible-dhcp/script_final_DHCP$ sudo ./script.sh

[----- +MENU+ -----]

[----- SERVICIOS -----]
1. Comprobar actualizaciones del equipo e instalarlas
2. Ver servicios del equipo instalados
3. Mostrar estado de un servicio [X]
4. Instalación de DHCP
5. Datos DHCP
5.1 Que es DHCP

[----- PAQUETES -----]
6. Mostrar paquetes instalados
7. Mostrar paquete y posible instalacion [X]
8. Salir

[-----]
Dime que opcion quieres:
```

Con la opción 1, comprobaremos las actualizaciones del sistema y en caso de haber, estas se instalaran

```
Dime que opcion quieres: 1
[=====]
[===== Se va a actualizar el equipo =====]
[=====]
Hit:1 https://download.docker.com/linux/ubuntu focal InRelease
Get:2 http://security.ubuntu.com/ubuntu focal-security InRelease [114 kB]
Hit:3 http://es.archive.ubuntu.com/ubuntu focal InRelease
Get:4 http://es.archive.ubuntu.com/ubuntu focal-updates InRelease [114 kB]
Get:5 http://es.archive.ubuntu.com/ubuntu focal-backports InRelease [108 kB]
Get:6 http://security.ubuntu.com/ubuntu focal-security/main amd64 Packages [1,265 kB]
Get:7 http://security.ubuntu.com/ubuntu focal-security/main i386 Packages [383 kB]
Get:8 http://security.ubuntu.com/ubuntu focal-security/main Translation-en [221 kB]
Get:9 http://security.ubuntu.com/ubuntu focal-security/main amd64 DEP-11 Metadata [40.7 kB]
Get:10 http://security.ubuntu.com/ubuntu focal-security/main amd64 c-n-f Metadata [9,624 B]
Get:11 http://security.ubuntu.com/ubuntu focal-security/restricted amd64 Packages [764 kB]
Get:12 http://security.ubuntu.com/ubuntu focal-security/restricted Translation-en [109 kB]
Get:13 http://security.ubuntu.com/ubuntu focal-security/universe i386 Packages [535 kB]
Get:14 http://security.ubuntu.com/ubuntu focal-security/universe amd64 Packages [679 kB]
Get:15 http://security.ubuntu.com/ubuntu focal-security/universe Translation-en [116 kB]

Setting up libexpat1:amd64 (2.2.9-1ubuntu0.2) ...
Setting up libsasl2-modules:amd64 (2.1.27+dfsg-2ubuntu0.1) ...
Setting up libsasl2-modules-db:amd64 (2.1.27+dfsg-2ubuntu0.1) ...
Setting up libsasl2-2:amd64 (2.1.27+dfsg-2ubuntu0.1) ...
Processing triggers for libc-bin (2.31-0ubuntu9.2) ...
[=====]
[----- Tu equipo se ha actualizado -----]
[=====]
```

Con la opción 2, comprobaremos los servicios instalados, y a continuación nos dará la opción de si queremos ver solo los servicios en ejecución

```
Dime que opcion quieres: 2

[=====]
[==== Se van a mostrar los servicios ====]
[=====]
[ + ] acpid
[ - ] alsa-utils
[ - ] anacron
[ - ] apache-htcacheclean
[ + ] apache2
[ + ] apparmor
[ + ] apport
[ + ] avahi-daemon
[ - ] bluetooth
[ - ] console-setup.sh
[ + ] cron
[ + ] cups
[ + ] cups-browsed
[ + ] dbus
[ + ] docker
[ + ] gdm3
[ - ] grub-common
[ - ] hwclock.sh
[ - ] irqbalance
[ - ] isc-dhcp-server
[ + ] kerneloops
[ - ] keyboard-setup.sh
[ + ] kmod
[ + ] network-manager
[ - ] open-vm-tools
[ + ] openvpn
[ - ] plymouth
[ - ] plymouth-log
[ - ] pppd-dns
[ + ] procs
[ - ] pulseaudio-enable-autospawn
[ - ] rsync
[ + ] rsyslog
[ - ] saned
[ - ] speech-dispatcher
[ - ] spice-vdagent
[ + ] ssh
[ + ] udev
[ + ] ufw
[ + ] unattended-upgrades
[ - ] uuidd
[ + ] whoopsie
[ - ] x11-common

[=====]
[==== Esos son todos los servicios ====]
[=====]
```



```

[=====]
[==== Esos son todos los servicios =====]
[=====]

