

Práctica 1

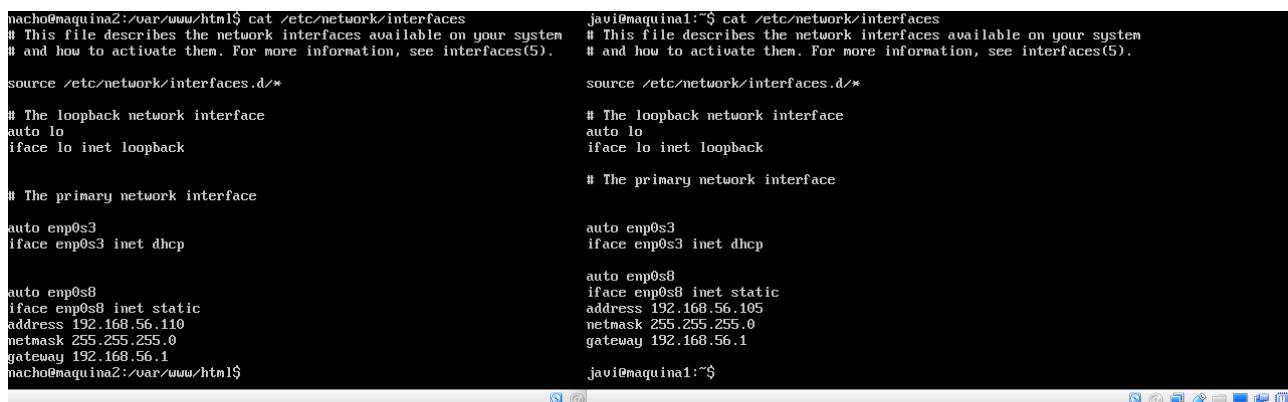
Realizado por: Javier Garrido Montes

Para la realización de esta práctica, he creado dos máquinas virtuales de ubuntu server en VirtualBox siguiendo el guión con las indicaciones del profesor.

La primera máquina se llama maquina1, el usuario creado es javi y su dirección IP: 192.168.56.105.

La segunda se llama maquina2, el usuario es nacho y su dirección IP: 192.168.56.110.

La interfaz de red que he usado para ambas máquinas son las siguientes:



```
nacho@maquina2:/var/www/html$ cat /etc/network/interfaces
# This file describes the network interfaces available on your system
# and how to activate them. For more information, see interfaces(5).
source /etc/network/interfaces.d/*
# The loopback network interface
auto lo
iface lo inet loopback

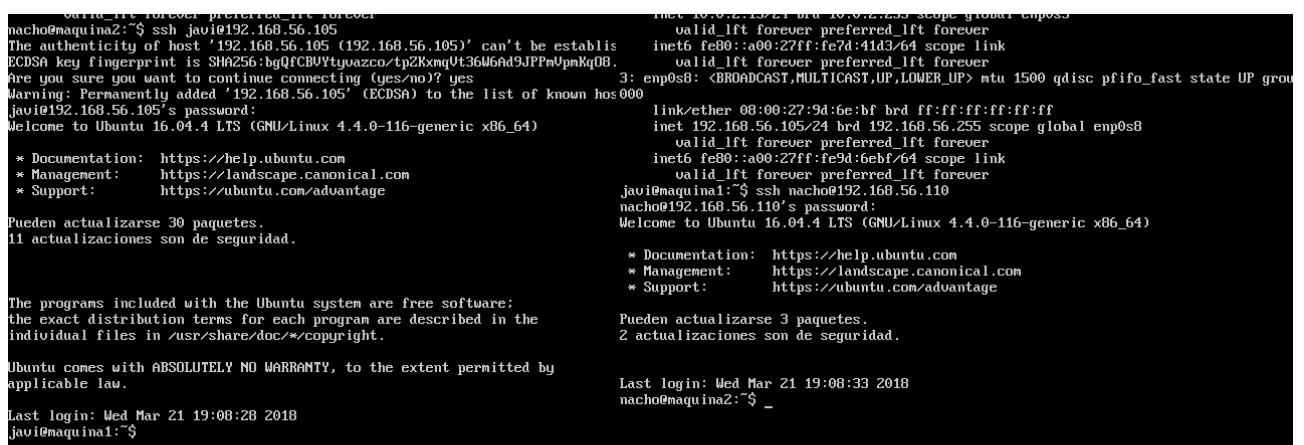
# The primary network interface
auto enp0s3
iface enp0s3 inet dhcp

auto enp0s8
iface enp0s8 inet static
address 192.168.56.110
netmask 255.255.255.0
gateway 192.168.56.1
nacho@maquina2:/var/www/html$ javi@maquina1:~$ cat /etc/network/interfaces
# This file describes the network interfaces available on your system
# and how to activate them. For more information, see interfaces(5).
source /etc/network/interfaces.d/*
# The loopback network interface
auto lo
iface lo inet loopback

# The primary network interface
auto enp0s3
iface enp0s3 inet dhcp

auto enp0s8
iface enp0s8 inet static
address 192.168.56.105
netmask 255.255.255.0
gateway 192.168.56.1
javi@maquina1:~$
```

