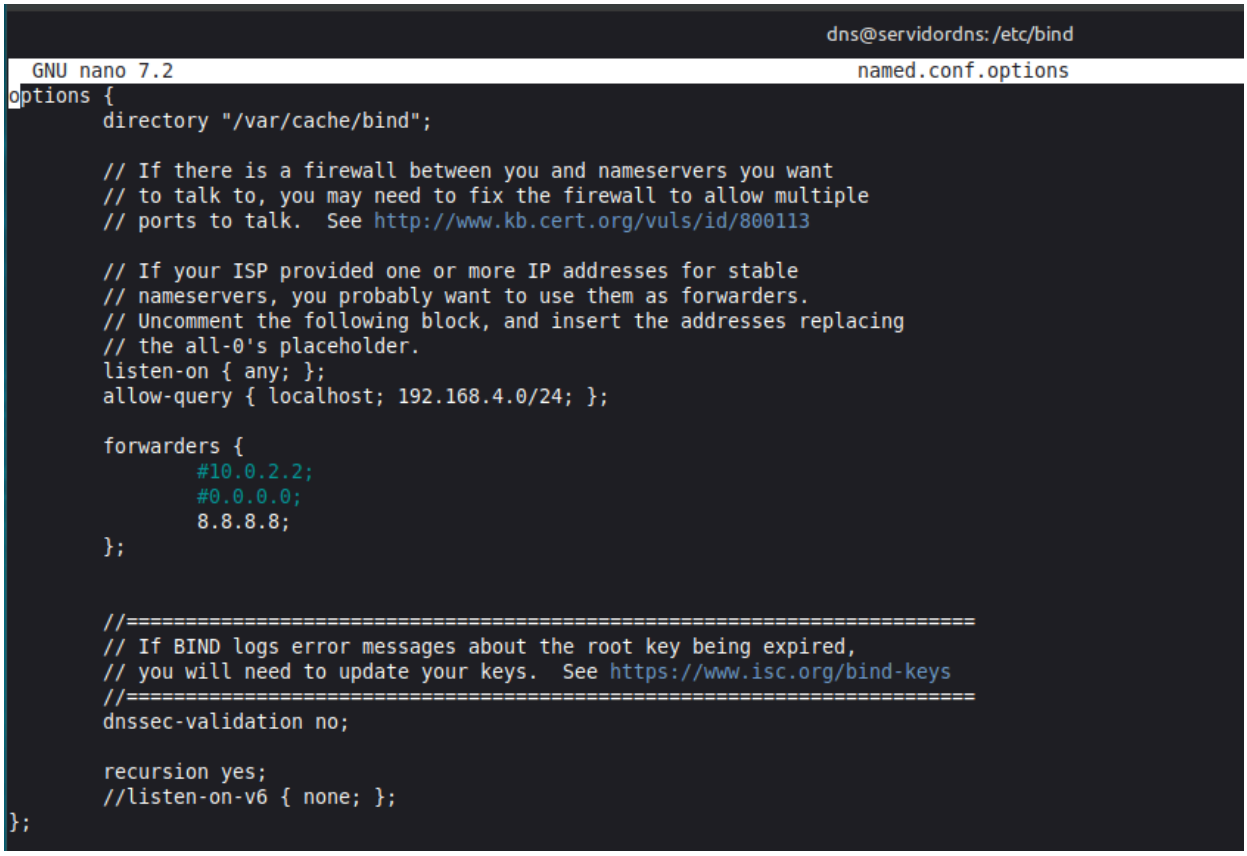
configurar DNS
CLIENTE:
ip a -> compruebo que no hay ip configurada
ping 8.8.8.8 -> compruebo que no funciona la conexion a internet
configuracion red > IPv4 > manual: Dirección > 192.168.4.15
Mascara: 255.255.255.0
Puerta Enlace (ip servidor): 192.168.4.250
DNS > servidor > 192.168.4.250
Rutas > direccion > 192.168.4.250
config red avanzada > cableada > ajustes ipv4 >dominios de búsqueda: acgdaw.local
ip a -> comprobar que se ha configurado la ip que hemos puesto (si no funciona reiniciar el cliente)
ip route -> sale la que hemos configurado
resolvectl -> tiene que estar ipDNS y acgdaw.local

SERVIDOR DNS:
sudo nano /etc/netplan/50....
enp0s3: dhcp4: true
enp0s8: dhcp4: false addresses: [192.168.4.250/24]
sudo netplan generate
sudo netplan apply
ip a

