

DNS



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2 DAW 🌐

PREPARACIÓN DE MÁQUINAS

1.1 - SERVIDOR. Nombramos a la maquina como doraemon.iesrgu.com:

```

ServerMroslev [Corriendo] - Oracle VirtualBox
Archivo  Máquina  Ver  Entrada  Dispositivos  Ayuda
GNU nano 7.2
127.0.0.1      localhost
127.0.1.1      doraemon.iesrgu.com

# The following lines are desirable for IPv6 capable hosts
::1          localhost ip6-localhost ip6-loopback
ff02::1      ip6-allnodes
ff02::2      ip6-allrouters

```

```

ServerMroslev [Corriendo] - Oracle VirtualBox
Archivo  Máquina  Ver  Entrada  Dispositivos  Ayuda
GNU nano 7.2
doraemon.iesrgu.com

```

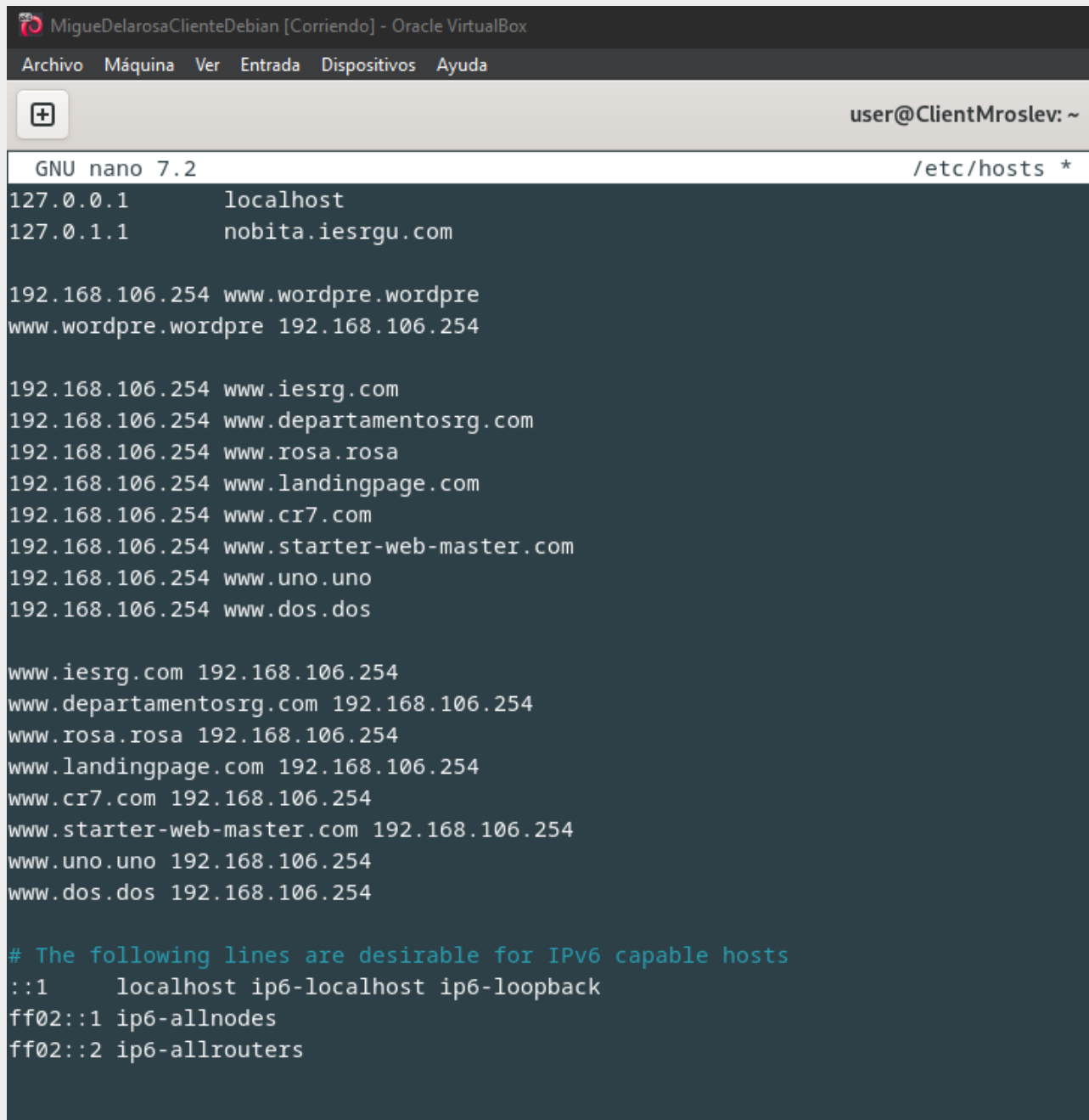
1.2 - SERVIDOR. Cambiamos la ip del servidor a 192.168.x.254:

```

ServerMroslev [Corriendo] - Oracle VirtualBox
Archivo  Máquina  Ver  Entrada  Dispositivos  Ayuda
root@doraemon:~# ip a
1: lo: <LOOPBACK,UP,LOWER_UP> mtu 65536 qdisc noqueue state UNKNOWN group default qlen 1000
    link/loopback 00:00:00:00:00:00 brd 00:00:00:00:00:00
    inet 127.0.0.1/8 scope host lo
        valid_lft forever preferred_lft forever
    inet6 ::1/128 scope host noprefixroute
        valid_lft forever preferred_lft forever
2: enp0s3: <BROADCAST,MULTICAST,UP,LOWER_UP> mtu 1500 qdisc fq_codel state UP group default qlen 1000
    link/ether 08:00:27:11:90:3e brd ff:ff:ff:ff:ff:ff
    inet 192.168.106.254/24 brd 192.168.106.255 scope global enp0s3
        valid_lft forever preferred_lft forever
    inet6 fe80::a00:27ff:fe11:903e/64 scope link
        valid_lft forever preferred_lft forever
3: enp0s8: <BROADCAST,MULTICAST,UP,LOWER_UP> mtu 1500 qdisc fq_codel state UP group default qlen 1000
    link/ether 08:00:27:bc:67:40 brd ff:ff:ff:ff:ff:ff
    inet 192.168.1.157/24 brd 192.168.1.255 scope global dynamic enp0s8
        valid_lft 86391sec preferred_lft 86391sec
    inet6 2a0c:5a86:102:3100:a00:27ff:febc:6740/64 scope global dynamic mngtmpaddr
        valid_lft forever preferred_lft forever
    inet6 fe80::a00:27ff:febc:6740/64 scope link
        valid_lft forever preferred_lft forever

```

2.1- CLIENTE. Nombramos a la maquina como nobita.iesrgu.com:



