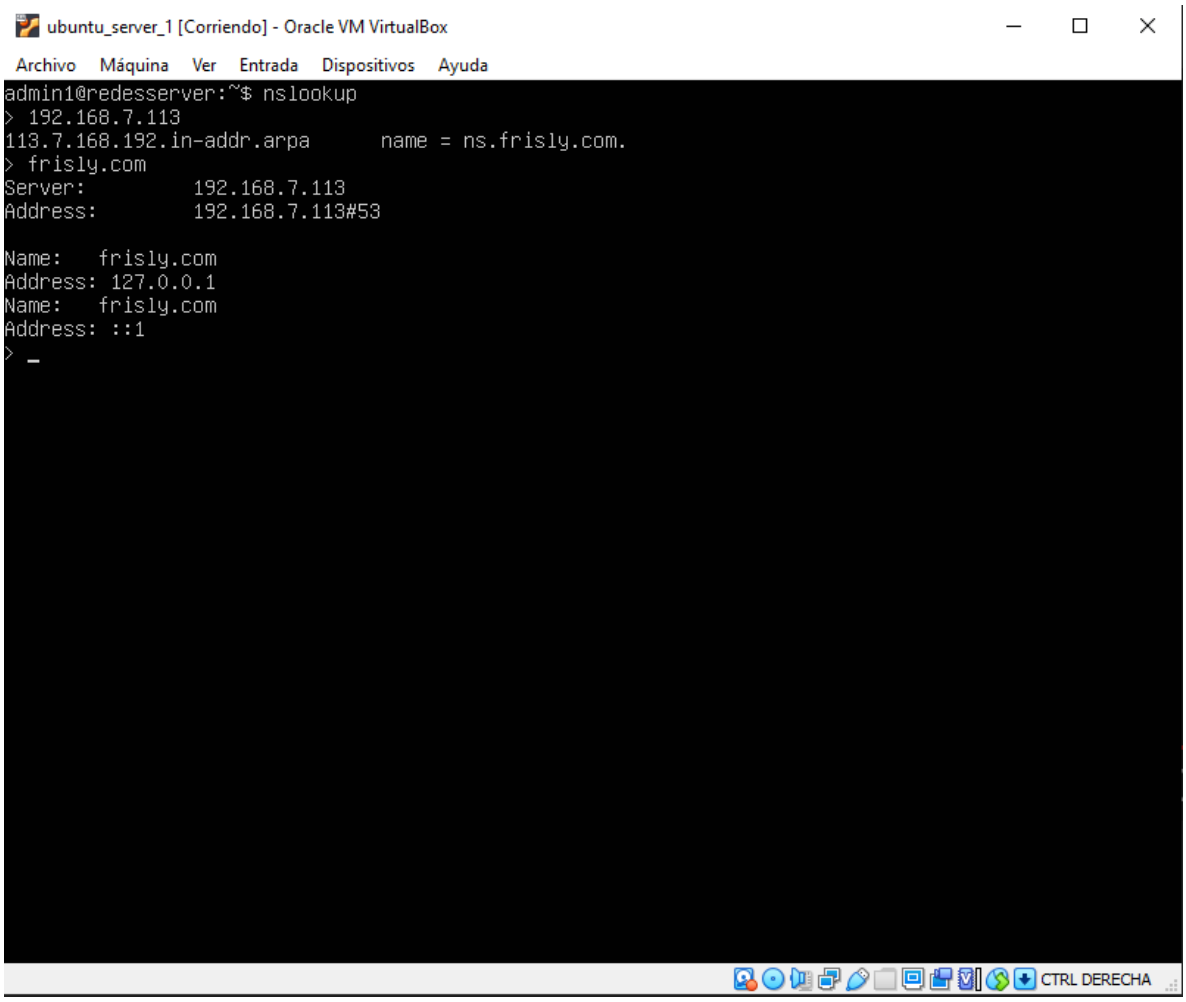
DNS SERVER

Nombre: Wilson Manuel Santos Ajcot

Carné: 201907179

FUNCIONAMIENTO

Sistema Windows 7 (Cliente) cuando el servidor esta apagado.