CLIENTE:
ping 192.168.4.250
ssh dns@192.168.4.250
ip a
- me apunto las ip que me salen: enp0s3: ip: 10.0.2.15/24
ip route
- me apunto la via por defecto: 10.0.2.2
sudo nano /etc/netplan/50....
enp0s3: dhcp4: false
addresses: [10.0.2.250/24]
routes: - to: default
via: 10.0.2.2
sudo netplan generate
sudo netplan apply
ip a
ping 8.8.8.8

sudo apt update
sudo apt-get install bind9 bind9-utils
sudo systemctl status bind9
sudo nano /etc/bind/named.conf.options



sudo apt install ufw
sudo ufw allow bind9
sudo ufw status
sudo apt remove ufw
sudo apt install netfilter-persistent iptables-persistent
sudo netfilter-persistent save

sudo nano /etc/netplan/50....
enp0s3: dhcp4: false
addresses: [10.0.2.250/24]
routes: - to: default
via: 10.0.2.2
nameservers:
addresses: [10.0.2.250]
search: [acgdaw.local]
sudo netplan generate
sudo netplan apply
resolvectl
cd /etc/bind
ls
***copia de seguridad del archivo:
sudo cp named.conf.local named.conf.local_fecha

sudo nano named.conf.local

***añadir debajo del todo:

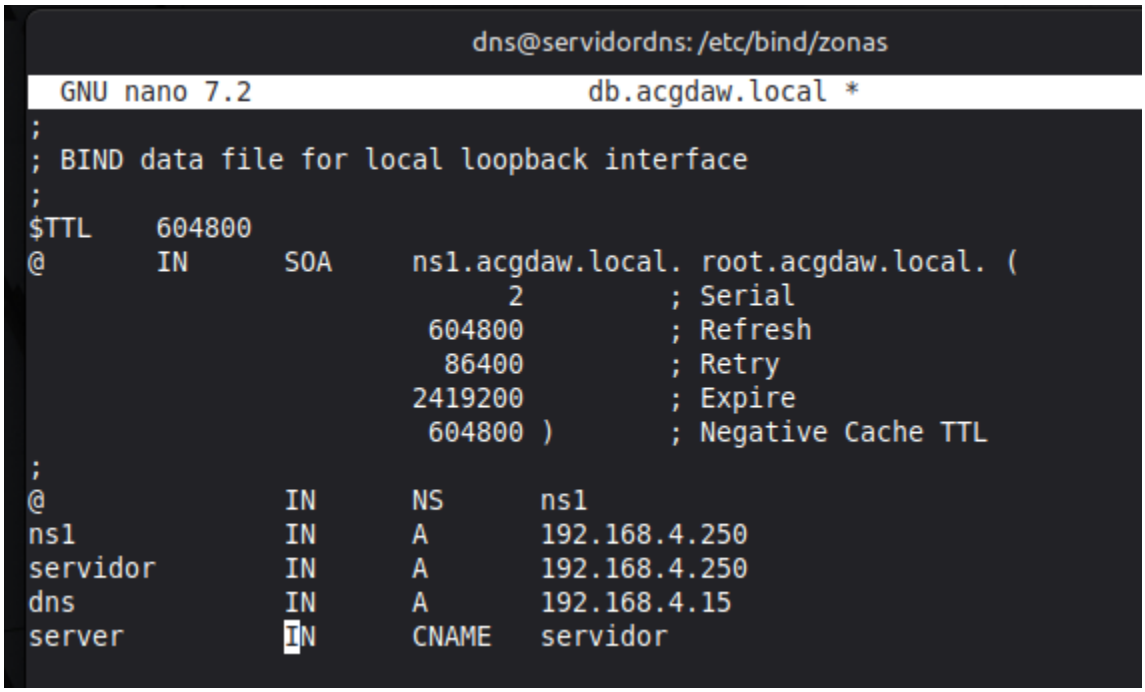
```
zone "acgdaw.local" {
        type master;
        file "/etc/bind/zonas/db.acgdaw.local";
};

zone "4.168.192.in-addr.arpa" {
        type master;
        file "/etc/bind/zonas/db.4.168.192.in-addr.arpa";
};
```

