

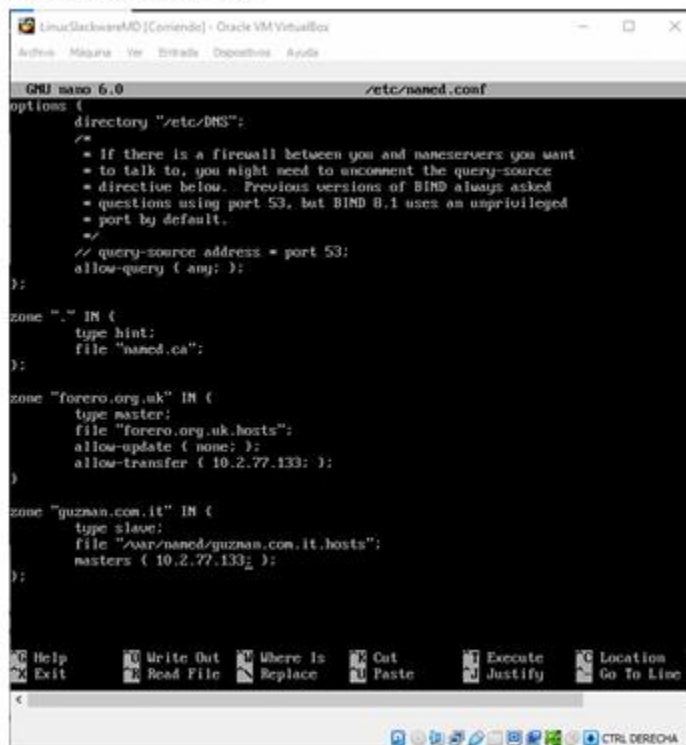
### ***Dominio: guzman.com.it***

|                       |   |
|-----------------------|---|
| Servidor 1: MaineCoon | IPv4: 10.2.77.137                           |
| Servidor 2: Siames    | IPv4: 10.2.77.138                           |
| Servidor 3: Ragdoll   | IPv4: 10.2.77.139                           |
| Servidor 4: Birmano   | IPv6: 2800:484:5380:4d00:98b6:45b6:d53:c6fd |
| Servidor 5: Siberiano | IPv6: 2800:484:5380:4d00:98b6:45b6:d53:c7fd |
| Alias: www            | Nombre real: MaineCoon                      |
| Alias: correo         | Nombre real: Siames                         |
| Alias: biblioteca6    | Nombre real: Siberiano                      |

### ***Dominio: forero.org.uk***

|                        |   |
|------------------------|---|
| Servidor 1: Bulldog    | IPv4: 10.2.77.140                           |
| Servidor 2: Beagle     | IPv4: 10.2.77.141                           |
| Servidor 3: Husky      | IPv4: 10.2.77.142                           |
| Servidor 4: Rottweiler | IPv6: 2800:484:5380:4d00:98b6:45b6:d53:c8fd |
| Servidor 5: Shiba      | IPv6: 2800:484:5380:4d00:98b6:45b6:d53:c9fd |
| Alias: www             | Nombre real: Bulldog                        |
| Alias: correo          | Nombre real: Beagle                         |
| Alias: biblioteca6     | Nombre real: Shiba                          |

Para poder configurar el servicio en Slackware según los requisitos tenemos que configurar de primeras el archivo `/etc/named.conf`



```
LinuxSlackwareMD [Corriendo] - Oracle VM VirtualBox
Archivo  Májcula  Ver  Entradas  Depósitos  Ayuda

GNU nano 6.0 /etc/named.conf
options {
    directory "/etc/DNS";
    /*
     * If there is a firewall between you and nameservers you want
     * to talk to, you might need to uncomment the query-source
     * directive below. Previous versions of BIND always asked
     * questions using port 53, but BIND 8.1 uses an unprivileged
     * port by default.
     */
    // query-source address # port 53;
    allow-query { any; };
};

zone "." IN {
    type hint;
    file "named.ca";
};

zone "forero.org.uk" IN {
    type master;
    file "forero.org.uk.hosts";
    allow-update { none; };
    allow-transfer { 10.2.77.133; };
};

zone "guzman.com.it" IN {
    type slave;
    file "AAar/named/guzman.com.it.hosts";
    masters { 10.2.77.133; };
};

Help  Write Out  Where Is  Cut  Execute  Location
Exit  Read File  Replace  Paste  Justify  Go To Line
```