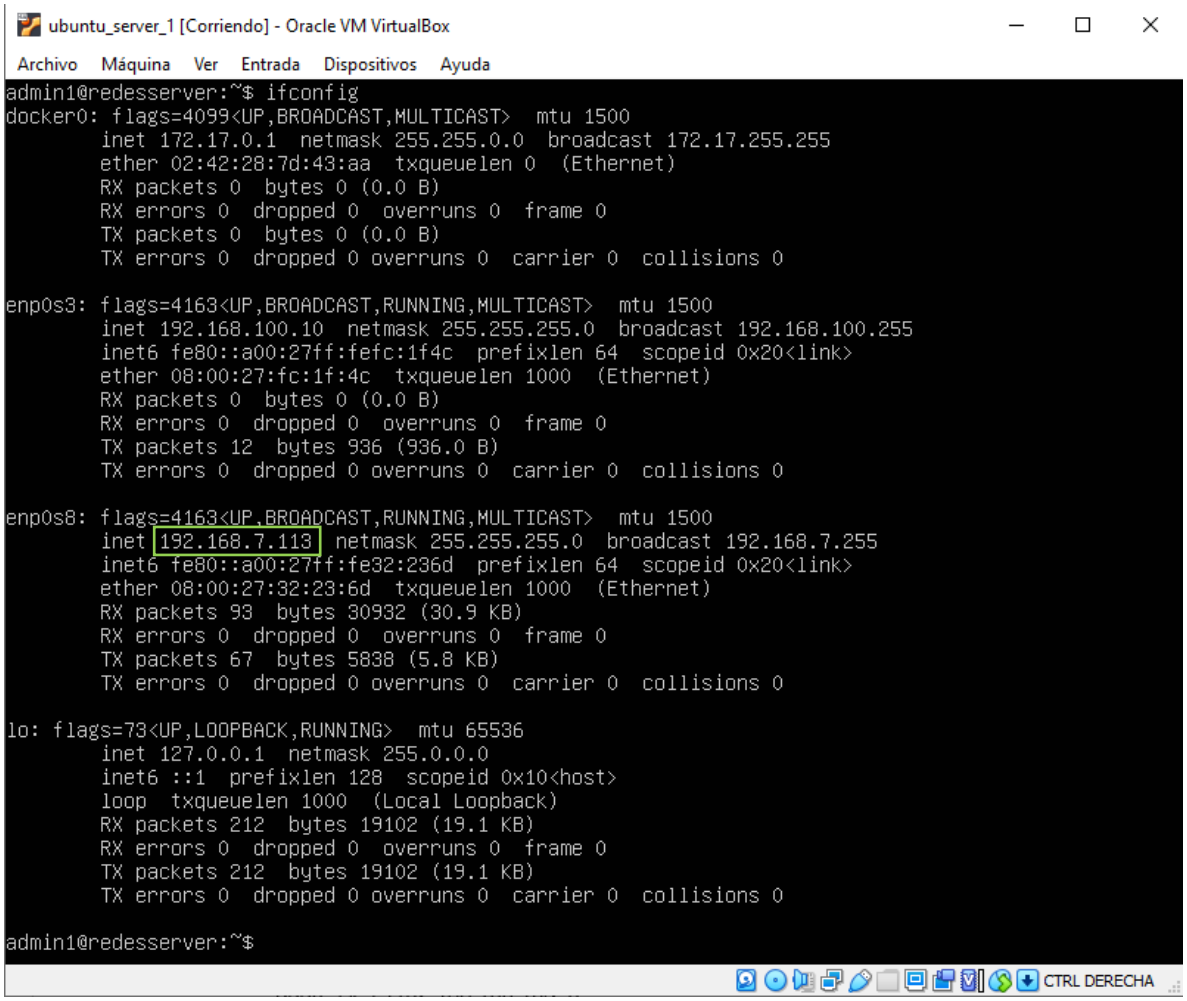
PROCEDIMIENTO

COMANDOS

- sudo apt update
- sudo apt upgrade
- sudo apt install net-tools

OBTENER LA DIRECCIÓN IP DE LA TARJETA DE RED LOCAL (No la dirección IP de la red de DHCP)