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

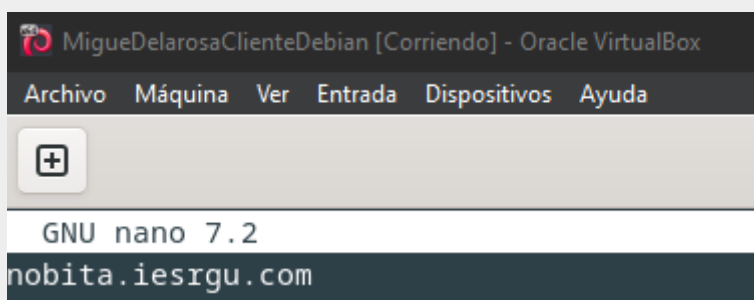
user@ClientMroslev: ~
GNU nano 7.2 /etc/hosts *
127.0.0.1    localhost
127.0.1.1    nobita.iesrgu.com

192.168.106.254 www.wordpre.wordpre
www.wordpre.wordpre 192.168.106.254

192.168.106.254 www.iesrg.com
192.168.106.254 www.departamentosrg.com
192.168.106.254 www.rosa.rosa
192.168.106.254 www.landingpage.com
192.168.106.254 www.cr7.com
192.168.106.254 www.starter-web-master.com
192.168.106.254 www.uno.uno
192.168.106.254 www.dos.dos

www.iesrg.com 192.168.106.254
www.departamentosrg.com 192.168.106.254
www.rosa.rosa 192.168.106.254
www.landingpage.com 192.168.106.254
www.cr7.com 192.168.106.254
www.starter-web-master.com 192.168.106.254
www.uno.uno 192.168.106.254
www.dos.dos 192.168.106.254

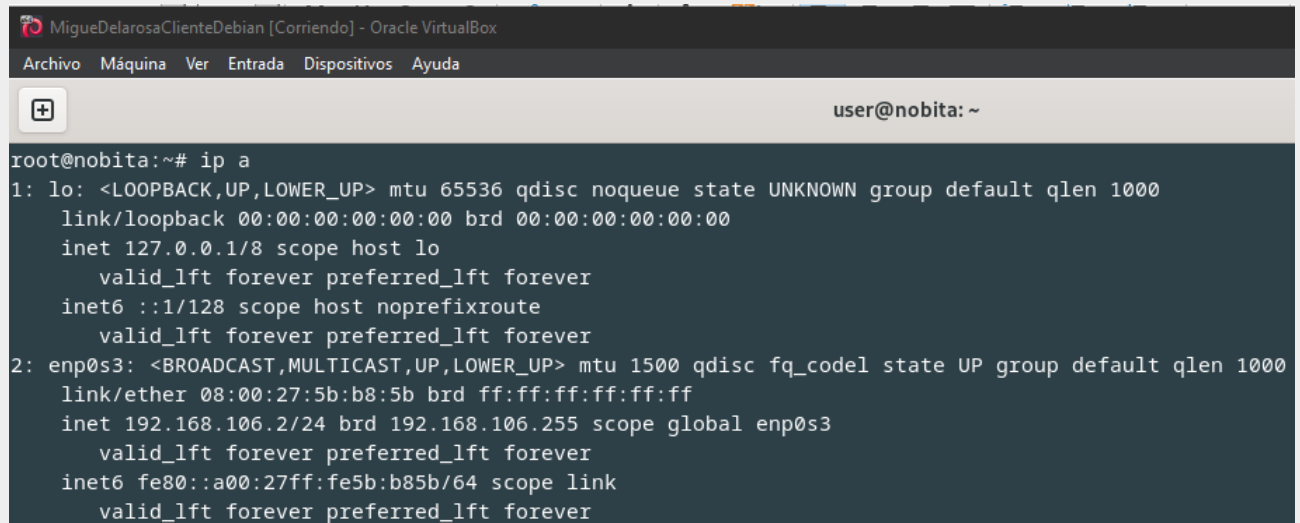
# The following lines are desirable for IPv6 capable hosts
::1    localhost ip6-localhost ip6-loopback
ff02::1 ip6-allnodes
ff02::2 ip6-allrouters
```



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

GNU nano 7.2
nobita.iesrgu.com
```

2.1- CLIENTE. Cambiamos la ip del cliente a 192.168.x.2:



```
MigueDelarosaClienteDebian [Corriendo] - Oracle VirtualBox
Archivo  Máquina  Ver  Entrada  Dispositivos  Ayuda
user@nobita: ~

root@nobita:~# ip a
1: lo: <LOOPBACK,UP,LOWER_UP> mtu 65536 qdisc noqueue state UNKNOWN group default qlen 1000
    link/loopback 00:00:00:00:00:00 brd 00:00:00:00:00:00
    inet 127.0.0.1/8 scope host lo
        valid_lft forever preferred_lft forever
    inet6 ::1/128 scope host noprefixroute
        valid_lft forever preferred_lft forever
2: enp0s3: <BROADCAST,MULTICAST,UP,LOWER_UP> mtu 1500 qdisc fq_codel state UP group default qlen 1000
    link/ether 08:00:27:5b:b8:5b brd ff:ff:ff:ff:ff:ff
    inet 192.168.106.2/24 brd 192.168.106.255 scope global enp0s3
        valid_lft forever preferred_lft forever
    inet6 fe80::a00:27ff:fe5b:b85b/64 scope link
        valid_lft forever preferred_lft forever
```

