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Ejercicio 1

a) Instalación y administración de un servidor DHCPv4 en Windows 10

Solución:

Escenario

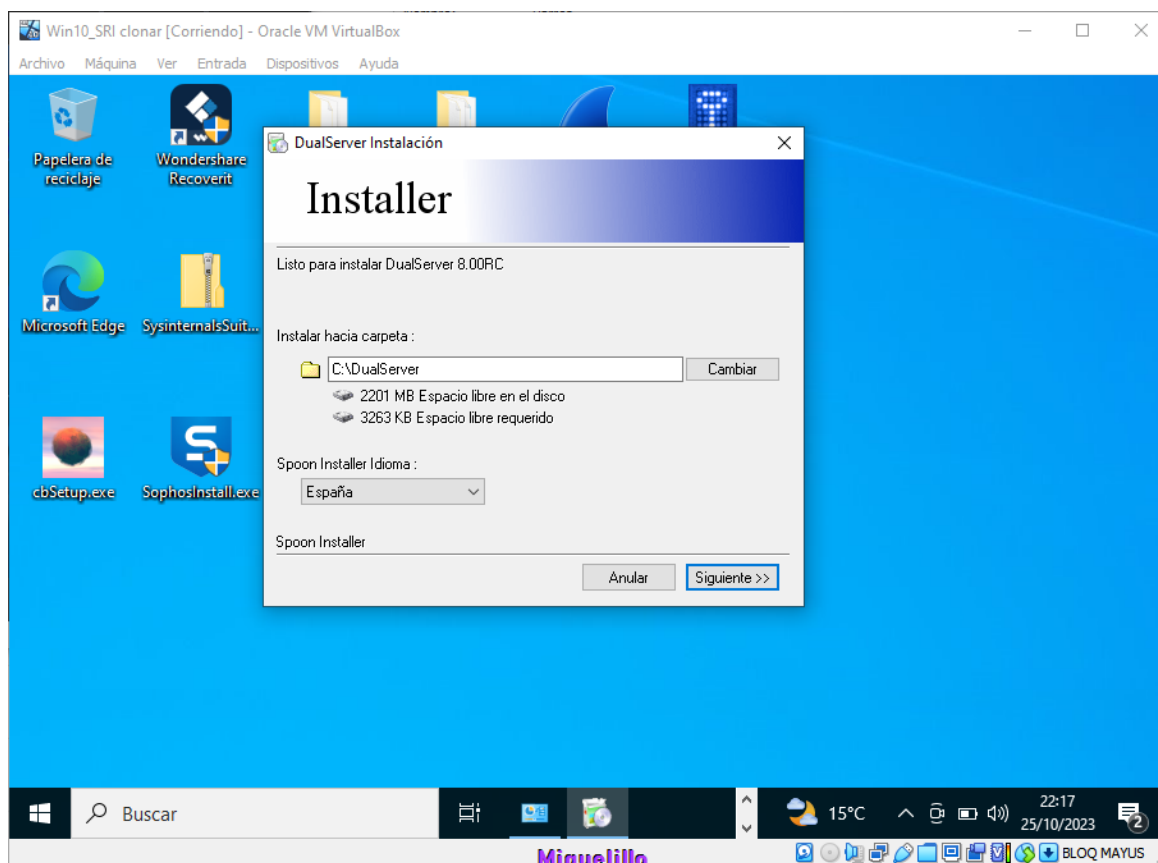
Win10_SRIclonar-1

Parrot-1

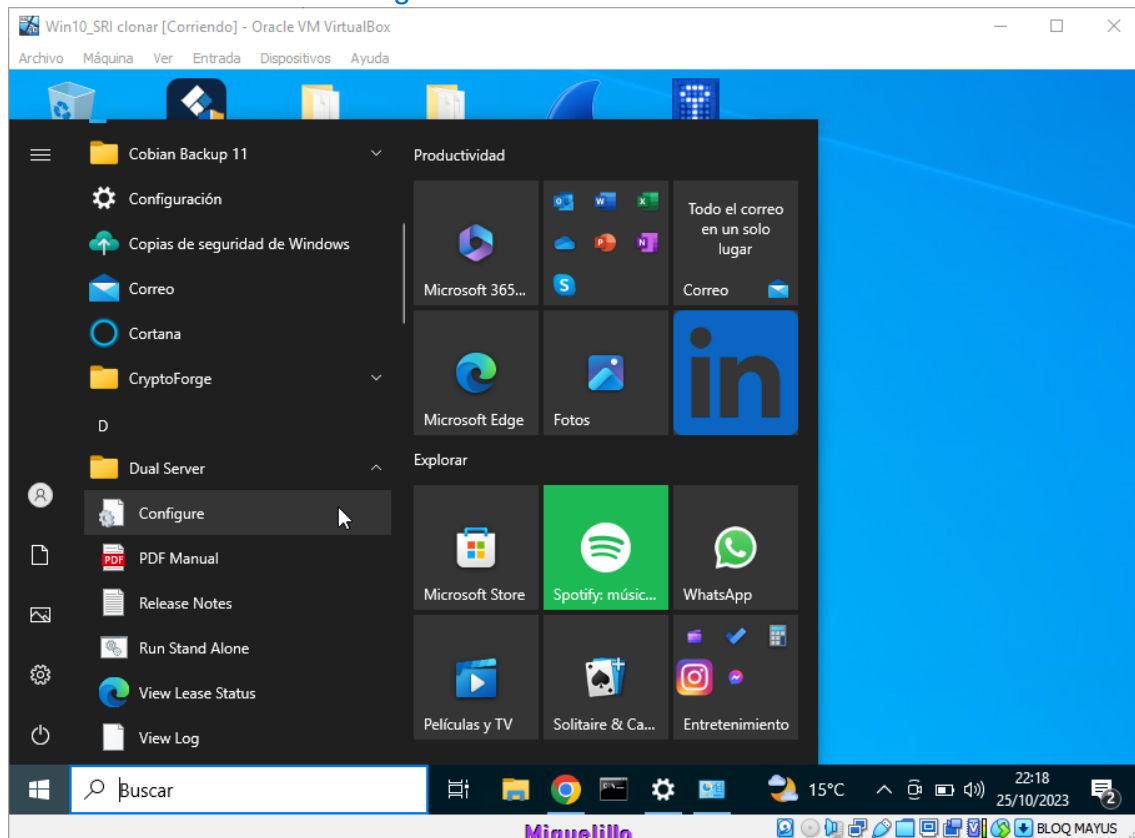


Miguelillo