Quieres ver solo los servicios en ejecucion? (Y/N)y
[ + ] acpid
[ + ] apache2
[ + ] apparmor
[ + ] apport
[ + ] avahi-daemon
[ + ] cron
[ + ] cups
[ + ] cups-browsed
[ + ] dbus
[ + ] docker
[ + ] gdm3
[ + ] kerneloops
[ + ] kmod
[ + ] network-manager
[ + ] openvpn
[ + ] procps
[ + ] rsyslog
[ + ] ssh
[ + ] udev
[ + ] ufw
[ + ] unattended-upgrades
[ + ] whoopsie

[=====]
[==== Esos son todos los servicios =====]
[=====]

```

Con la tercera opción, comprobaremos el estado de un servicio en concreto puesto por el usuario

```

Dime que opcion quieres: 3
Que servicio quieres comprobar?: cron

[=====]
[==== Se va a comprobar el servicio cron =====]
[=====]

● cron.service - Regular background program processing daemon
   Loaded: loaded (/lib/systemd/system/cron.service; enabled; vendor preset: enabled)
   Active: active (running) since Sat 2022-02-19 21:43:33 CET; 3 days ago
     Docs: man:cron(8)
    Main PID: 621 (cron)
      Tasks: 1 (limit: 2295)
    Memory: 476.0K
    CGroup: /system.slice/cron.service
            └─621 /usr/sbin/cron -f

Feb 19 21:43:33 carola-VirtualBox systemd[1]: Started Regular background program processing daemon.
Feb 19 21:43:34 carola-VirtualBox cron[621]: (CRON) INFO (pidfile fd = 3)
Feb 19 21:43:34 carola-VirtualBox cron[621]: (CRON) INFO (Running @reboot jobs)

```

En caso de no existir, saldrá un error de comando

```
Dime que opcion quieres: 3
Que servicio quieres comprobar?: asd

[=====]
[===== Se va a comprobar el servicio asd =====]
[=====]

Unit asd.service could not be found.
```

En la opción 4, instalaremos el servicio DHCP pero sin configurarlo, y posteriormente nos saldrá la opción de si queremos comprobar el que se haya actualizado. Antes de instalar el servicio, el equipo comprobara actualizaciones y de ser así, las instalara

```
[=====]
Dime que opcion quieres: 4

[=====]
[===== Va a comenzar la instalación de DHCP =====]
[=====]

[=====]
[===== Va a comenzar la comprobacion de actualizaciones =====]
[=====]
Hit:1 https://download.docker.com/linux/ubuntu focal InRelease
Hit:2 http://security.ubuntu.com/ubuntu focal-security InRelease
Hit:3 http://es.archive.ubuntu.com/ubuntu focal InRelease
Hit:4 http://es.archive.ubuntu.com/ubuntu focal-updates InRelease
Hit:5 http://es.archive.ubuntu.com/ubuntu focal-backports InRelease
Reading package lists... Done
Building dependency tree
Reading state information... Done
All packages are up to date.
Reading package lists... Done
Building dependency tree
Reading state information... Done
Calculating upgrade... Done
The following packages were automatically installed and are no longer required:
  libfprint-2-tod1 libllvm10
Use 'sudo apt autoremove' to remove them.
0 upgraded, 0 newly installed, 0 to remove and 0 not upgraded.

[=====]
[===== Tu sistema se ha actualizado correctamente =====]
[=====]

++++ Inicio de instalacion del servicio DHCP +++

Reading package lists... Done
Building dependency tree
Reading state information... Done
isc-dhcp-server is already the newest version (4.4.1-2.1ubuntu5.20.04.2).
The following packages were automatically installed and are no longer required:
  libfprint-2-tod1 libllvm10
Use 'sudo apt autoremove' to remove them.
0 upgraded, 0 newly installed, 0 to remove and 0 not upgraded.

[=====]
[===== Servicio instalado correctamente =====]
[=====]

Quieres comprobarlo? (Y/N):
```

```

Quieres comprobarlo? (Y/N): Y

● isc-dhcp-server.service - ISC DHCP IPv4 server
   Loaded: loaded (/lib/systemd/system/isc-dhcp-server.service; enabled; vendor preset: enabled)
   Active: failed (Result: exit-code) since Sat 2022-02-19 21:43:38 CET; 3 days ago
     Docs: man:dhcpd(8)
   Process: 877 ExecStart=/bin/sh -ec CONFIG_FILE=/etc/dhcp/dhcpd.conf; if [ -f /etc/ltsp/dhcpd.conf ]; then CONFIG_FILE=/etc/ltsp/dhcpd.conf; fi; [ -e /var/lib/dhcp/dhcpd.leases ] || touch /var/lib/dhcp/dhcpd.leases; chown root:dhcpd /var/lib/dhcp /var/lib/dhcp/dhcpd.leases; chmod 775 /var/lib/dhcp; chmod 604 /var/lib/dhcp/dhcpd.leases; if test -n "$INTERFACES" -a -z "$INTERFACESv4"; then INTERFACESv4="$INTERFACES"; fi; exec dhcpd -u user dhcpd -g group dhcpd -f -4 -pf /run/dhcp-server/dhcpd.pid -cf $CONFIG_FILE $INTERFACESv4 (code=exited), status=1/FAILURE
   Main PID: 877 (code=exited, status=1/FAILURE)