CONFIGURACIÓN DEL DNS

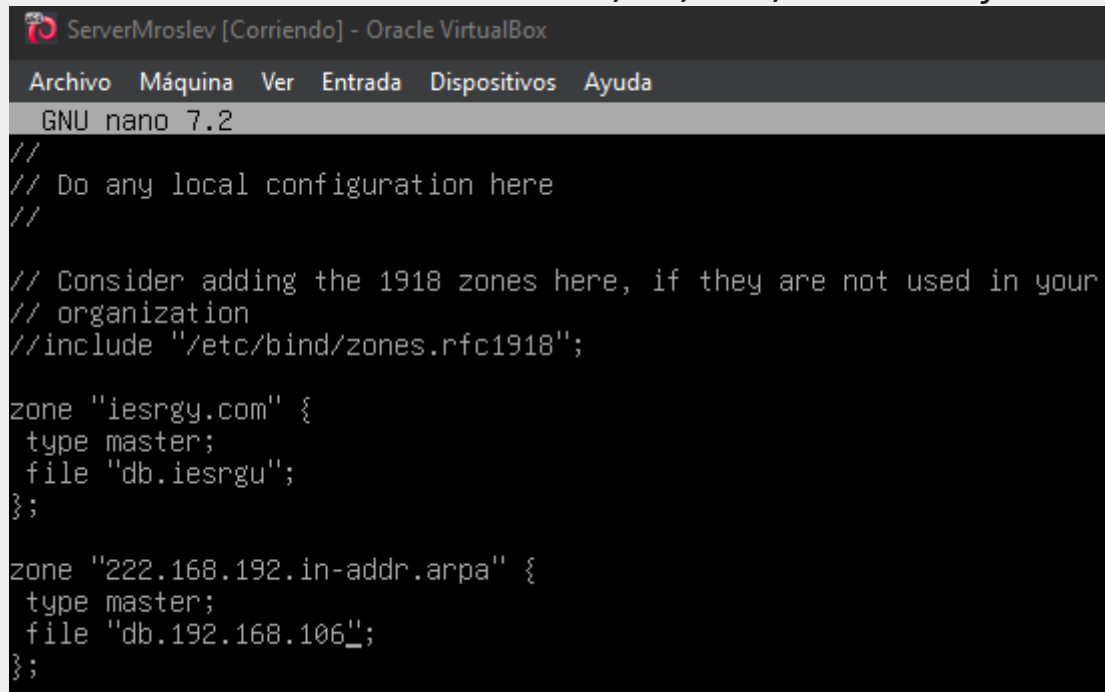
3.1- SERVIDOR. Realizamos un purge a “dnsmasq”:

```
ServerMroslev [Corriendo] - Oracle VirtualBox
Archivo  Máquina  Ver  Entrada  Dispositivos  Ayuda
root@doraemon:~# apt purge dnsmasq
Leyendo lista de paquetes... Hecho
Creando árbol de dependencias... Hecho
Leyendo la información de estado... Hecho
El paquete «dnsmasq» no está instalado, no se eliminará
0 actualizados, 0 nuevos se instalarán, 0 para eliminar y 38 no actualizados.
```

3.2- SERVIDOR. Instalamos bind9

```
ServerMroslev [Corriendo] - Oracle VirtualBox
Archivo  Máquina  Ver  Entrada  Dispositivos  Ayuda
root@doraemon:~# apt install bind9
Leyendo lista de paquetes... Hecho
Creando árbol de dependencias... Hecho
Leyendo la información de estado... Hecho
Se instalarán los siguientes paquetes adicionales:
  bind9-utils dns-root-data
Paquetes sugeridos:
  bind-doc resolvconf ufw
Se instalarán los siguientes paquetes NUEVOS:
  bind9 bind9-utils dns-root-data
0 actualizados, 3 nuevos se instalarán, 0 para eliminar y 38 no actualizados.
Se necesita descargar 917 kB de archivos.
Se utilizarán 2.080 kB de espacio de disco adicional después de esta operación.
¿Desea continuar? [S/n] y
Des:1 http://deb.debian.org/debian bookworm/main amd64 bind9-utils amd64 1:9.18.28-1~deb12u2 [413 kB]
Des:2 http://deb.debian.org/debian bookworm/main amd64 dns-root-data all 2024041801~deb12u1 [4.356 B]
Des:3 http://deb.debian.org/debian bookworm/main amd64 bind9 amd64 1:9.18.28-1~deb12u2 [500 kB]
Descargados 917 kB en 0s (3.539 kB/s)
Seleccionando el paquete bind9-utils previamente no seleccionado.
(Leyendo la base de datos ... 36525 ficheros o directorios instalados actualmente.)
Preparando para desempaquetar .../bind9-utils_1%3a9.18.28-1~deb12u2_amd64.deb ...
Desempaquetando bind9-utils (1:9.18.28-1~deb12u2) ...
Seleccionando el paquete dns-root-data previamente no seleccionado.
Preparando para desempaquetar .../dns-root-data_2024041801~deb12u1_all.deb ...
Desempaquetando dns-root-data (2024041801~deb12u1) ...
Seleccionando el paquete bind9 previamente no seleccionado.
Preparando para desempaquetar .../bind9_1%3a9.18.28-1~deb12u2_amd64.deb ...
Desempaquetando bind9 (1:9.18.28-1~deb12u2) ...
Configurando dns-root-data (2024041801~deb12u1) ...
Configurando bind9-utils (1:9.18.28-1~deb12u2) ...
Configurando bind9 (1:9.18.28-1~deb12u2) ...
Añadiendo el grupo `bind' (GID 112) ...
Hecho.
Añadiendo el usuario del sistema `bind' (UID 103) ...
Añadiendo un nuevo usuario `bind' (UID 103) con grupo `bind' ...
No se crea el directorio personal `/var/cache/bind'.
wrote key file "/etc/bind/rndc.key"
named-resolvconf.service is a disabled or a static unit, not starting it.
Created symlink /etc/systemd/system/bind9.service → /lib/systemd/system/named.service.
Created symlink /etc/systemd/system/multi-user.target.wants/named.service → /lib/systemd/system/named.service.
Procesando disparadores para man-db (2.11.2-2) ...
```