- ip addr
- ifconfig



INSTALAR BIND9 Y HERRAMIENTAS

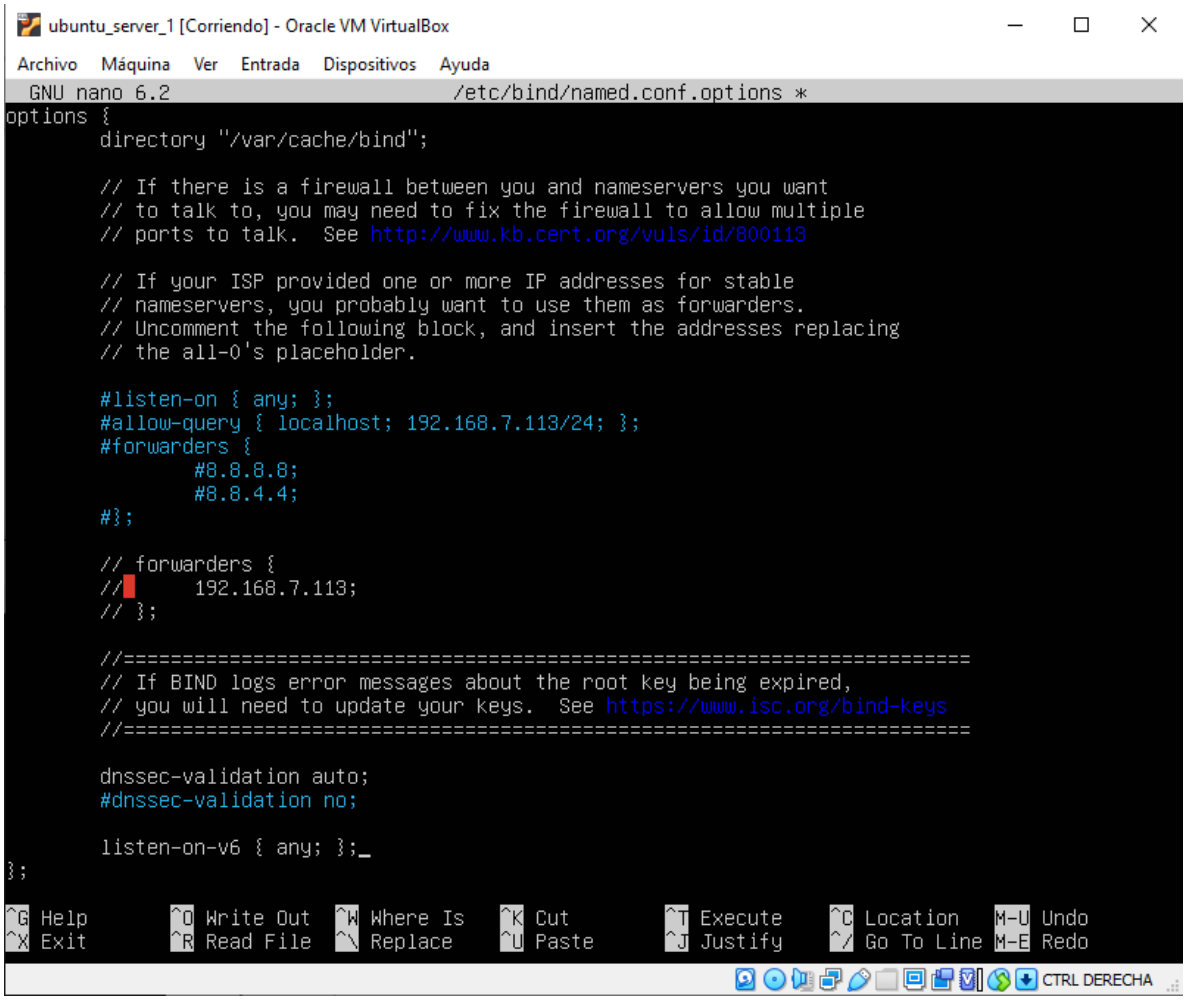
- sudo apt install bind9 bind9-utils nano
- systemctl status bind9 (Verificamos que el servicio esta funcionando)

CONFIGURACIÓN PREVIA BIND9

- sudo ufw allow bind9

CONFIGURACIÓN “named.conf.options”