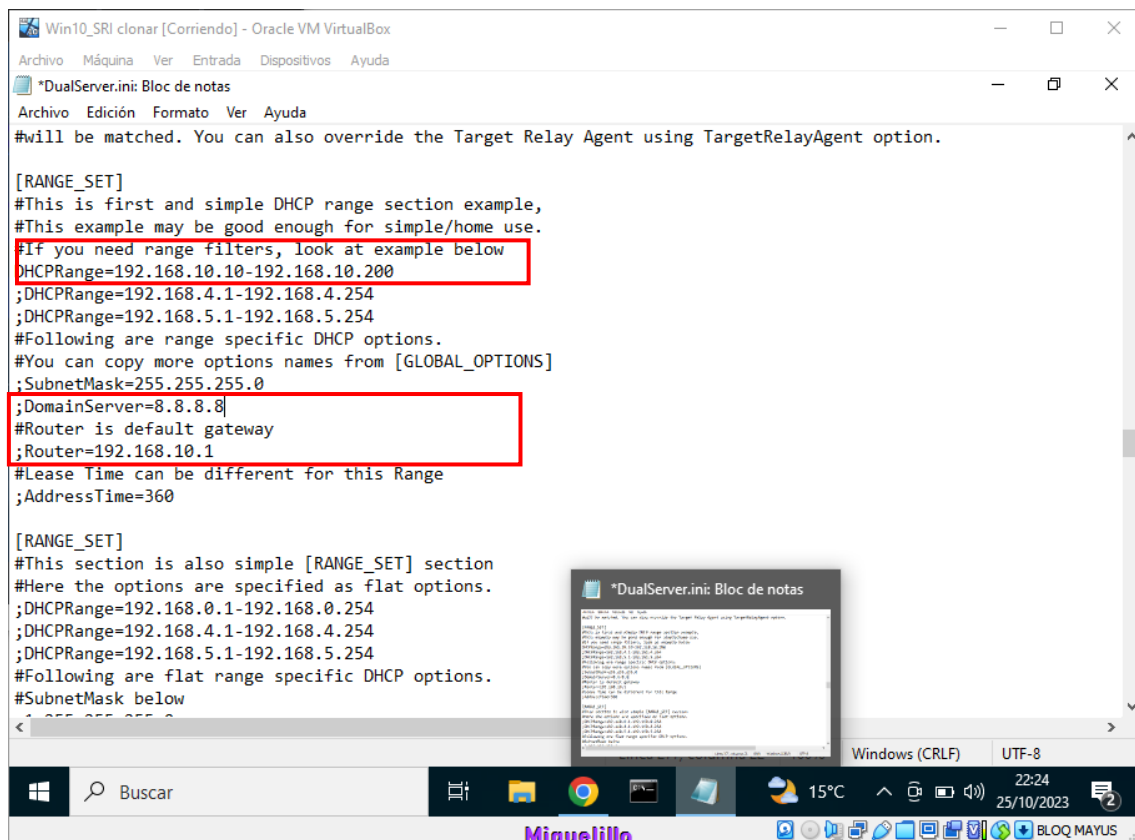
Ejecutamos el instalador



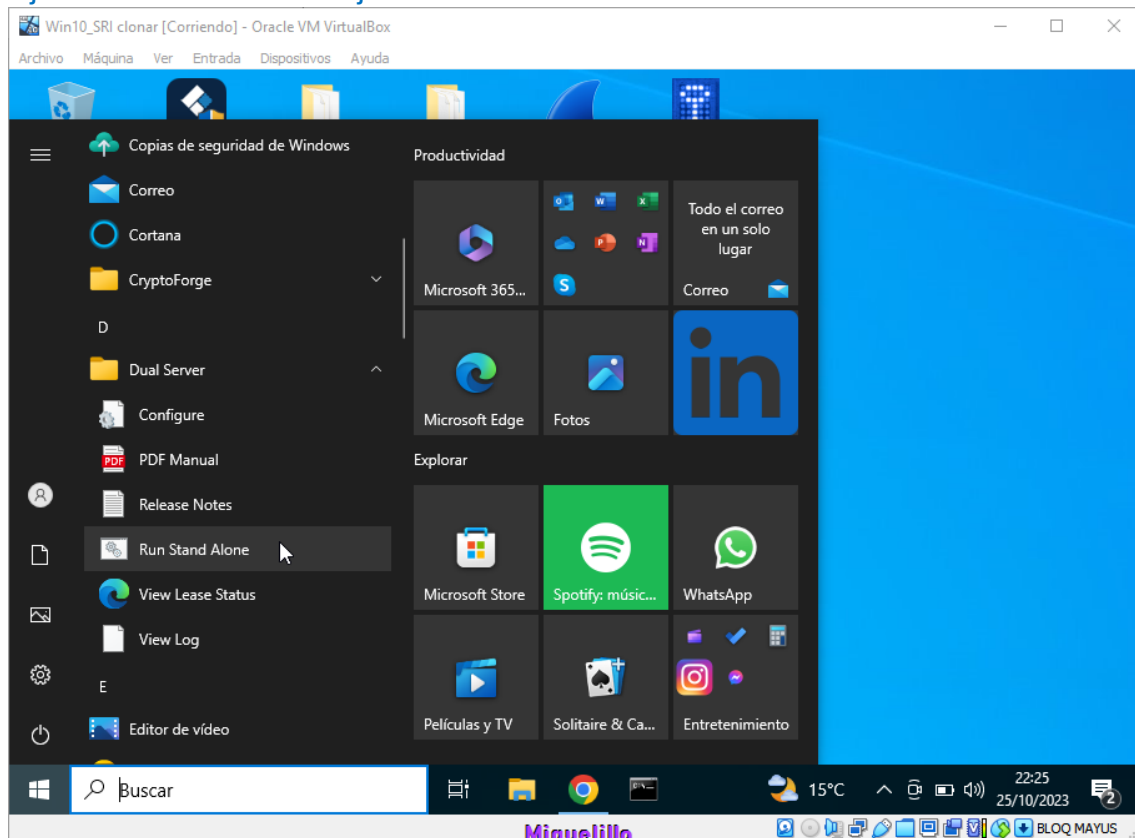
Abrimos el archivo de configuración