3.2- SERVIDOR. Modificamos el archivo `"/etc/bind/named.conf.local"`

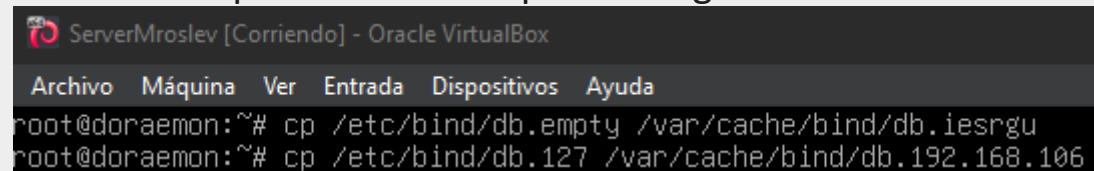


```
ServerMroslev [Corriendo] - Oracle VirtualBox
Archivo  Máquina  Ver  Entrada  Dispositivos  Ayuda
GNU nano 7.2
//
// Do any local configuration here
//
// Consider adding the 1918 zones here, if they are not used in your
// organization
//include "/etc/bind/zones.rfc1918";

zone "iesrgy.com" {
    type master;
    file "db.iesrgu";
};

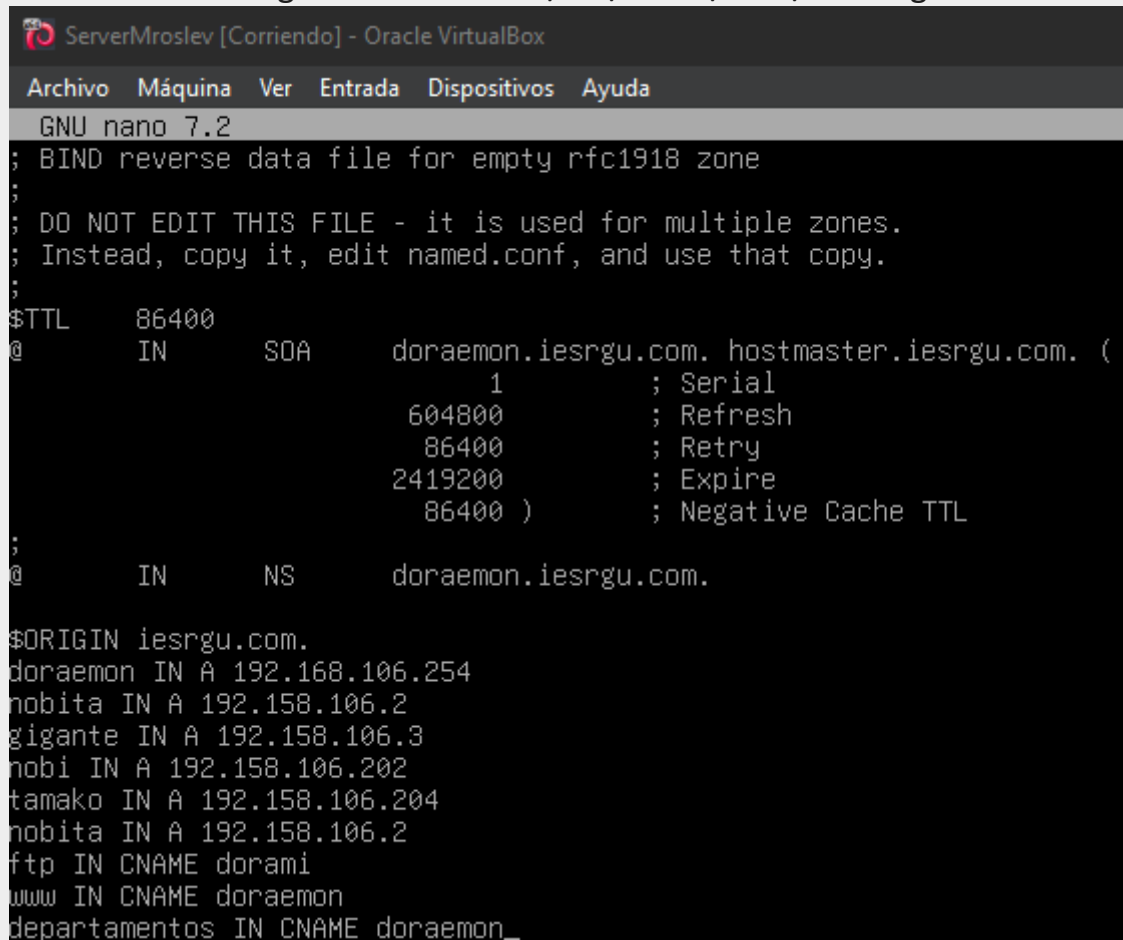
zone "222.168.192.in-addr.arpa" {
    type master;
    file "db.192.168.106_";
};
```

3.3- SERVIDOR. Copiar los archivos para configurar:



```
ServerMroslev [Corriendo] - Oracle VirtualBox
Archivo  Máquina  Ver  Entrada  Dispositivos  Ayuda
root@doraemon:~# cp /etc/bind/db.empty /var/cache/bind/db.iesrgu
root@doraemon:~# cp /etc/bind/db.127 /var/cache/bind/db.192.168.106
```

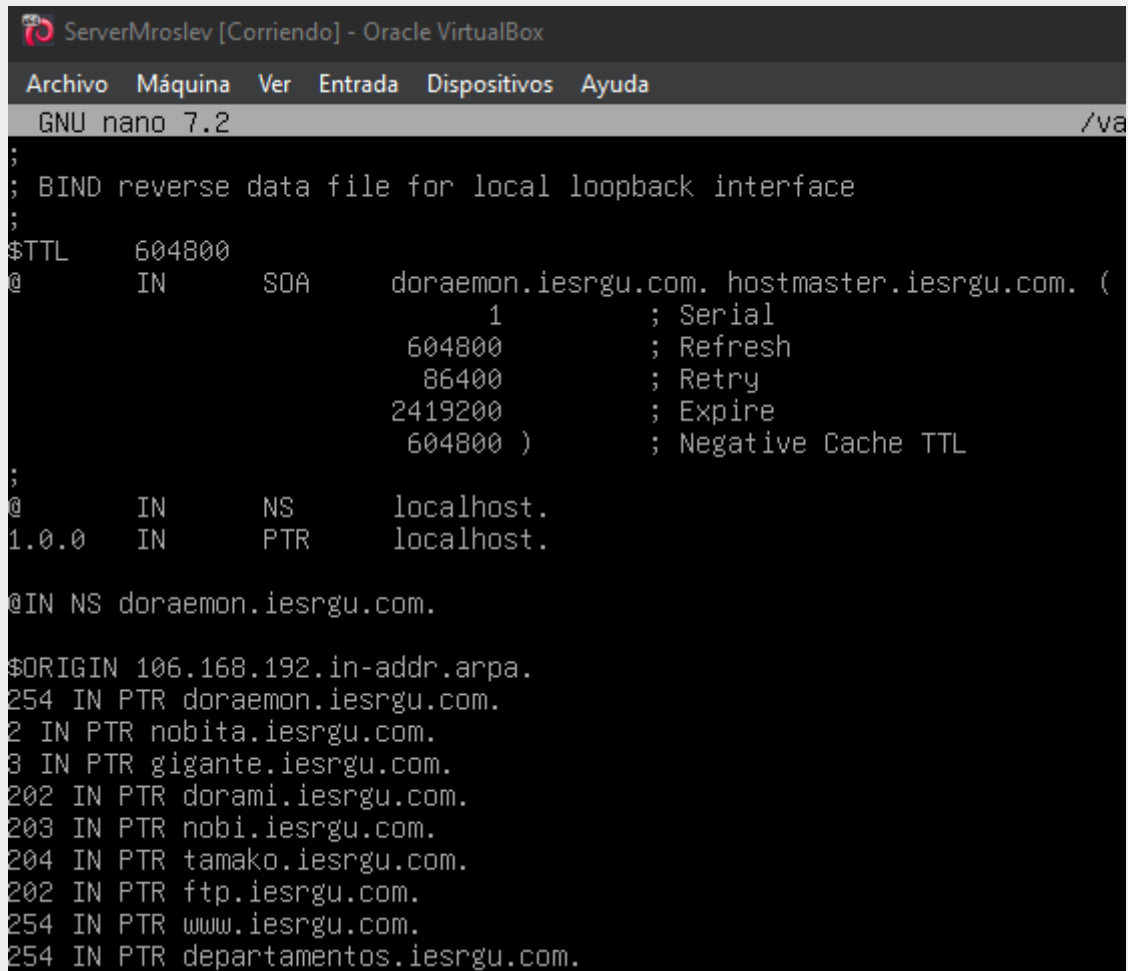
3.4- SERVIDOR. Configuración de nano /var/cache/bind/db.iesrgu:



```
ServerMroslev [Corriendo] - Oracle VirtualBox
Archivo  Máquina  Ver  Entrada  Dispositivos  Ayuda
GNU nano 7.2
; BIND reverse data file for empty rfc1918 zone
;
; DO NOT EDIT THIS FILE - it is used for multiple zones.
; Instead, copy it, edit named.conf, and use that copy.
;
$TTL      86400
@          IN      SOA      doraemon.iesrgu.com. hostmaster.iesrgu.com. (
                                1          ; Serial
                                604800     ; Refresh
                                86400      ; Retry
                                2419200    ; Expire
                                86400 )    ; Negative Cache TTL
;
@          IN      NS       doraemon.iesrgu.com.

$ORIGIN iesrgu.com.
doraemon IN A 192.168.106.254
nobita   IN A 192.158.106.2
gigante  IN A 192.158.106.3
nobi     IN A 192.158.106.202
tamako   IN A 192.158.106.204
nobita   IN A 192.158.106.2
ftp      IN CNAME dorami
www      IN CNAME doraemon
departamentos IN CNAME doraemon_
```