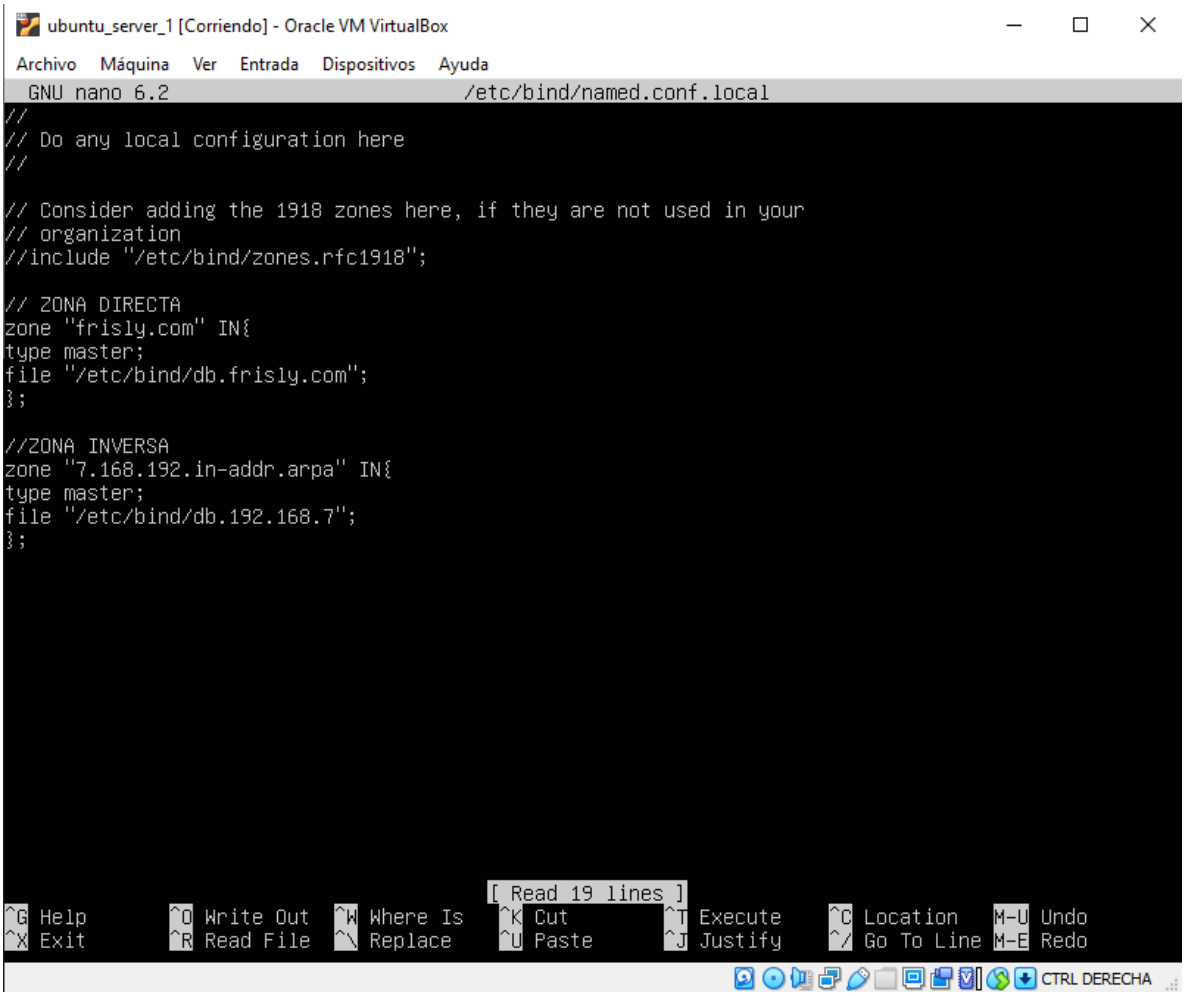
- sudo nano /etc/bind/named.conf.options



- sudo named-chekconf (verificar que la configuración este correcta, si no hay error no se mostrara nada)
- sudo systemctl restart bind9
- systemctl status bind9

CONFIGURACIÓN “named.conf.local”