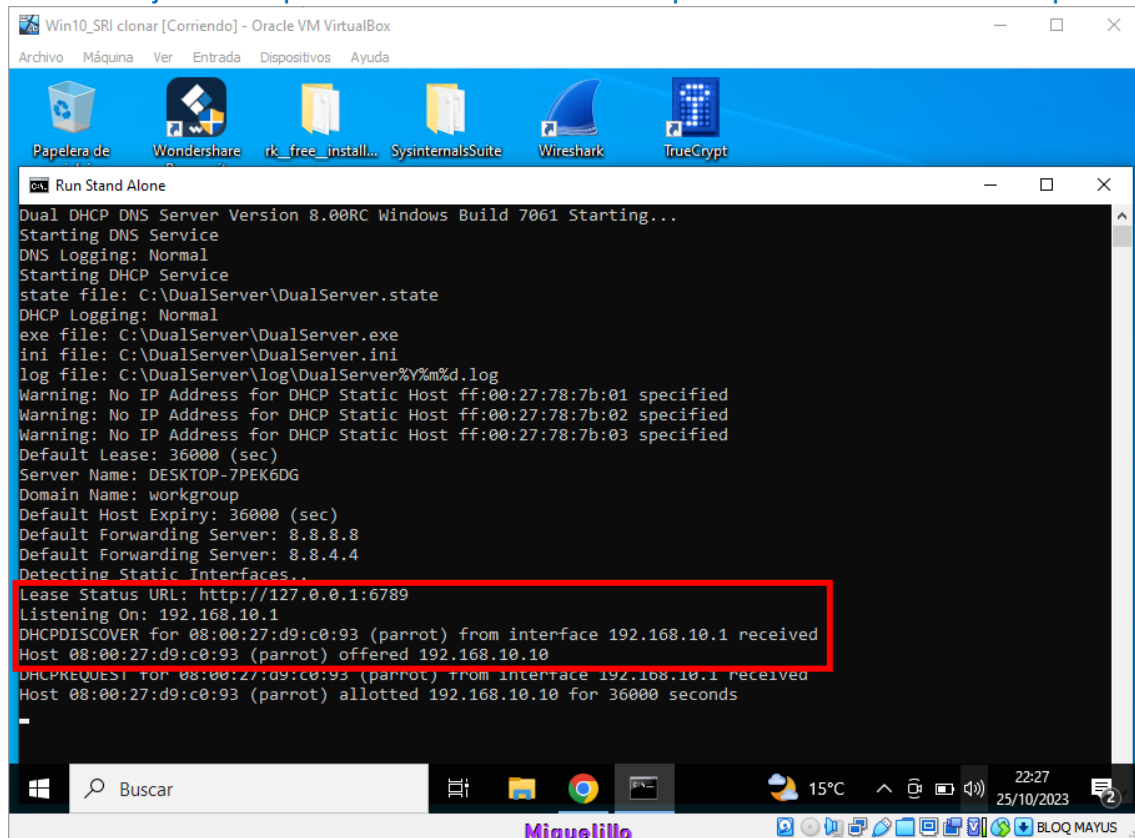
En el archivo de configuración cambiamos la ip del rango del dns y del gateway