Feb 19 21:43:38 carola-VirtualBox dhcpd[877]:
Feb 19 21:43:38 carola-VirtualBox dhcpd[877]: If you think you have received this message due to a bug rather
Feb 19 21:43:38 carola-VirtualBox dhcpd[877]: than a configuration issue please read the section on submitting
Feb 19 21:43:38 carola-VirtualBox dhcpd[877]: bugs on either our web page at www.isc.org or to the README file
Feb 19 21:43:38 carola-VirtualBox dhcpd[877]: before submitting a bug. These pages explain the proper
Feb 19 21:43:38 carola-VirtualBox dhcpd[877]: process and the information we find helpful for debugging.
Feb 19 21:43:38 carola-VirtualBox dhcpd[877]: exiting.
Feb 19 21:43:38 carola-VirtualBox systemd[1]: isc-dhcp-server.service: Main process exited, code=exited, status=1/FAILURE
Feb 19 21:43:38 carola-VirtualBox systemd[1]: isc-dhcp-server.service: Failed with result 'exit-code'.

```

En la opción cinco, veremos información relevante sobre nuestro sistema referido a las interfaces, IP's y usuario. Posteriormente, nos dará la opción de comprobar los logs de DHCP y la opción de poder ver los logs de DHCP

```

Dime que opción quieres: 5

[=====]
[==== Se va a mostrar información de DHCP =====]
[=====]

-----
Estas conectado ahora mismo como:
root
-----
Tu IP actual es:
192.168.0.38 172.17.0.1
-----
Tu IP de loopback es:
127.0.1.1
-----
Tu mascara de red y tu IP de broadcast es:
inet 172.17.0.1 netmask 255.255.0.0 broadcast 172.17.255.255
inet 192.168.0.38 netmask 255.255.255.0 broadcast 192.168.0.255
inet 127.0.0.1 netmask 255.0.0.0
-----
Interfaz de conexion:
enp0s3
-----
Quieres ver logs de DHCP? (Y/N):

```

```

Quieres ver logs de DHCP? (Y/N): y
Feb 23 11:00:34 carola-VirtualBox NetworkManager[624]: <Info> [1645610434.4669] dhcp4 (enp0s3): canceled DHCP transaction
Feb 23 11:00:34 carola-VirtualBox NetworkManager[624]: <Info> [1645610434.4669] dhcp4 (enp0s3): state changed bound -> done
Feb 23 11:00:34 carola-VirtualBox NetworkManager[624]: <Info> [1645610434.4674] dhcp4 (enp0s3): activation: beginning transaction (timeout in 45 seconds)
Feb 23 11:00:35 carola-VirtualBox NetworkManager[624]: <Info> [1645610435.7336] dhcp4 (enp0s3): option dhcp lease time => '86400'
Feb 23 11:00:35 carola-VirtualBox NetworkManager[624]: <Info> [1645610435.7347] dhcp4 (enp0s3): option domain_name_servers => '1212.166.210.80 212.166.132.104'
Feb 23 11:00:35 carola-VirtualBox NetworkManager[624]: <Info> [1645610435.7350] dhcp4 (enp0s3): option expiry => '1645696834'
Feb 23 11:00:35 carola-VirtualBox NetworkManager[624]: <Info> [1645610435.7353] dhcp4 (enp0s3): option ip_address => '192.168.0.38'
Feb 23 11:00:35 carola-VirtualBox NetworkManager[624]: <Info> [1645610435.7397] dhcp4 (enp0s3): option next_server => '192.168.0.1'
Feb 23 11:00:35 carola-VirtualBox NetworkManager[624]: <Info> [1645610435.7401] dhcp4 (enp0s3): option requested_broadcast_address => '1'
Feb 23 11:00:35 carola-VirtualBox NetworkManager[624]: <Info> [1645610435.7403] dhcp4 (enp0s3): option requested_domain_name => '1'
Feb 23 11:00:35 carola-VirtualBox NetworkManager[624]: <Info> [1645610435.7404] dhcp4 (enp0s3): option requested_domain_name_servers => '1'
Feb 23 11:00:35 carola-VirtualBox NetworkManager[624]: <Info> [1645610435.7405] dhcp4 (enp0s3): option requested_domain_search => '1'
Feb 23 11:00:35 carola-VirtualBox NetworkManager[624]: <Info> [1645610435.7405] dhcp4 (enp0s3): option requested_host_name => '1'
Feb 23 11:00:35 carola-VirtualBox NetworkManager[624]: <Info> [1645610435.7405] dhcp4 (enp0s3): option requested_interface_name => '1'
Feb 23 11:00:35 carola-VirtualBox NetworkManager[624]: <Info> [1645610435.7406] dhcp4 (enp0s3): option requested_ms_classless_static_routes => '1'

```