sudo mkdir zonas

sudo cp db.local zonas/db.acgdaw.local

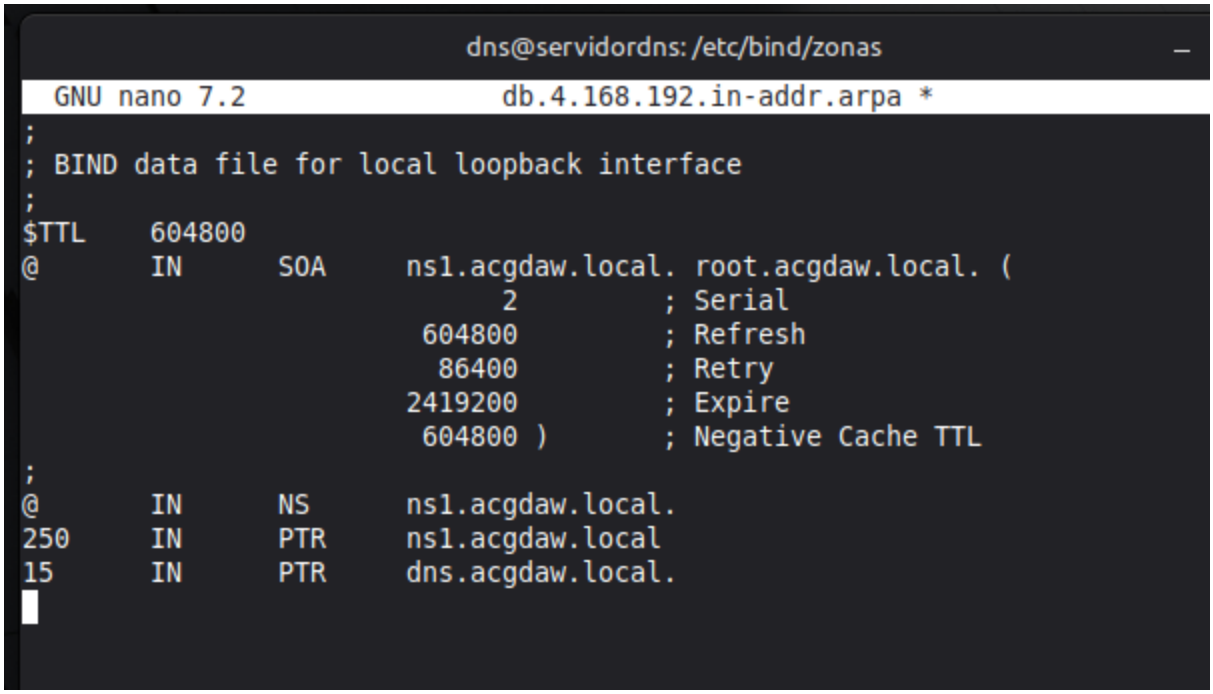
cd zonas/

sudo nano db.acgdaw.local



sudo cp db.acgdaw.local db.4.168.192.in-addr.arpa

sudo nano db.4.168.192.in-addr.arpa



sudo named-checkzone acgdaw.local /etc/bind/zonas/db.acgdaw.local
*****tiene que salir OK
sudo named-checkzone db.4.168.192.in-addr.arpa /etc/bind/zonas/db.4.168.192.in-addr.arpa
*****tiene que salir OK
sudo systemctl restart bind9
sudo systemctl status bind9

COMPROBACIONES DESDE CLIENTE OTRO TERMINAL:
nslookup ns1

```
cliente@cliente-VirtualBox:~$ nslookup ns1
Server:         127.0.0.53
Address:        127.0.0.53#53

Non-authoritative answer:
Name:   ns1.acgdaw.local
Address: 192.168.4.250
```

nslookup ns1.acgdaw.local

```
cliente@cliente-VirtualBox:~$ nslookup ns1.acgdaw.local
Server:         127.0.0.53
Address:        127.0.0.53#53

Non-authoritative answer:
Name:   ns1.acgdaw.local
Address: 192.168.4.250
```

nslookup dns

```
cliente@cliente-VirtualBox:~$ nslookup dns
Server:         127.0.0.53
Address:        127.0.0.53#53

Non-authoritative answer:
Name:   dns.acgdaw.local
Address: 192.168.4.15
```

ping google.es

nslookup 192.168.4.250

```
cliente@cliente-VirtualBox:~$ nslookup 192.168.4.250
250.4.168.192.in-addr.arpa      name = ns1.acgdaw.local.4.168.192.in-addr.arpa.

Authoritative answers can be found from:
```

cat /etc/resolv.conf

```
cliente@cliente-VirtualBox:~$ cat /etc/resolv.conf
# This is /run/systemd/resolve/stub-resolv.conf managed by man:systemd-resolved(8).
# Do not edit.
#
# This file might be symlinked as /etc/resolv.conf. If you're looking at
# /etc/resolv.conf and seeing this text, you have followed the symlink.
#
# This is a dynamic resolv.conf file for connecting local clients to the
# internal DNS stub resolver of systemd-resolved. This file lists all
# configured search domains.
#
# Run "resolvectl status" to see details about the uplink DNS servers
# currently in use.
#
# Third party programs should typically not access this file directly, but only
# through the symlink at /etc/resolv.conf. To manage man:resolv.conf(5) in a
# different way, replace this symlink by a static file or a different symlink.
#
# See man:systemd-resolved.service(8) for details about the supported modes of
# operation for /etc/resolv.conf.

nameserver 127.0.0.53
options edns0 trust-ad
search acgdaw.local
```