El primer objetivo de la práctica es que se conecten mediante ssh entre ellas y con el host.



```
nacho@maquina2:~$ ssh javi@192.168.56.105
The authenticity of host '192.168.56.105 (192.168.56.105)' can't be established.
ECDSA key fingerprint is SHA256:bgQFCBUYtyuwarzco/tplKxmgUt36W6Ad9JPPmUpmkq0B.
Are you sure you want to continue connecting (yes/no)? yes
Warning: Permanently added '192.168.56.105' (ECDSA) to the list of known hosts.
javi@192.168.56.105's password:
Welcome to Ubuntu 16.04.4 LTS (GNU/Linux 4.4.0-116-generic x86_64)

 * Documentation:  https://help.ubuntu.com
 * Management:    https://landscape.canonical.com
 * Support:       https://ubuntu.com/advantage

Pueden actualizarse 30 paquetes,
11 actualizaciones son de seguridad.

The programs included with the Ubuntu system are free software;
the exact distribution terms for each program are described in the
individual files in /usr/share/doc/*copyright.

Ubuntu comes with ABSOLUTELY NO WARRANTY, to the extent permitted by
applicable law.

Last login: Wed Mar 21 19:08:28 2018
nacho@maquina2:~$ javi@maquina1:~$ ssh nacho@192.168.56.110
nacho@192.168.56.110's password:
Welcome to Ubuntu 16.04.4 LTS (GNU/Linux 4.4.0-116-generic x86_64)

 * Documentation:  https://help.ubuntu.com
 * Management:    https://landscape.canonical.com
 * Support:       https://ubuntu.com/advantage

Pueden actualizarse 3 paquetes,
2 actualizaciones son de seguridad.

Last login: Wed Mar 21 19:08:33 2018
nacho@maquina2:~$ _
```

En la captura de arriba es la conexión ssh de ellas.

A continuación viene la conexión con el host.

```
javigarrido — javi@maquina1: ~ — ssh javi@192.168.56.105 — 80x24
Last login: Wed Mar 21 13:08:08 on console
cv1093098:~ javigarrido$ ssh javi@192.168.56.105
The authenticity of host '192.168.56.105 (192.168.56.105)' can't be established.
ECDSA key fingerprint is SHA256:bj0gFCBVYiyvazco/tP2KxmQVt36W6Ad93JPMvpmkq08.
Are you sure you want to continue connecting (yes/no)? yes
Warning: Permanently added '192.168.56.105' (ECDSA) to the list of known hosts.
javi@192.168.56.105's password:
Welcome to Ubuntu 16.04.4 LTS (GNU/Linux 4.4.0-116-generic x86_64)

 * Documentation: https://help.ubuntu.com
 * Management: https://landscape.canonical.com
 * Support: https://ubuntu.com/advantage

Pueden actualizarse 30 paquetes,
11 actualizaciones son de seguridad.

Last login: Thu Mar 22 17:14:32 2018
javi@maquina1:~$
```

```
javigarrido — nacho@maquina2: ~ — ssh nacho@192.168.56.110 — 80x24
Last login: Thu Mar 22 17:14:32 2018
[javi@maquina1:~$ exit
logout
Connection to 192.168.56.105 closed.
cv1093098:~ javigarrido$ ssh nacho@192.168.56.110
The authenticity of host '192.168.56.110 (192.168.56.110)' can't be established.
ECDSA key fingerprint is SHA256:gd21r02VR3wR8CuhU7cNAn56hcWT1zWj4uxD8KNS3UU.
Are you sure you want to continue connecting (yes/no)? yes
Warning: Permanently added '192.168.56.110' (ECDSA) to the list of known hosts.
nacho@192.168.56.110's password:
Welcome to Ubuntu 16.04.4 LTS (GNU/Linux 4.4.0-116-generic x86_64)

 * Documentation: https://help.ubuntu.com
 * Management: https://landscape.canonical.com
 * Support: https://ubuntu.com/advantage

Pueden actualizarse 24 paquetes,
11 actualizaciones son de seguridad.

Last login: Thu Mar 22 17:14:56 2018 from 192.168.56.105
nacho@maquina2:~$
```

Como segundo objetivo de la práctica es la creación de una página web en cada uno de los servidores y que estas sean vistas por el host y por ambos servidores.

```
"hola.html" [Nuevo] ?L, 49C escritos
root@maquina2:~/var/www/html# ls
hola.html index.html
root@maquina2:~/var/www/html# exit
exit
nacho@maquina2:~/var/www/html$ curl http://192.168.56.105/hola.html
<HTML>
<BODY>
```

```
Last login: Thu Mar 22 17:10:49 2018
nacho@maquina2:~$ exit
logout
Connection to 192.168.56.110 closed.
javi@maquina1:~$ curl http://192.168.56.110/hola.html
<HTML>
<BODY>
ESTO FUNCIONA :)
```

```
Welcome to Ubuntu 16.04.4 LTS (GNU/Linux 4.4.0-116-generic x86_64)

 * Documentation: https://help.ubuntu.com
 * Management: https://landscape.canonical.com
 * Support: https://ubuntu.com/advantage

Pueden actualizarse 24 paquetes,
11 actualizaciones son de seguridad.

Last login: Thu Mar 22 17:14:56 2018 from 192.168.56.105
nacho@maquina2:~$ exit
logout
Connection to 192.168.56.110 closed.
cv1093098:~ javigarrido$ curl
curl: try 'curl --help' or 'curl --manual' for more information
cv1093098:~ javigarrido$ curl http://192.168.56.105/hola.html
<HTML>
<BODY>

ESTO FUNCIONA .)
</BODY>
</HTML>
cv1093098:~ javigarrido$
```

```
Last login: Thu Mar 22 17:14:56 2018 from 192.168.56.105
[nacho@maquina2:~$ exit
logout
Connection to 192.168.56.110 closed.
[cv1093098:~ javigarrido$ curl
curl: try 'curl --help' or 'curl --manual' for more information
[cv1093098:~ javigarrido$ curl http://192.168.56.105/hola.html
<HTML>
<BODY>
ESTO FUNCIONA .)
</BODY>
</HTML>
cv1093098:~ javigarrido$
```

La primera captura es entre las máquinas y las dos últimas del host.