```
Quieres ver logs de DHCP? (Y/N): y
Feb 23 11:00:34 carola-VirtualBox NetworkManager[624]: <info> [1645610434.4669] dhcp4 (enp0s3): canceled DHCP transaction
Feb 23 11:00:34 carola-VirtualBox NetworkManager[624]: <info> [1645610434.4669] dhcp4 (enp0s3): state changed bound -> done
Feb 23 11:00:34 carola-VirtualBox NetworkManager[624]: <info> [1645610434.4674] dhcp4 (enp0s3): activation: beginning transaction (timeout in 45 seconds)
Feb 23 11:00:35 carola-VirtualBox NetworkManager[624]: <info> [1645610435.7336] dhcp4 (enp0s3): option dhcp_lease_time => '86400'
Feb 23 11:00:35 carola-VirtualBox NetworkManager[624]: <info> [1645610435.7347] dhcp4 (enp0s3): option domain_name_servers => '212.166.210.80 212.166.132.104'
Feb 23 11:00:35 carola-VirtualBox NetworkManager[624]: <info> [1645610435.7350] dhcp4 (enp0s3): option expiry => '1645696834'
Feb 23 11:00:35 carola-VirtualBox NetworkManager[624]: <info> [1645610435.7353] dhcp4 (enp0s3): option ip_address => '192.168.0.38'
Feb 23 11:00:35 carola-VirtualBox NetworkManager[624]: <info> [1645610435.7397] dhcp4 (enp0s3): option next_server => '192.168.0.1'
Feb 23 11:00:35 carola-VirtualBox NetworkManager[624]: <info> [1645610435.7401] dhcp4 (enp0s3): option requested_broadcast_address => '1'
Feb 23 11:00:35 carola-VirtualBox NetworkManager[624]: <info> [1645610435.7403] dhcp4 (enp0s3): option requested_domain_name => '1'
Feb 23 11:00:35 carola-VirtualBox NetworkManager[624]: <info> [1645610435.7404] dhcp4 (enp0s3): option requested_domain_name_servers => '1'
Feb 23 11:00:35 carola-VirtualBox NetworkManager[624]: <info> [1645610435.7405] dhcp4 (enp0s3): option requested_domain_search => '1'
Feb 23 11:00:35 carola-VirtualBox NetworkManager[624]: <info> [1645610435.7405] dhcp4 (enp0s3): option requested_host_name => '1'
Feb 23 11:00:35 carola-VirtualBox NetworkManager[624]: <info> [1645610435.7405] dhcp4 (enp0s3): option requested_interface_mtu => '1'
Feb 23 11:00:35 carola-VirtualBox NetworkManager[624]: <info> [1645610435.7406] dhcp4 (enp0s3): option requested_ms_classless_static_routes => '1'
Feb 23 11:00:35 carola-VirtualBox NetworkManager[624]: <info> [1645610435.7406] dhcp4 (enp0s3): option requested_nis_domain => '1'
Feb 23 11:00:35 carola-VirtualBox NetworkManager[624]: <info> [1645610435.7406] dhcp4 (enp0s3): option requested_nis_servers => '1'
Feb 23 11:00:35 carola-VirtualBox NetworkManager[624]: <info> [1645610435.7406] dhcp4 (enp0s3): option requested_ntp_servers => '1'
Feb 23 11:00:35 carola-VirtualBox NetworkManager[624]: <info> [1645610435.7406] dhcp4 (enp0s3): option requested_rfc3442_classless_static_routes => '1'
Feb 23 11:00:35 carola-VirtualBox NetworkManager[624]: <info> [1645610435.7407] dhcp4 (enp0s3): option requested_root_path => '1'
Feb 23 11:00:35 carola-VirtualBox NetworkManager[624]: <info> [1645610435.7407] dhcp4 (enp0s3): option requested_routers => '1'
Feb 23 11:00:35 carola-VirtualBox NetworkManager[624]: <info> [1645610435.7407] dhcp4 (enp0s3): option requested_static_routes => '1'
Feb 23 11:00:35 carola-VirtualBox NetworkManager[624]: <info> [1645610435.7407] dhcp4 (enp0s3): option requested_subnet_mask => '1'
Feb 23 11:00:35 carola-VirtualBox NetworkManager[624]: <info> [1645610435.7407] dhcp4 (enp0s3): option requested_time_offset => '1'
Feb 23 11:00:35 carola-VirtualBox NetworkManager[624]: <info> [1645610435.7408] dhcp4 (enp0s3): option requested_wpad => '1'
Feb 23 11:00:35 carola-VirtualBox NetworkManager[624]: <info> [1645610435.7408] dhcp4 (enp0s3): option routers => '192.168.0.1'
Feb 23 11:00:35 carola-VirtualBox NetworkManager[624]: <info> [1645610435.7408] dhcp4 (enp0s3): option subnet_mask => '255.255.255.0'
Feb 23 11:00:35 carola-VirtualBox NetworkManager[624]: <info> [1645610435.7408] dhcp4 (enp0s3): state changed unknown -> bound