- sudo nano /etc/bind/named.conf.local



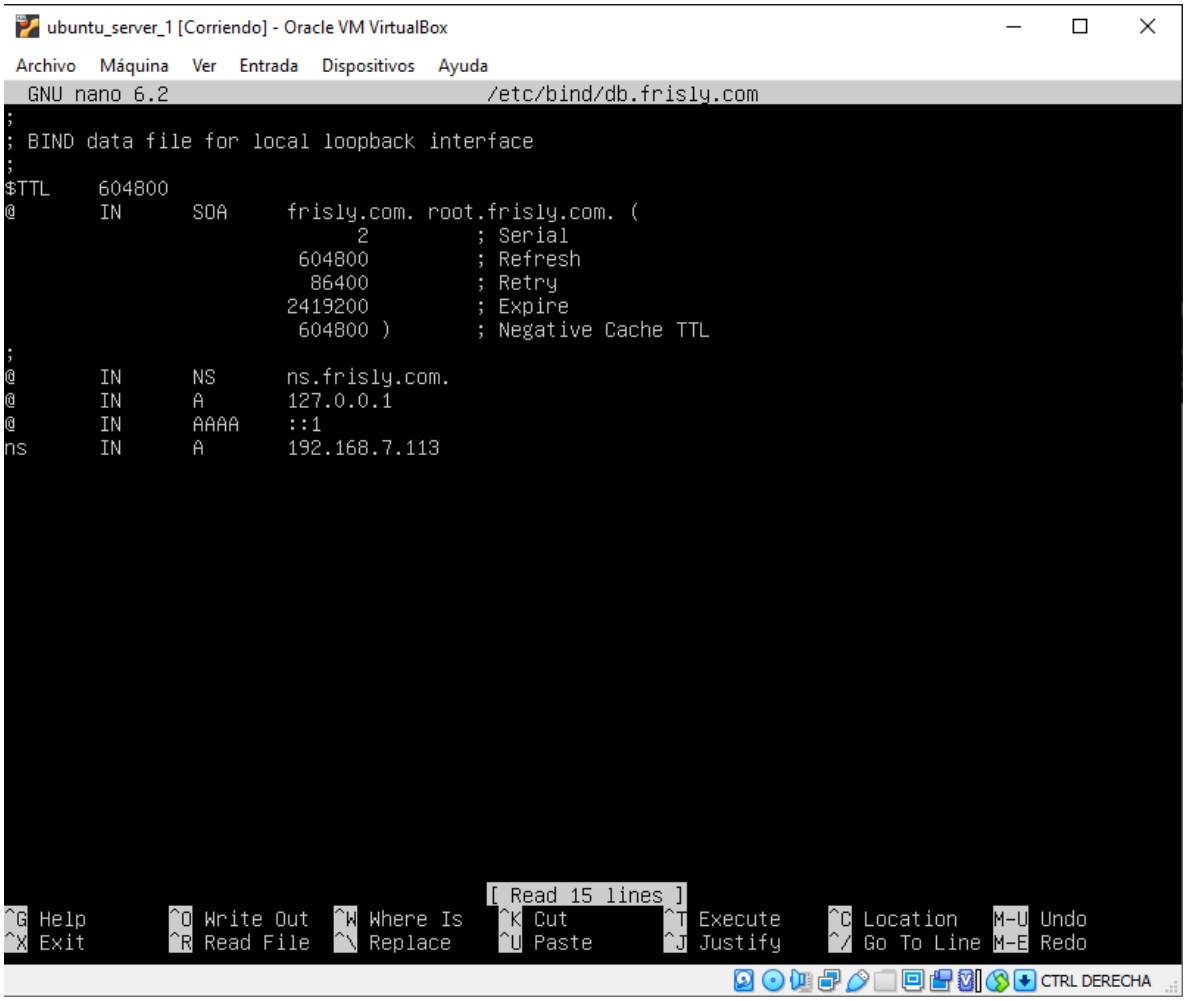
Creación de los archivos “db.192.168.7” y “db.frisly.com”

- sudo cp /etc/bind/db.local /etc/bind/db.frisly.com
- sudo cp /etc/bind/db.127 /etc/bind/db.192.168.7

```
admin1@redesserver:~$ cd /etc/bind
admin1@redesserver:/etc/bind$ ls
bind.keys  db.192.168.7  db.frisly.com  named.conf.default-zones  rndc.key
db.0       db.255        db.local       named.conf.local          zonas
db.127     db.empty      named.conf     named.conf.options        zones.rfc1918
admin1@redesserver:/etc/bind$ _
```