3.5- SERVIDOR. Modificamos el fichero de resolución inversa:

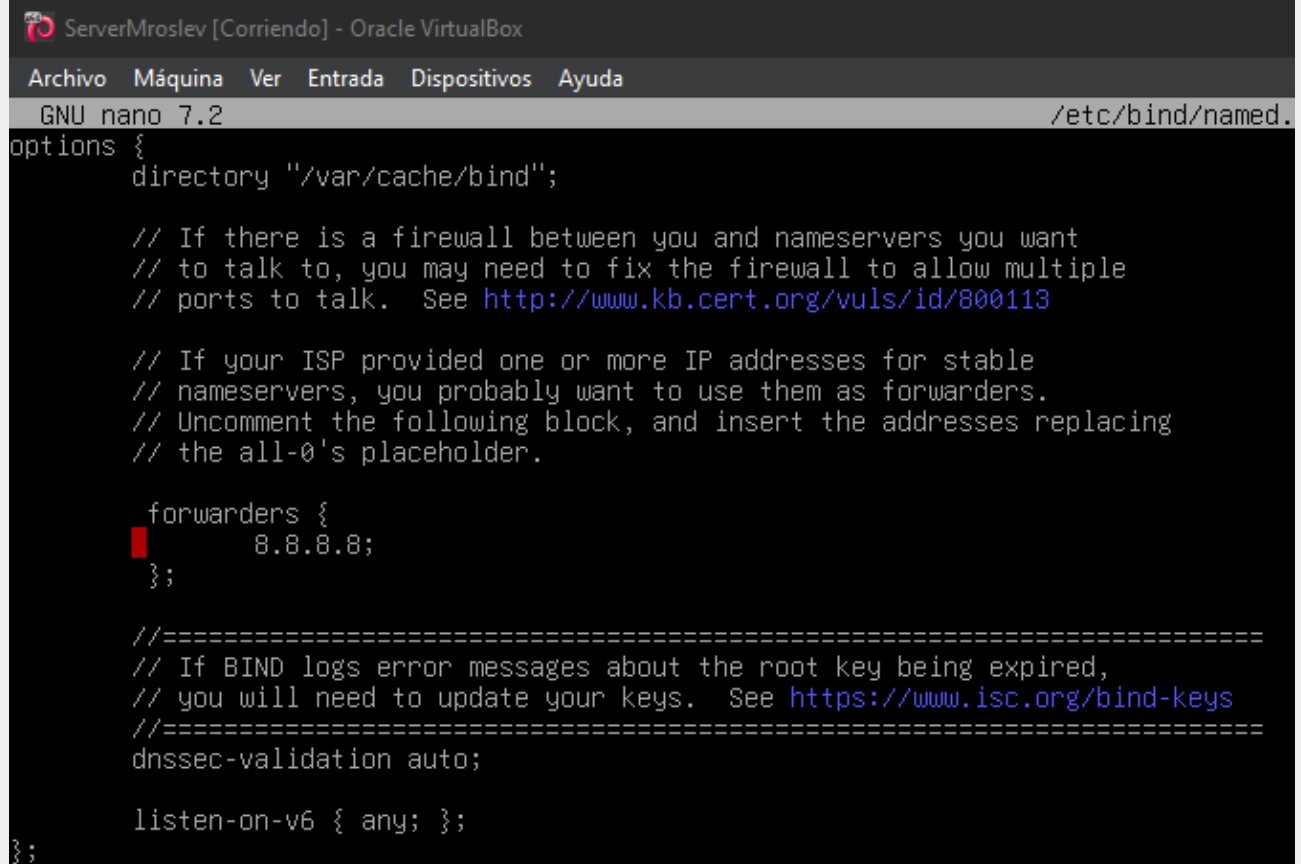


```
ServerMroslev [Corriendo] - Oracle VirtualBox
Archivo  Máquina  Ver  Entrada  Dispositivos  Ayuda
GNU nano 7.2 /va
;
; BIND reverse data file for local loopback interface
;
$TTL      604800
@         IN      SOA      doraemon.iesrgu.com. hostmaster.iesrgu.com. (
                                1          ; Serial
                                604800     ; Refresh
                                86400      ; Retry
                                2419200    ; Expire
                                604800 )   ; Negative Cache TTL
;
@         IN      NS       localhost.
1.0.0     IN      PTR      localhost.

@IN NS doraemon.iesrgu.com.

$ORIGIN 106.168.192.in-addr.arpa.
254 IN PTR doraemon.iesrgu.com.
2  IN PTR nobita.iesrgu.com.
3  IN PTR gigante.iesrgu.com.
202 IN PTR dorami.iesrgu.com.
203 IN PTR nobi.iesrgu.com.
204 IN PTR tamako.iesrgu.com.
202 IN PTR ftp.iesrgu.com.
254 IN PTR www.iesrgu.com.
254 IN PTR departamentos.iesrgu.com.
```


3.6- SERVIDOR. Configuración del reenviador /etc/bind/named.conf.options:



```
ServerMroslev [Corriendo] - Oracle VirtualBox
Archivo  Máquina  Ver  Entrada  Dispositivos  Ayuda
GNU nano 7.2 /etc/bind/named.conf.options
options {
    directory "/var/cache/bind";

    // If there is a firewall between you and nameservers you want
    // to talk to, you may need to fix the firewall to allow multiple
    // ports to talk.  See http://www.kb.cert.org/vuls/id/800113

    // If your ISP provided one or more IP addresses for stable
    // nameservers, you probably want to use them as forwarders.
    // Uncomment the following block, and insert the addresses replacing
    // the all-0's placeholder.

    forwarders {
        8.8.8.8;
    };

    //=====
    // If BIND logs error messages about the root key being expired,
    // you will need to update your keys.  See https://www.isc.org/bind-keys
    //=====
    dnssec-validation auto;

    listen-on-v6 { any; };
};
```