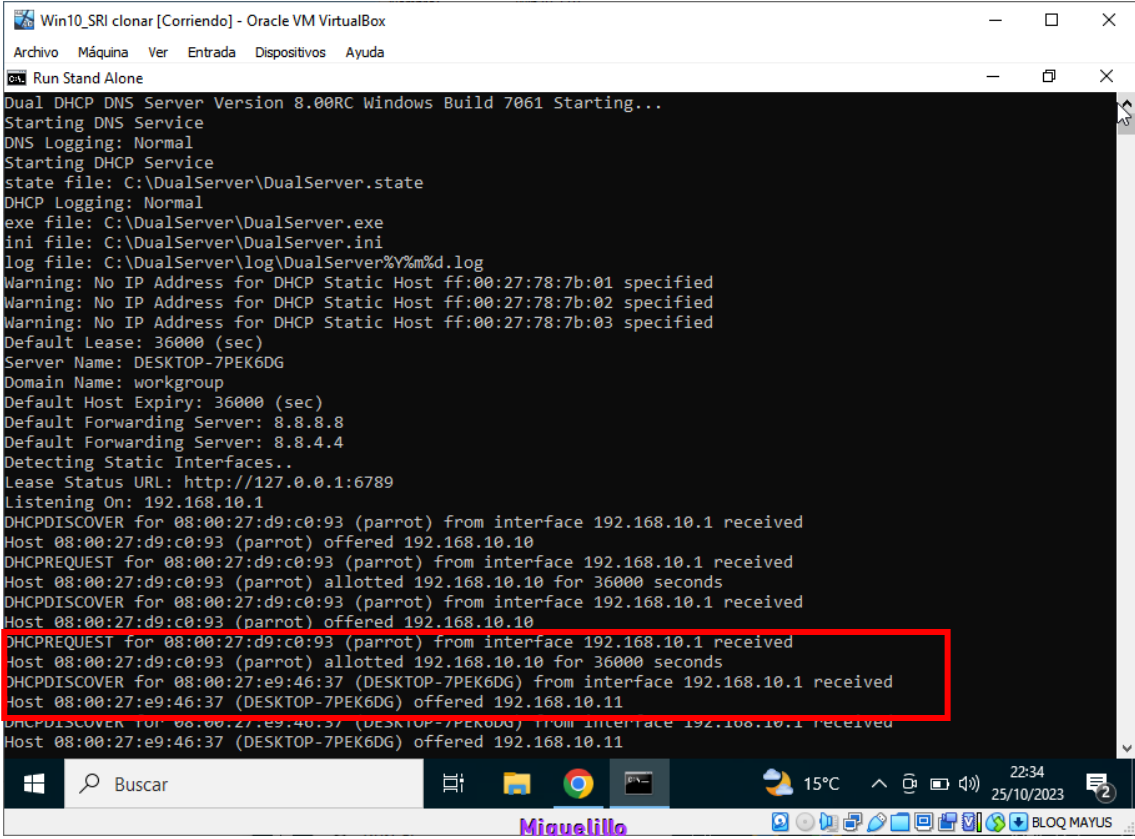
Ejecutamos el servicio Ejecutando Run Stand Alone