Quieres ver los dispositivos de red? (Y/N): y
```

```
Quieres ver los dispositivos de red? (Y/N): y
? (192.168.0.1) at d0:57:94:78:d2:24 [ether] on enp0s3
```

Con la opción 5.1, nos dirá información sobre que es DHCP

```
Dime que opcion quieres: 5.1
[=====]
El protocolo de configuraci3n dinámico de host es un protocolo de red de tipo cliente/servidor
mediante el cual un servidor DHCP asigna dinamicamente una direcci3n IP y otros parámetros de configuraci3n de red a cada dispositivo en una red para que puedan
comunicarse con otras redes IP
[=====]
```

Con la sexta opci3n, podremos observar los paquetes instalados en el sistema

```
Dime que opcion quieres: 6
[=====]
[==== Se van a mostrar los paquetes =====]
[=====]

Desired=Unknown/Install/Remove/Purge/Hold
| Status=Not/Inst/Conf-files/Unpacked/half-conf/Half-Inst/trig-await/Trig-pend
|/ Err?=(none)/Reinst-required (Status,Err: uppercase=bad)
+++= Name Version Architecture Description
-----
ii accountservice 0.6.55-0ubuntu12-20.04.5 amd64 query and manipulate user account information
ii acl 2.2.53-6 amd64 access control list - utilities
ii acpi-support 0.143 amd64 scripts for handling many ACPI events
ii acpid 1:2.0.32-1ubuntu1 amd64 Advanced Configuration and Power Interface event daemon
ii adduser 3.118ubuntu2 all add and remove users and groups
ii adwaita-icon-theme 3.36.1-2ubuntu0-20.04.2 all default icon theme of GNOME (small subset)
ii alsa-base 1.0.25+dfsg-0ubuntu5 all ALSA driver configuration files
ii alsa-topology-conf 1.2.2-1 all ALSA topology configuration files
ii alsa-ucm-conf 1.2.2-1ubuntu0-11 all ALSA Use Case Manager configuration files
ii alsa-utils 1.2.2-1ubuntu2.1 amd64 Utilities for configuring and using ALSA
ii amd64-microcode 3.20191218-1ubuntu1 amd64 Processor microcode firmware for AMD CPUs
ii anacron 2.3-29 amd64 cron-like program that doesn't go by time
ii ansible 2.9.6+dfsg-1 all Configuration management, deployment, and task execution system
ii apache2 2.4.41-4ubuntu3.9 amd64 Apache HTTP Server
ii apache2-bin 2.4.41-4ubuntu3.9 amd64 Apache HTTP Server (modules and other binary files)
ii apache2-data 2.4.41-4ubuntu3.9 all Apache HTTP Server (common files)
ii apache2-utils 2.4.41-4ubuntu3.9 amd64 Apache HTTP Server (utility programs for web servers)
ii app 2.2.3-1dfsg-1-5 amd64 Automated Password Generator - Standalone version
ii app-install-data-partner 19.04 all Application Installer (data files for partner applications/repositories)
ii apparmor 2.13.3-7ubuntu5.1 amd64 user-space parser utility for AppArmor
ii apport 2.20.11-0ubuntu27.21 all automatically generate crash reports for debugging
ii apport-gtk 2.20.11-0ubuntu27.21 all GTK+ frontend for the apport crash report system
ii apport-symptoms 0.23 all symptom scripts for apport
ii appstream 0.12.10-2 amd64 Software component metadata management
ii apt 2.0.6 amd64 commandline package manager
ii apt-config-icons 0.12.10-2 all APT configuration snippet to enable icon downloads
ii apt-config-icons-hidpi 0.12.10-2 all APT configuration snippet to enable HiDPI icon downloads
ii apt-transport-https 2.0.6 all transitional package for https support
ii apt-utils 2.0.6 amd64 package management related utility programs
ii aptdaemon 1.1.1+bzr982-0ubuntu32.3 all transaction based package management service
ii aptdaemon-data 1.1.1+bzr982-0ubuntu32.3 all data files for clients
ii apturl 0.5.2ubuntu19 amd64 install packages using the apt protocol - GTK+ frontend
ii apturl-common 0.5.2ubuntu19 amd64 install packages using the apt protocol - common data
ii aspell 0.60.8-1ubuntu0-1 amd64 GNU Aspell spell-checker
ii aspell-en 2018.04.16-0-1 all English dictionary for GNU Aspell
ii at-spi2-core 2.36.0-2 amd64 Assistive Technology Service Provider Interface (dbus core)
ii avahi-autoipd 0.7-4ubuntu7.1 amd64 Avahi IPv4LL network address configuration daemon
ii avahi-daemon 0.7-4ubuntu7.1 amd64 Avahi mDNS/DNS-SD daemon
ii avahi-utils 0.7-4ubuntu7.1 amd64 Avahi browsing, publishing and discovery utilities
ii base-files 11ubuntu5.5 amd64 Debian base system miscellaneous files
```

Con la séptima opción, podremos comprobar si un paquete está instalado y en caso de que no, lo podremos instalar. Si ese paquete no es encontrado, dpkg nos dará error.