3.7- SERVIDOR. Modificamos el servicio DHCP con la nueva DNS

```

ServerMroslev [Corriendo] - Oracle VirtualBox
Archivo  Máquina  Ver  Entrada  Dispositivos  Ayuda
GNU nano 7.2 /etc
# to which a BOOTP client is connected which has the dynamic-bootp flag
# set.
#host fantasia {
#   hardware ethernet 08:00:07:26:c0:a5;
#   fixed-address fantasia.example.com;
#}

# You can declare a class of clients and then do address allocation
# based on that.  The example below shows a case where all clients
# in a certain class get addresses on the 10.17.224/24 subnet, and all
# other clients get addresses on the 10.0.29/24 subnet.

#class "foo" {
#   match if substring (option vendor-class-identifier, 0, 4) = "SUNW";
#}

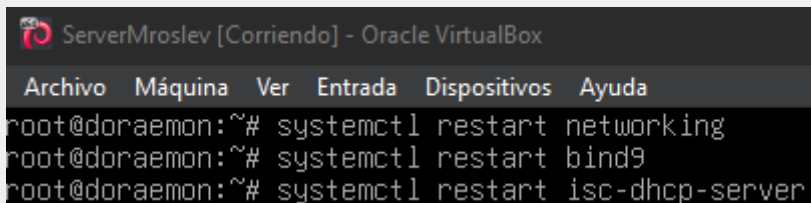
#shared-network 224-29 {
#   subnet 10.17.224.0 netmask 255.255.255.0 {
#       option routers rtr-224.example.org;
#   }
#   subnet 10.0.29.0 netmask 255.255.255.0 {
#       option routers rtr-29.example.org;
#   }
#   pool {
#       allow members of "foo";
#       range 10.17.224.10 10.17.224.250;
#   }
#   pool {
#       deny members of "foo";
#       range 10.0.29.10 10.0.29.230;
#   }
#}

subnet 192.168.106.0 netmask 255.255.255.0 {
    range 192.168.106.60 192.168.106.90;
    option routers 192.168.106.254;
    option broadcast-address 192.168.106.255;
    option domain-name-servers 192.168.106.254;
    option domain-name "iesrgu.com";
}

#Reserva de direccion
host ClientMroslev{
    hardware ethernet 08:00:27:5b:b8:5b;
    fixed-address 192.168.106.21;
}

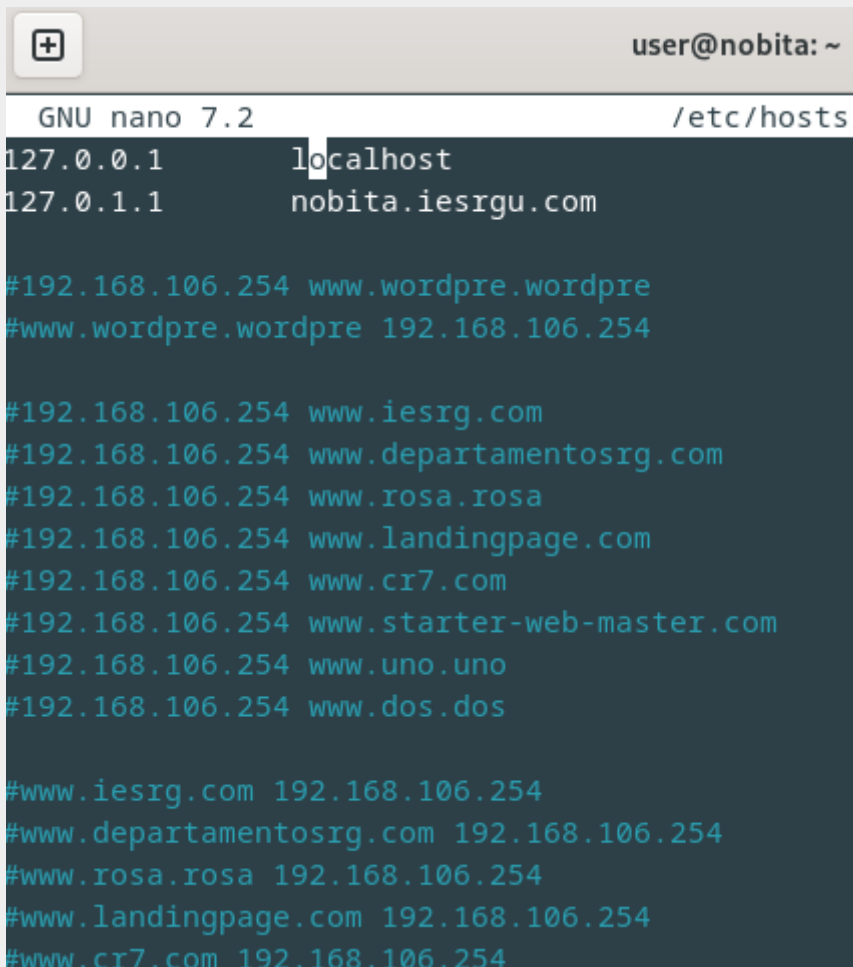
```

3.8- SERVIDOR. Reload de los servicios:



```
ServerMroslev [Corriendo] - Oracle VirtualBox
Archivo  Máquina  Ver  Entrada  Dispositivos  Ayuda
root@doraemon:~# systemctl restart networking
root@doraemon:~# systemctl restart bind9
root@doraemon:~# systemctl restart isc-dhcp-server
```

3.9- SERVIDOR. Comentamos las direcciones “hosts” en el cliente:



