DNS sobre Docker con Bind9

Creamos una red en Docker

```
docker network create --subnet=172.16.0.0/16 net_dns
```

```
docker  network inspect net_dns
```

Por si necesitamos añadir un contenedor a nuestra red Docker

```
docker network connect net_dns 0aec
```

Creamos un contenedor en Docker

```
docker run -it --name ServidorDNS  --net=net_dns --ip=172.16.0.2 ubuntu:24.04 /bin/bash
```

Instalamos BIND9

```
apt update
```

```
apt-get install bind9 bind9utils
```

Instalamos Nano

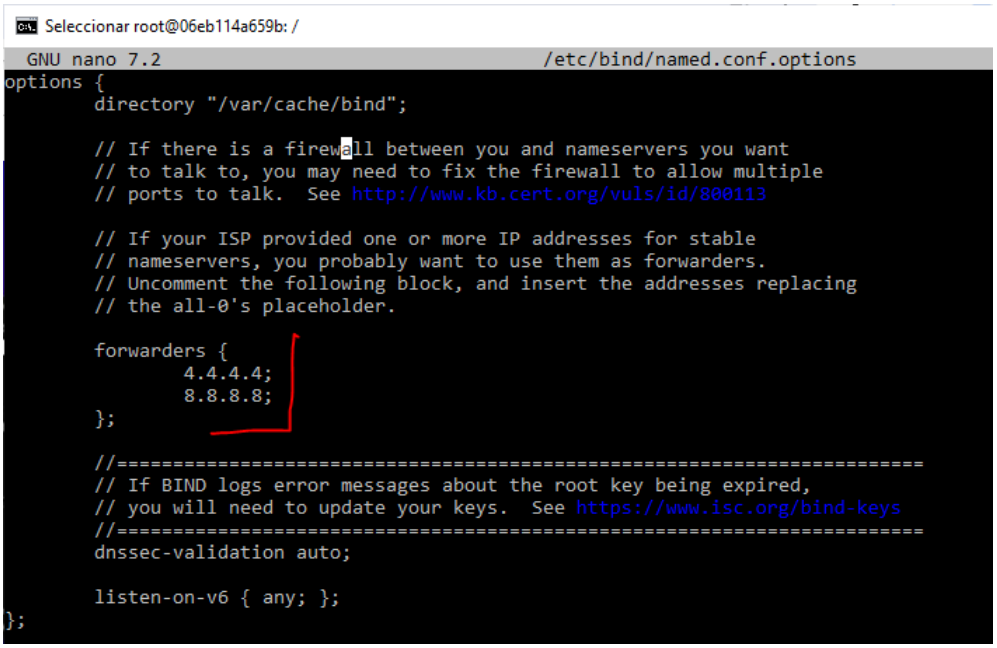
```
apt update
```

```
apt-get install nano
```

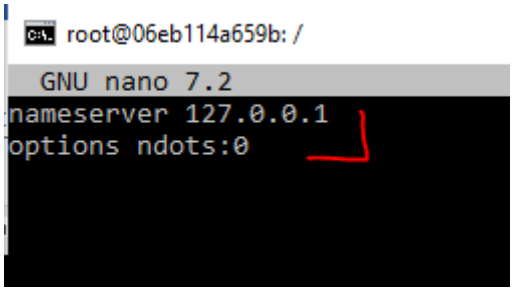
Verificamos estatus de BIND9

```
/etc/init.d/named status
```

```
nano /etc/bind/named.conf.options
```



`nano /etc/resolv.conf`



`nano /etc/bind/named.conf.local`

```
zone "mynet.net" {
 type master;
 file "/etc/bind/zones/db.mynet.net";
};
```

`mkdir /etc/bind/zones`

`nano /etc/bind/zones/db.mynet.net`

```
$TTL 2d
@       IN      SOA     ns1.mynet.net. root.mynet.net. (
                        20230218        ; serial number
                                3600            ; refresh period
                                600             ; retry period
                                604800          ; expire time
                                1800            ; negative TTL
                        )
        IN      NS      ns1.mynet.net.

ns1.mynet.net.      IN      A       172.16.0.2
server1.mynet.net.      IN      A       172.16.0.3
server2.mynet.net.      IN      A       172.16.0.4
```

```
service named start
service named status
```

Creamos los dos servidores

```
docker run -it --name=server1 --net=net_dns --ip=172.16.0.3 --dns=172.16.0.2 httpd:2.4 /bin/bash
```

```
docker run -it --name=server2 --net=net_dns --ip=172.16.0.4 --dns=172.16.0.2 httpd:2.4 /bin/bash
```

Verificamos que tenemos 3 contenedores en nuestra red Docker

```
docker network inspect net net_dns
```

En el server2… instalamos el paquete iputils

```
apt update
apt-get install iputils-ping
```