```
[-----]
Dime que opcion quieres: 7

Que paquete quieres comprobar?: acl

[=====]
[===== Comprobacion =====]
[=====]

[=====]
[===== Tu paquete esta instalado =====]
[=====]
```

```
[-----]
Dime que opcion quieres: 7

Que paquete quieres comprobar?: asd

[=====]
[===== Comprobacion =====]
[=====]

dpkg-query: no packages found matching asd
Quieres instalarlo? (Y/N): y
[=====]
[===== Se va a instalar asd =====]
[=====]
Reading package lists... Done
Building dependency tree
Reading state information... Done
E: Unable to locate package asd
```

Con la octava opción, saldremos del script

```
[-----]
Dime que opcion quieres: 8

[=====]
[===== Fin del script =====]
[=====]
```

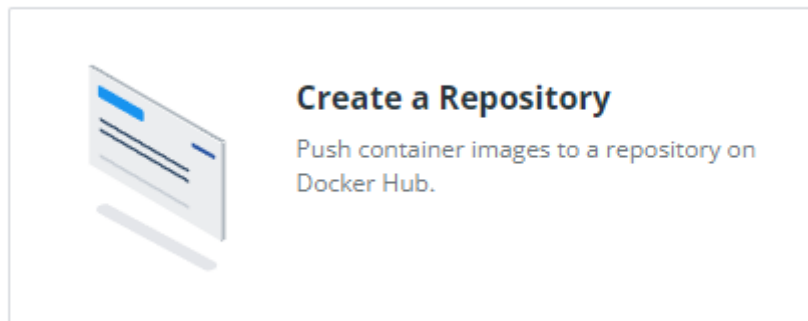
Subir archivos

Subir Docker

Agregaremos un comentario a nuestra imagen sobre nuestro usuario

```
carola@carola-VirtualBox:~/docker$ docker commit -m "ubuntu con cosas" -a "shayinn" 93b96a1c6f37 "ubuntu_final"
sha256:ec80d2381e899364931e3773fdbbf55b01a0eac73a0ce2560e69ee558f73ee55
```

```
carola@carola-VirtualBox:~/docker$ docker images
REPOSITORY          TAG         IMAGE ID      CREATED        SIZE
ubuntu_final        latest      ec80d2381e89  27 seconds ago 287MB
ubuntu_apache2_dhcp_scripts latest      f8095b015a12  20 minutes ago 287MB
ubuntu              latest      54c9d81cbb44  2 weeks ago   72.8MB
hello-world         latest      feb5d9fea6a5  4 months ago  13.3kB
carola@carola-VirtualBox:~/docker$
```



Create Repository



(no puedo crearlo ya que no me carga)

Generaremos un PAT (Personal Access Token)

New Access Token

A personal access token is similar to a password except you can have many tokens and revoke access to each one at any time. [Learn more](#)

Access Token Description *

token_apache_dhcp

Access permissions

Read, Write, Delete

Read, Write, Delete tokens allow you to manage your repositories.

Iniciaremos sesión en Docker con nuestro nombre de usuario y nuestra contraseña

```
carola@carola-VirtualBox:~/ansible-dhcp$ docker login -u shayinn
Password:
WARNING! Your password will be stored unencrypted in /home/carola/.docker/config.json.
Configure a credential helper to remove this warning. See
https://docs.docker.com/engine/reference/commandline/login/#credentials-store