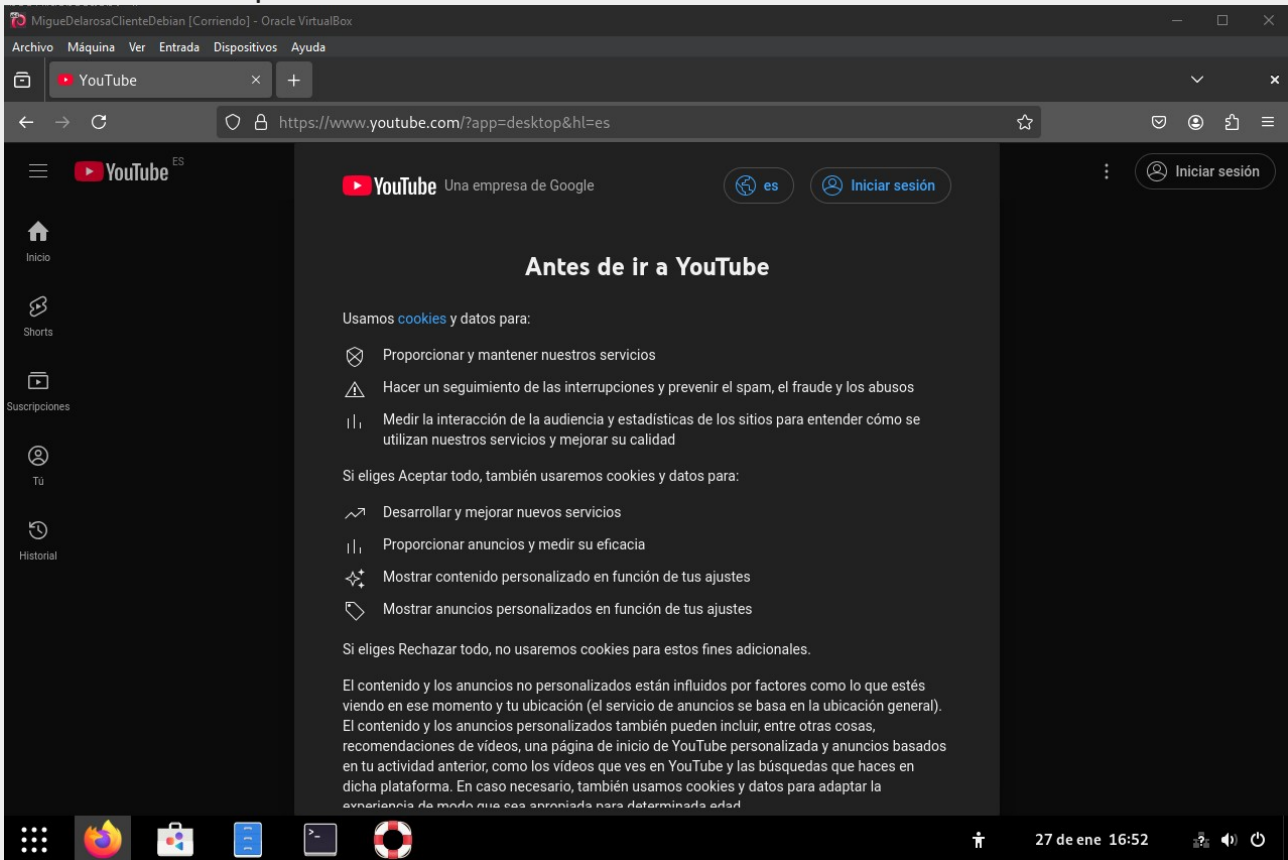
```
user@nobita: ~
GNU nano 7.2 /etc/hosts
127.0.0.1    localhost
127.0.1.1    nobita.iesrgu.com

#192.168.106.254 www.wordpre.wordpre
#www.wordpre.wordpre 192.168.106.254

#192.168.106.254 www.iesrg.com
#192.168.106.254 www.departamentosrg.com
#192.168.106.254 www.rosa.rosa
#192.168.106.254 www.landingpage.com
#192.168.106.254 www.cr7.com
#192.168.106.254 www.starter-web-master.com
#192.168.106.254 www.uno.uno
#192.168.106.254 www.dos.dos

#www.iesrg.com 192.168.106.254
#www.departamentosrg.com 192.168.106.254
#www.rosa.rosa 192.168.106.254
#www.landingpage.com 192.168.106.254
#www.cr7.com 192.168.106.254
```

4- CLIENTE. Comprobación del DNS:



Como se puede apreciar se puede acceder a la perfección a youtube con el DNS configurado.

5.1- CLIENTE (nobita). Dig a “doraemon.iesrgu.com”

```

MiguelDelarosaClienteDebian [Corriendo] - Oracle VirtualBox
Archivo Máquina Ver Entrada Dispositivos Ayuda

user@nobita: ~

root@nobita:~# dig doraemon.iesrgu.com

;<<>> DiG 9.18.28-1~deb12u2-Debian <<>> doraemon.iesrgu.com
;; global options: +cmd
;; Got answer:
;; ->>HEADER<<- opcode: QUERY, status: NXDOMAIN, id: 22562
;; flags: qr rd ra; QUERY: 1, ANSWER: 0, AUTHORITY: 1, ADDITIONAL: 1

;; OPT PSEUDOSECTION:
;; EDNS: version: 0, flags:; udp: 1232
;; COOKIE: de4df5f4a2e3b1b501000006797ac1427451b8fb39fd0c0 (good)
;; QUESTION SECTION:
;doraemon.iesrgu.com.          IN      A

;; AUTHORITY SECTION:
com.                900     IN      SOA     a.gtld-servers.net. nstld.verisign-grs.com. 1737993208 1800 900 604800 900

;; Query time: 60 msec
;; SERVER: 192.168.106.254#53(192.168.106.254) (UDP)
;; WHEN: Mon Jan 27 16:53:56 CET 2025
;; MSG SIZE rcvd: 155

```

5.2- CLIENTE (nobita). Dig a “www.iesrgu.com”

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

user@nobita: ~

root@nobita:~# dig www.iesrgu.com

; <<>> DiG 9.18.28-1~deb12u2-Debian <<>> www.iesrgu.com
;; global options: +cmd
;; Got answer:
;; ->>HEADER<<- opcode: QUERY, status: NXDOMAIN, id: 18819
;; flags: qr rd ra; QUERY: 1, ANSWER: 0, AUTHORITY: 1, ADDITIONAL: 1

;; OPT PSEUDOSECTION:
;; EDNS: version: 0, flags:; udp: 1232
;; COOKIE: cb192008731ba1f6010000006797ac77b82648db5c72aa01 (good)
;; QUESTION SECTION:
;www.iesrgu.com.                IN      A

;; AUTHORITY SECTION:
com.                900      IN      SOA     a.gtld-servers.net. nstld.verisign-grs.com. 1737993318 1800 900 604800 900

;; Query time: 64 msec
;; SERVER: 192.168.106.254#53(192.168.106.254) (UDP)
;; WHEN: Mon Jan 27 16:55:35 CET 2025
;; MSG SIZE rcvd: 150
```

5.3- CLIENTE (nobita). Dig a “ftp.iesrgu.com”

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

user@nobita: ~

root@nobita:~# dig ftp.iesrgu.com

; <<>> DiG 9.18.28-1~deb12u2-Debian <<>> ftp.iesrgu.com
;; global options: +cmd
;; Got answer:
;; ->>HEADER<<- opcode: QUERY, status: NXDOMAIN, id: 24298
;; flags: qr rd ra; QUERY: 1, ANSWER: 0, AUTHORITY: 1, ADDITIONAL: 1

;; OPT PSEUDOSECTION:
;; EDNS: version: 0, flags:; udp: 1232
;; COOKIE: 4a2c1ed863fe402e010000006797acd0da3158a321427ab1 (good)
;; QUESTION SECTION:
;ftp.iesrgu.com.                IN      A

;; AUTHORITY SECTION:
com.                900      IN      SOA     a.gtld-servers.net. nstld.verisign-grs.com. 1737993408 1800 900 604800 900

;; Query time: 48 msec
;; SERVER: 192.168.106.254#53(192.168.106.254) (UDP)
;; WHEN: Mon Jan 27 16:57:04 CET 2025
;; MSG SIZE rcvd: 150
```