Configuramos ahora el archivo de los root servers en named.ca:

```
LinuxSlackwareMD [Contenido] - Oracle VM VirtualBox
Archivo  Máquina  Ver  Entrada  Dispositivos  Ayuda

GNU nano 6.0 /etc/dns/named.ca
: This file holds the information on root name servers needed to
: initialize cache of Internet domain name servers
: (e.g. reference this file in the "cache . <file>"
: configuration file of BIND domain name servers).
:
: This file is made available by InterNIC
: under anonymous FTP as
:   file             /domain/named.cache
:   on server        FTP.INTERNIC.NET
: -OR-               RS.INTERNIC.NET
:
: last update:      July 30, 2019
: related version of root zone:  2019073000
:
: FORMERLY NS.INTERNIC.NET
:
: 3600000      NS      a.ROOT-SERVERS.NET.
a.ROOT-SERVERS.NET. 3600000 a 198.41.0.4
: 3600000      AAAA    2001:503:ba3e::2:30
a.ROOT-SERVERS.NET. 3600000
:
: FORMERLY NS1.ISI.EDU
:
: 3600000      NS      B.ROOT-SERVERS.NET.
B.ROOT-SERVERS.NET. 3600000 a 199.9.14.201
: 3600000      AAAA    2001:500:200::b
B.ROOT-SERVERS.NET. 3600000
:
: FORMERLY C.PSI.NET
:
: 3600000      NS      C.ROOT-SERVERS.NET.
C.ROOT-SERVERS.NET. 3600000 a 192.33.4.12
: 3600000      AAAA    2001:500:2::c
C.ROOT-SERVERS.NET. 3600000
:
: FORMERLY TERP.UMD.EDU
:
: Read 92 lines
: Help  Write Out  Where Is  Cut  Execute  Location
: Exit  Read File  Replace  Paste  Justify  Go To Line
```

Ahora configuramos `forero.org.uk.hosts` con las equivalencias indicadas para el dominio `forero`:

```
LinuxSlackwareMD [Corriendo] - Oracle VM VirtualBox
Archivo  Máquina  Ver  Entrada  Dispositivos  Ayuda

GNU nano 6.0 /etc/DNS/forero.org.uk.hosts

/etc/DNS/deisy.com.it.hosts file

INCLUDE UPDATE SOA HEADER
$TTL 86400 ; TTL predeterminado de 1 día
$INCLUDE /etc/DNS/named.soa ;

forero.org.uk. IN NS dns.forero.org.uk.
forero.org.uk. IN A 10.2.77.130

localhost.forero.org.uk. IN A 127.0.0.1
dns.forero.org.uk. IN A 10.2.77.130

; Nombre reales de las maquinas en IPv4
Bulldog.forero.org.uk. IN A 10.2.77.140
Beagle.forero.org.uk. IN A 10.2.77.141
husky.forero.org.uk. IN A 10.2.77.142

; Nombre reales de las maquinas en IPv6
Bottweiler IN AAAA 2000:484:5380:4d00:98b6:45b6:d53:c8fd
Shiba IN AAAA 2000:484:5380:4d00:98b6:45b6:d53:c9fd

; Alias
www.forero.org.uk. IN CNAME Bulldog.forero.org.uk.
correo.forero.org.uk. IN CNAME Beagle.forero.org.uk.
biblioteca6.forero.org.uk. IN CNAME Shiba.forero.org.uk.

Help  Write Out  Where Is  Cut  Execute  Location
Exit  Read File  Replace  Paste  Justify  Go To Line
```

Por último configuramos `named.soa`

```
GNU nano 6.0 /etc/DNS/named.soa
0 IN SOA dns.forero.org.uk. root.forero.org.uk. (
2024090801 ; Serial
43200 ; Refresh
3600 ; Retry
432000 ; Expire
86400 ;) Minimum TTL
```

Podemos empezar el servicio con:

`/etc/rc.d/rc.bind start` o `/etc/rc.d/rc.bind restart`

con `netstat -tuln | grep 10.2.77.130:53` podemos comprobar que este corriendo por el puerto 53

```
root@LinuxSlackware: # netstat -tuln | grep 192.168.0.200:53
tcp        0      0 192.168.0.200:53 0.0.0.0:*        LISTEN
udp        0      0 192.168.0.200:53 0.0.0.0:*
```