Login Succeeded
```

Crearemos una imagen con nuestro nombre de usuario

```
carola@carola-VirtualBox:~/docker$ docker tag ubuntu_final:latest shayinn/ubuntu_final
carola@carola-VirtualBox:~/docker$ docker images
REPOSITORY          TAG         IMAGE ID      CREATED        SIZE
shayinn/ubuntu_final latest      ec80d2381e89  2 minutes ago  287MB
ubuntu_final        latest      ec80d2381e89  2 minutes ago  287MB
```

Subiremos la imagen

```
carola@carola-VirtualBox:~/docker$ docker push shayinn/ubuntu_final
Using default tag: latest
The push refers to repository [docker.io/shayinn/ubuntu_final]
51bb2a302593: Pushed
36ffdceb4c77: Mounted from shayinn/ubuntu_apache2_dhcp_scripts
latest: digest: sha256:28bc86441d9e3597d9da0fcb018297fd1d8d324a7538e2632b2be1d4735a1cd6 size: 74
1
```

Buscamos las imágenes de nuestro usuario

```
carola@carola-VirtualBox:~/docker$ docker search shayinn
NAME                DESCRIPTION      STARS     OFFICIAL   AUTOMATED
carola@carola-VirtualBox:~/docker$
```

Debería de salirnos nuestro repositorio, pero parece ser que no es posible, al no haber creado el repositorio previamente ya que no he podido

Subir Ansible y script final a GitHub

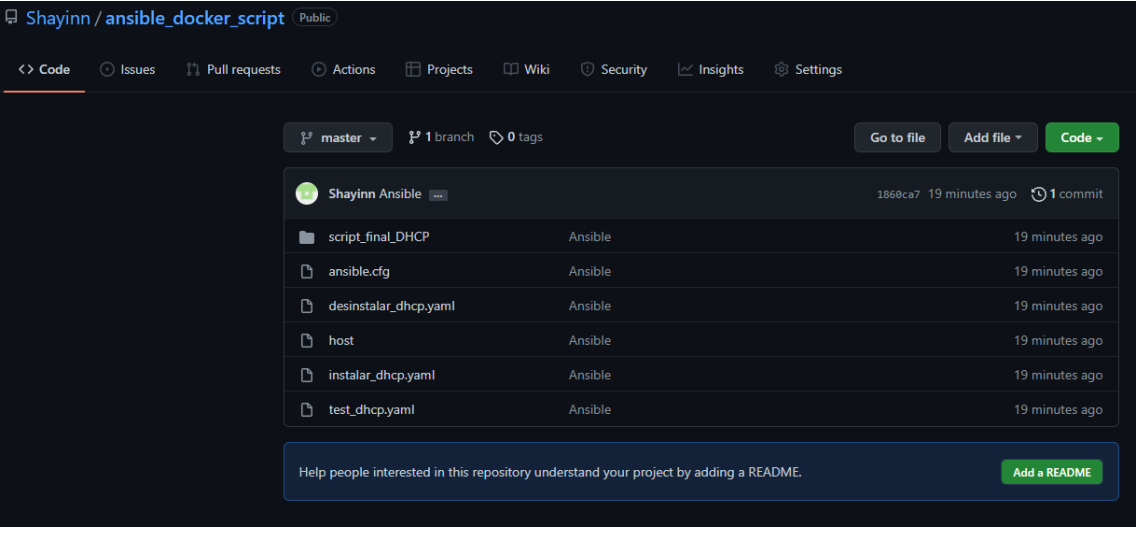
Lo primero de todo será agregar todo el directorio (.)

Posteriormente, agregaremos un comentario, en mi caso "Ansible"

```
carola@carola-VirtualBox:~/ansible-dhcp$ git add .
carola@carola-VirtualBox:~/ansible-dhcp$ git commit -m "Ansible"
[master (root-commit) 4685450] Ansible
 7 files changed, 316 insertions(+)
 create mode 100644 ansible.cfg
 create mode 100644 desinstalar_dhcp.yaml
 create mode 100644 host
 create mode 100644 instalar_dhcp.yaml
 create mode 100644 script_final_DHCP/git.txt
 create mode 100644 script_final_DHCP/script.sh
 create mode 100644 test_dhcp.yaml
```

Agregaremos de manera remota el repositorio y lo subiremos a la rama principal

