

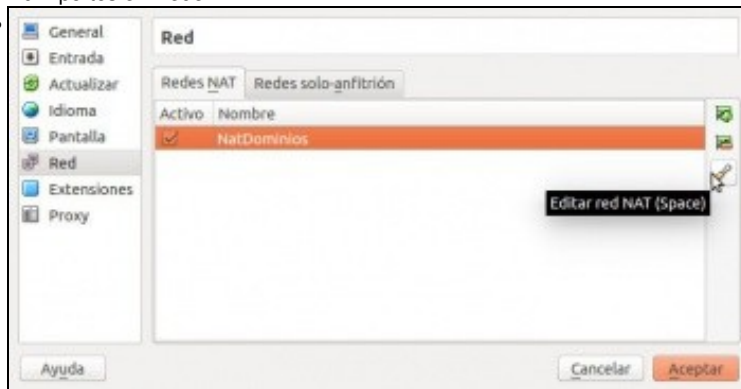
# Administración remota de uclient01

## Introducción

- Ao igual que se fixo en *dserver00* vaise redirixir un porto en VirtualBox de modo que dende o exterior poidamos conectarnos a *uclient01*.
- Tamén se vai poder administrar *dserver00* dende *uclient01* usando ssh.

## Conexión ssh dende o host ao cliente uclient01

- Con **ssh** poderase facer o mesmo que dende a consola do servidor pero remotamente.
- Abrir portos en Rede NAT



Editar a **Rede NAT NatDominios**



Premer en **Reenvío de puertos**.



Engadir unha nova regra.

Indicar o porto ao cal nos conectaremos dende o exterior (20022, neste caso. Pode ser calquera por enriba de 1024) e indicar a que MV e porto vai ser redirixido (ao porto 22 de uclient01, neste caso).

```
ladmin@base: ~
ladmin@base:~$ VBoxManage list natnetworks
NetworkName:    NatDominios
IP:             172.16.5.1
Network:        172.16.5.0/24
IPv6 Enabled:   No
IPv6 Prefix:
DHCP Enabled:   No
Enabled:        Yes
Port-forwarding (ipv4)
    Rule 1:tcp:[]:10022:[172.16.5.10]:22
    Rule 2:tcp:[]:20022:[172.16.5.20]:22
loopback mappings (ipv4)
    127.0.0.1=2

ladmin@base:~$
```

No host podemos ver as regras definidas coa instrución **VboxManage list natnetworks**.

```
ladmin@base: ~
ladmin@base:~$ ssh uadmin@192.168.1.135 -p 20022
The authenticity of host '[192.168.1.135]:20022 ([192.168.1.135]:20022)' can't be established.
ECDSA key fingerprint is 62:06:ce:d2:a5:30:5f:f0:78:7d:8b:db:2f:c4:72:a0.
Are you sure you want to continue connecting (yes/no)?
```

E dende o host real podemos atacar ese porto con **ssh usuario@IP do host -p porto externo**.

Pídenos aceptar a chave do servidor ssh uclient01. Aceptamos con **yes**.

```
ladmin@base: ~
ladmin@base:~$ ssh uadmin@192.168.1.135 -p 20022
The authenticity of host '[192.168.1.135]:20022 ([192.168.1.135]:20022)' can't be established.
ECDSA key fingerprint is 62:06:ce:d2:a5:30:5f:f0:78:7d:8b:db:2f:c4:72:a0.
Are you sure you want to continue connecting (yes/no)? yes
Warning: Permanently added '[192.168.1.135]:20022' (ECDSA) to the list of known hosts.
uadmin@192.168.1.135's password:
```

Introducimos o contrasinal de **uadmin** de **uclient01**.

```
uadmin@uclient01: ~
uadmin@192.168.1.135's password:
Welcome to Ubuntu 14.04 LTS (GNU/Linux 3.13.0-24-generic x86_64)

 * Documentation:  https://help.ubuntu.com/

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.

uadmin@uclient01:~$
```

E xa estamos dentro de **uclient01**.

- Se o host é Windows pódese realizar o mesmo con **putty**. Putty pódese instalar tamén en Linux.

-- Antonio de Andrés Lema e Carlos Carrión Álvarez --