

# Memoria diaria SRI

04/11/2025

Instalación del paquete ISC DHCP SERVER

Configuración de carpetas para logs.

```
GNU nano 7.2 dhcpd.conf

if ($programname == 'dhcpd') then /var/log/dhcp/dhcpd.log
& stop

root@DHCP:/var/log# mkdir dhcp
root@DHCP:/var/log# cd dhcp/
root@DHCP:/var/log/dhcp# touch dhcpd.log
root@DHCP:/var/log/dhcp# chmod 640 dhcpd.log

root@DHCP:/var/log/dhcp# chown sys:adm dhcpd.log
```

Establecer nombre del dominio al servidor

```
en el nodo proxmox02 sprint2

GNU nano 7.2 /etc/hosts *
127.0.0.1 localhost
::1 localhost ip6-localhost ip6-loopback
ff02::1 ip6-allnodes
ff02::2 ip6-allrouters
# --- BEGIN PVE ---
172.16.100.207 DHCP.int.g100.asix DHCP
# --- END PVE ---
```

Establecer el servidor de nombres al nuestro.

```
GNU nano 7.2 /etc/resolv.conf
# --- BEGIN PVE ---
search int.g100.asix
domain int.g100.asix
nameserver 172.16.100.200
# --- END PVE ---
```

Establecer mascara a 255.255.255.0

```
GNU nano 7.2                                     interfaces
auto lo
iface lo inet loopback

auto eth0
iface eth0 inet static
    address 172.16.100.207/24
    gateway 172.16.100.1
```

Configuración subred dentro del archivo /etc/dhcpd.conf

```
# This is a very basic subnet declaration.

subnet 172.16.100.0 netmask 255.255.255.0 {
    range 172.16.100.60 172.16.100.90;
    option routers 172.16.100.1;
}
```

Configuración para que el contenedor sxi obtenga IP, DNS y GW dinámicamente.  
Configuramos en el archivo /etc/dhcpd.conf

```
# This is a very basic subnet declaration.

subnet 172.16.100.0 netmask 255.255.255.0 {
    range 172.16.100.60 172.16.100.90;
    option routers 172.16.100.1;

    host sxi {
        hardware ethernet BC:24:11:C9:8D:81;
        fixed-address 172.16.100.70;
    }
}
```

Verificamos que el contenedor sxi obtiene IP, DNS y GW dinámicamente.

```
valid_ifc forever preferred_ifc forever
root@sxi:~# ip route show
default via 172.16.100.1 dev eth0
172.16.100.0/24 dev eth0 proto kernel scope link src 172.16.100.70
root@sxi:~#

Nov 04 09:33:30 DHCP dhcpd[984]: DHCPREQUEST for 172.16.100.70 from bc:24:11:c9:8d:81 via eth0
Nov 04 09:33:30 DHCP dhcpd[984]: DHCPACK on 172.16.100.70 to bc:24:11:c9:8d:81 via eth0
lines 115-161/161 (END)
```

Monitorización de logs

```
GNU nano 7.2                                     dhcpd.log
2025-11-04T11:10:45.127443+00:00 DHCP dhcpd[984]: Dynamic and static leases present for 172.16.100.70.
2025-11-04T11:10:45.127537+00:00 DHCP dhcpd[984]: Remove host declaration sxi or remove 172.16.100.70
2025-11-04T11:10:45.127549+00:00 DHCP dhcpd[984]: from the dynamic address pool for 172.16.100.0/24
2025-11-04T11:10:45.127562+00:00 DHCP dhcpd[984]: DHCPREQUEST for 172.16.100.70 from bc:24:11:c9:8d:81 via eth0
2025-11-04T11:10:45.127573+00:00 DHCP dhcpd[984]: DHCPACK on 172.16.100.70 to bc:24:11:c9:8d:81 via eth0
```