```
carola@carola-VirtualBox:~/ansible-dhcp$ git remote add origin https://github.com/Shayinn/ansible_docker_script.git
carola@carola-VirtualBox:~/ansible-dhcp$ git push --set-upstream origin master
Username for 'https://github.com': Shayinn
Password for 'https://Shayinn@github.com':
Enumerating objects: 10, done.
Counting objects: 100% (10/10), done.
Compressing objects: 100% (10/10), done.
Writing objects: 100% (10/10), 2.72 KiB | 2.72 MiB/s, done.
Total 10 (delta 1), reused 0 (delta 0)
remote: Resolving deltas: 100% (1/1), done.
To https://github.com/Shayinn/ansible_docker_script.git
 * [new branch]      master -> master
Branch 'master' set up to track remote branch 'master' from 'origin'.
```



Shayinn / ansible_docker_script (Public)

<> Code Issues Pull requests Actions Projects Wiki Security Insights Settings

master 1 branch 0 tags

Go to file Add file Code

Shayinn Ansible 1868ca7 19 minutes ago 1 commit

File	Commit	Time
script_final_DHCP	Ansible	19 minutes ago
ansible.cfg	Ansible	19 minutes ago
desinstalar_dhcp.yaml	Ansible	19 minutes ago
host	Ansible	19 minutes ago
instalar_dhcp.yaml	Ansible	19 minutes ago
test_dhcp.yaml	Ansible	19 minutes ago

Help people interested in this repository understand your project by adding a README. Add a README

Subir Docker a GitHub

Lo primero de todo es realizar un PAT (Personal Access Token) y lo guardaremos en un fichero, en mi caso PAT.txt

Con el siguiente comando, haremos que nuestro PAT de GitHub, sea “recogido” y directamente autenticado nuestro usuario al haberle puesto el cat PAT.txt

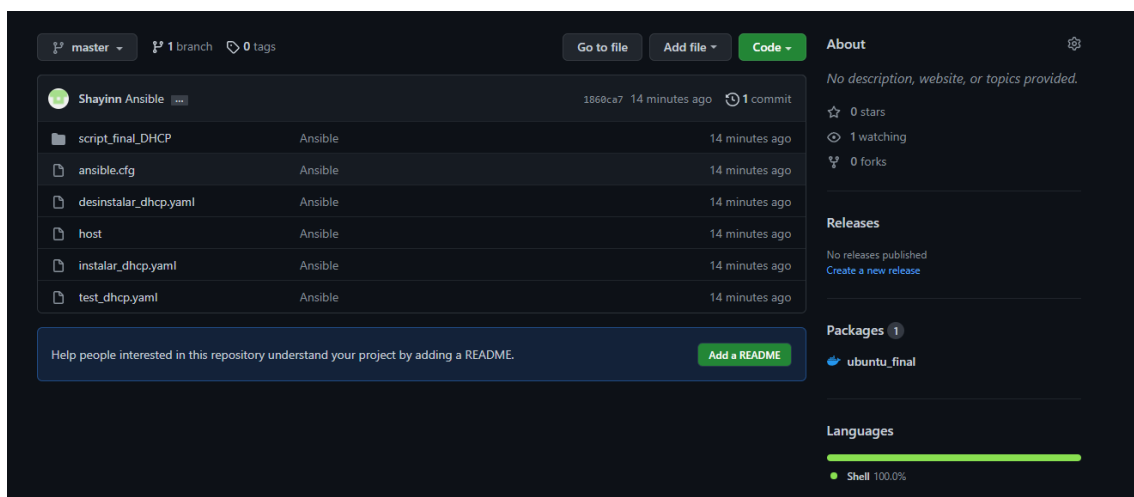
```
carola@carola-VirtualBox:~$ cat PAT.txt | docker login https://docker.pkg.github.com -u shayinn --password-stdin
WARNING! Your password will be stored unencrypted in /home/carola/.docker/config.json.
Configure a credential helper to remove this warning. See
https://docs.docker.com/engine/reference/commandline/login/#credentials-store

Login Succeeded
```

```
carola@carola-VirtualBox:~$ docker tag ubuntu_final docker.pkg.github.com/shayinn/ansible_docker_script/ubuntu_final:v1
```

Subimos el paquete de Docker a nuestro GitHub finalmente agregando la version

```
carola@carola-VirtualBox:~$ docker push docker.pkg.github.com/shayinn/ansible_docker_script/ubuntu_final:v1
The push refers to repository [docker.pkg.github.com/shayinn/ansible_docker_script/ubuntu_final]
51bb2a302593: Pushed
36ffdc4c77: Pushed
v1: digest: sha256:b8ce2d7096d074c45149123a3b26f3d5b9c298dbed2cb4151893bbefe20c0eb0 size: 741
```



The screenshot shows the GitHub repository page for 'Shayinn Ansible'. The repository is located at 'docker.pkg.github.com/shayinn/ansible_docker_script/ubuntu_final'. It shows a list of files: 'script_final_DHCP', 'ansible.cfg', 'desinstalar_dhcp.yaml', 'host', 'instalar_dhcp.yaml', and 'test_dhcp.yaml'. The repository has 1 commit, 0 stars, 1 watching, and 0 forks. There are no releases published. The repository is tagged with 'ubuntu_final' and the language is 'Shell' (100.0%).

Link a mi GitHub: <https://github.com/Shayinn>