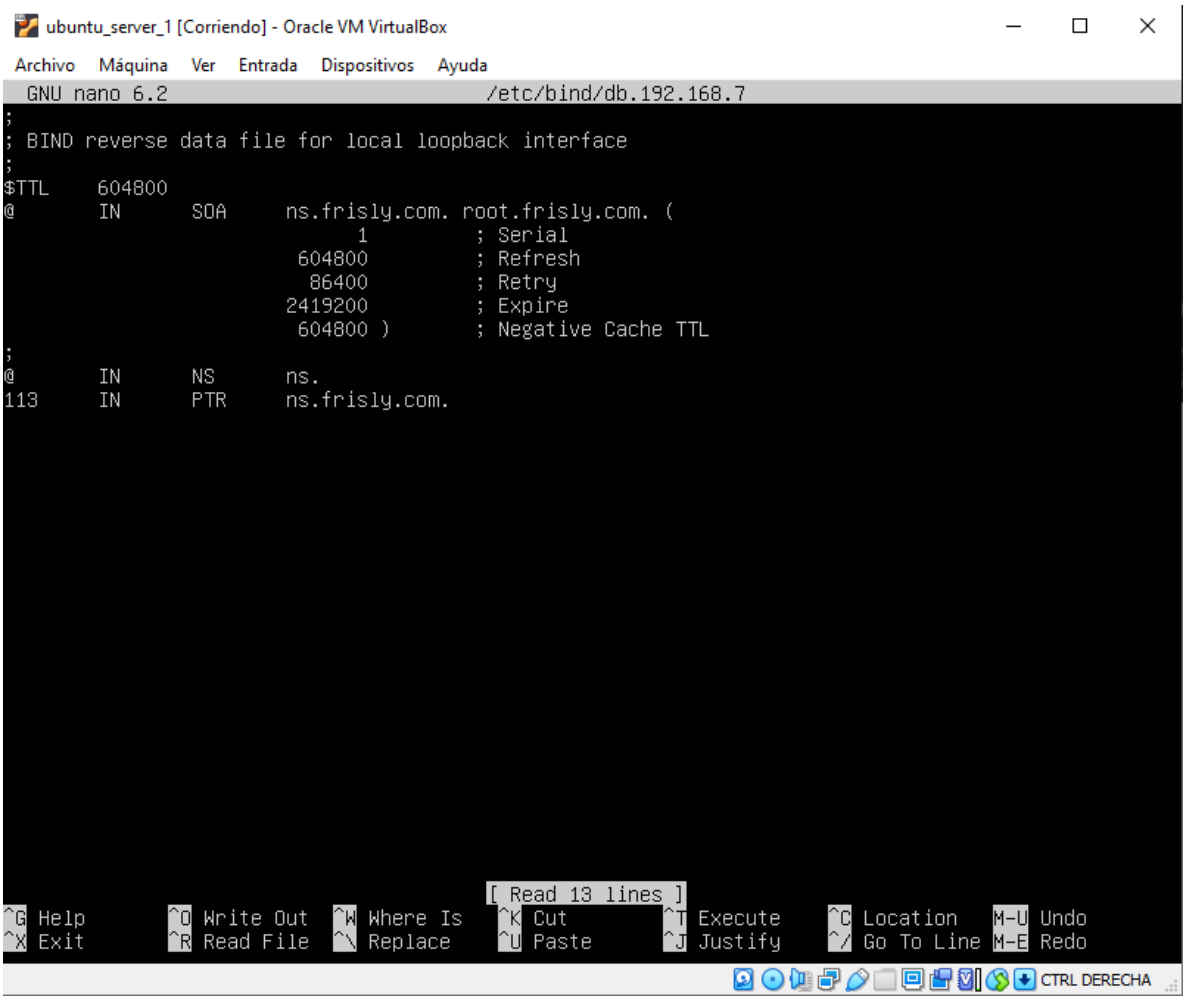
CONFIGURACIÓN “db.frisly.com”

- sudo nano /etc/bind/db.frisly.com



CONFIGURACIÓN “db.192.168.7”