Una vez ejecutado podemos ver las cesiones que realiza en este caso al parrot



En este caso a Windows donde está señalado



```
Win10_SRI clonar [Corriendo] - Oracle VM VirtualBox
Archivo  Máquina  Ver  Entrada  Dispositivos  Ayuda
Run Stand Alone
Dual DHCP DNS Server Version 8.00RC Windows Build 7061 Starting...
Starting DNS Service
DNS Logging: Normal
Starting DHCP Service
state file: C:\DualServer\DualServer.state
DHCP Logging: Normal
exe file: C:\DualServer\DualServer.exe
ini file: C:\DualServer\DualServer.ini
log file: C:\DualServer\log\DualServer%Y%m%d.log
Warning: No IP Address for DHCP Static Host ff:00:27:78:7b:01 specified
Warning: No IP Address for DHCP Static Host ff:00:27:78:7b:02 specified
Warning: No IP Address for DHCP Static Host ff:00:27:78:7b:03 specified
Default Lease: 36000 (sec)
Server Name: DESKTOP-7PEK6DG
Domain Name: workgroup
Default Host Expiry: 36000 (sec)
Default Forwarding Server: 8.8.8.8
Default Forwarding Server: 8.8.4.4
Detecting Static Interfaces..
Lease Status URL: http://127.0.0.1:6789
Listening On: 192.168.10.1
DHCPDISCOVER for 08:00:27:d9:c0:93 (parrot) from interface 192.168.10.1 received
Host 08:00:27:d9:c0:93 (parrot) offered 192.168.10.10
DHCPREQUEST for 08:00:27:d9:c0:93 (parrot) from interface 192.168.10.1 received
Host 08:00:27:d9:c0:93 (parrot) allotted 192.168.10.10 for 36000 seconds
DHCPDISCOVER for 08:00:27:d9:c0:93 (parrot) from interface 192.168.10.1 received
Host 08:00:27:d9:c0:93 (parrot) offered 192.168.10.10
DHCPREQUEST for 08:00:27:d9:c0:93 (parrot) from interface 192.168.10.1 received
Host 08:00:27:d9:c0:93 (parrot) allotted 192.168.10.10 for 36000 seconds
DHCPDISCOVER for 08:00:27:e9:46:37 (DESKTOP-7PEK6DG) from interface 192.168.10.1 received
Host 08:00:27:e9:46:37 (DESKTOP-7PEK6DG) offered 192.168.10.11
DHCPDISCOVER for 08:00:27:e9:46:37 (DESKTOP-7PEK6DG) from interface 192.168.10.1 received
Host 08:00:27:e9:46:37 (DESKTOP-7PEK6DG) offered 192.168.10.11
```

b) Configurar un cliente Windows y Linux.

Solución:

Cliente Linux

```

Parrot [Corriendo] - Oracle VM VirtualBox
Archivo  Máquina  Ver  Entrada  Dispositivos  Ayuda
Wed Oct 25, 22:27
Parrot Terminal
File Edit View Search Terminal Help

link/loopback 00:00:00:00:00:00 brd 00:00:00:00:00:00
inet 127.0.0.1/8 scope host lo
    valid_lft forever preferred_lft forever
inet6 ::1/128 scope host
    valid_lft forever preferred_lft forever
2: enp0s3: <BROADCAST,MULTICAST,UP,LOWER_UP> mtu 1500 qdisc fq
_codel state UP group default qlen 1000
    link/ether 08:00:27:d9:c0:93 brd ff:ff:ff:ff:ff:ff
    inet 192.168.10.10/24 brd 192.168.10.255 scope global dyna
mic noprefixroute enp0s3
        valid_lft 35991sec preferred_lft 35991sec
    inet6 fe80::3d06:c158:e1ef:de75/64 scope link noprefixrout
e
        valid_lft forever preferred_lft forever
[miguel@parrot]~$
Click to start dragging "Parrot Terminal"
Menu  Parrot Terminal  Network Connecti...  123
MiguelLillo

```

Cliente Windows

```

Win10_SRI [Corriendo] - Oracle VM VirtualBox
Archivo  Máquina  Ver  Entrada  Dispositivos  Ayuda
Símbolo del sistema
Microsoft Windows [Versión 10.0.19045.3570]
(c) Microsoft Corporation. Todos los derechos reservados.

C:\Users\Usuario>ipconfig /release

Configuración IP de Windows

Error al liberar la interfaz Ethernet : El parámetro no es correcto.

C:\Users\Usuario>ipconfig /renew

Configuración IP de Windows

Adaptador de Ethernet Ethernet:

    Sufijo DNS específico para la conexión. . . : workgroup
    Vínculo: dirección IPv6 local. . . : fe80::559b:e2eb:b56e:d66f%3
    Dirección IPv4. . . . . : 192.168.10.11
    Máscara de subred. . . . . : 255.255.255.0
    Puerta de enlace predeterminada. . . . . :

C:\Users\Usuario>

```