- sudo nano /etc/bind/db.192.168.7

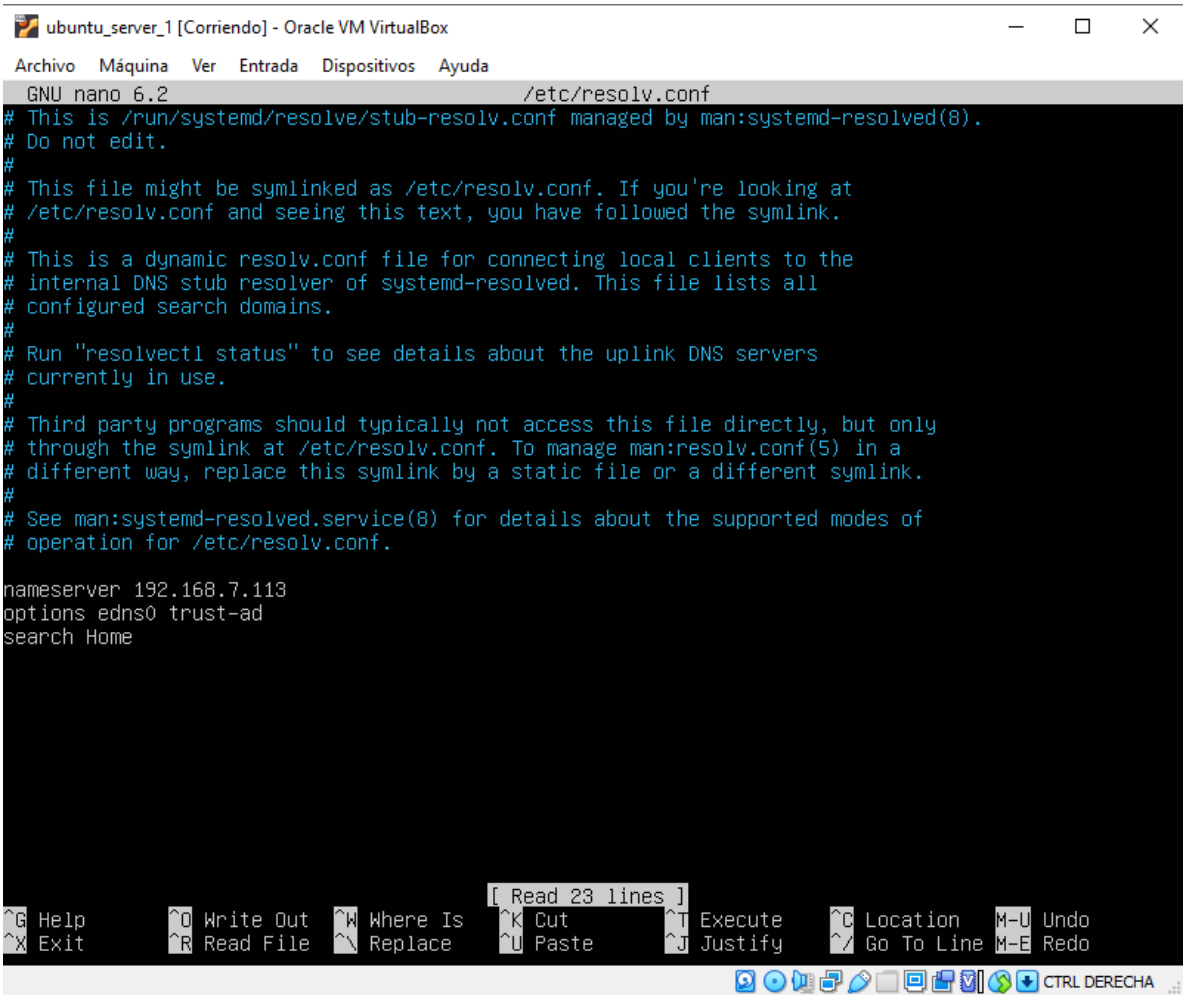


VERIFICAR QUE TODO ESTE CORRECTO

- sudo named-checkzone frisly.com /etc/bind/zonas/db.frisly.com
- sudo named-checkzone db.192.168.100.in-addr.arpa /etc/bind/zonas/db.192.168.100

CONFIGURACIÓN “resolv.conf”

- sudo nano /etc/resolv.conf



REINICIAR EL SISTEMA Y COMPROBAR EL SERVIDOR DNS

- systemctl restart bind9
- systemctl status bind9
- nslookup

```
admin1@redesserver:~$ nslookup
> 192.168.7.113
113.7.168.192.in-addr.arpa      name = ns.frisly.com.
> frisly.com
Server:         192.168.7.113
Address:        192.168.7.113#53

Name:   frisly.com
Address: 127.0.0.1
Name:   frisly.com
Address: ::1
> _
```