5.4- CLIENTE (nobita). Dig a “nobita.iesrgu.com”

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

user@nobita: ~

root@nobita:~# dig nobita.iesrgu.com

; <<>> DiG 9.18.28-1~deb12u2-Debian <<>> nobita.iesrgu.com
;; global options: +cmd
;; Got answer:
;; ->>HEADER<<- opcode: QUERY, status: NXDOMAIN, id: 21262
;; flags: qr rd ra; QUERY: 1, ANSWER: 0, AUTHORITY: 1, ADDITIONAL: 1

;; OPT PSEUDOSECTION:
;; EDNS: version: 0, flags:; udp: 1232
;; COOKIE: b239af9205875cd3010000006797aceb76ef558bd1288137 (good)
;; QUESTION SECTION:
;nobita.iesrgu.com.                IN      A

;; AUTHORITY SECTION:
com.                483      IN      SOA     a.gtld-servers.net. nstld.verisign-grs.com. 1737993013 1800 900 604800 900

;; Query time: 0 msec
;; SERVER: 192.168.106.254#53(192.168.106.254) (UDP)
;; WHEN: Mon Jan 27 16:57:31 CET 2025
;; MSG SIZE rcvd: 153
```

5.5- CLIENTE (nobita). Dig al servidor DNS

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

user@nobita: ~

root@nobita:~# dig iesrgu.com NS

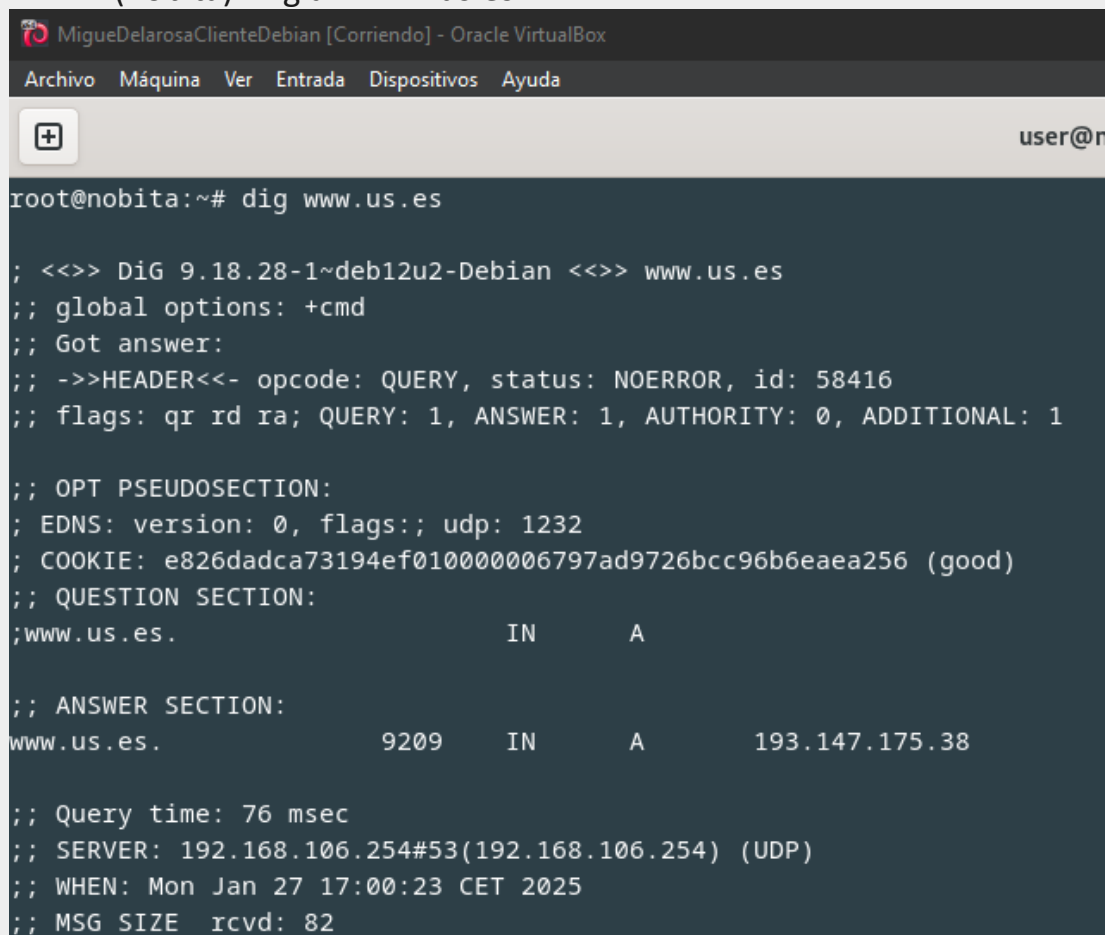
; <<>> DiG 9.18.28-1~deb12u2-Debian <<>> iesrgu.com NS
;; global options: +cmd
;; Got answer:
;; ->>HEADER<<- opcode: QUERY, status: NXDOMAIN, id: 29972
;; flags: qr rd ra; QUERY: 1, ANSWER: 0, AUTHORITY: 1, ADDITIONAL: 1

;; OPT PSEUDOSECTION:
;; EDNS: version: 0, flags:; udp: 1232
;; COOKIE: 1eb85acf4046b8c6010000006797ad0f242075c5e6942855 (good)
;; QUESTION SECTION:
;iesrgu.com.                IN      NS

;; AUTHORITY SECTION:
com.                900      IN      SOA     a.gtld-servers.net. nstld.verisign-grs.com. 1737993468 1800 900 604800 900

;; Query time: 60 msec
;; SERVER: 192.168.106.254#53(192.168.106.254) (UDP)
;; WHEN: Mon Jan 27 16:58:07 CET 2025
;; MSG SIZE rcvd: 143
```

5.6- CLIENTE (nobita). Dig a “www.us.es”



```

MiguelDelarosaClienteDebian [Corriendo] - Oracle VirtualBox
Archivo  Máquina  Ver  Entrada  Dispositivos  Ayuda

user@r

root@nobita:~# dig www.us.es

; <<>> DiG 9.18.28-1~deb12u2-Debian <<>> www.us.es
;; global options: +cmd
;; Got answer:
;; ->>HEADER<<- opcode: QUERY, status: NOERROR, id: 58416
;; flags: qr rd ra; QUERY: 1, ANSWER: 1, AUTHORITY: 0, ADDITIONAL: 1

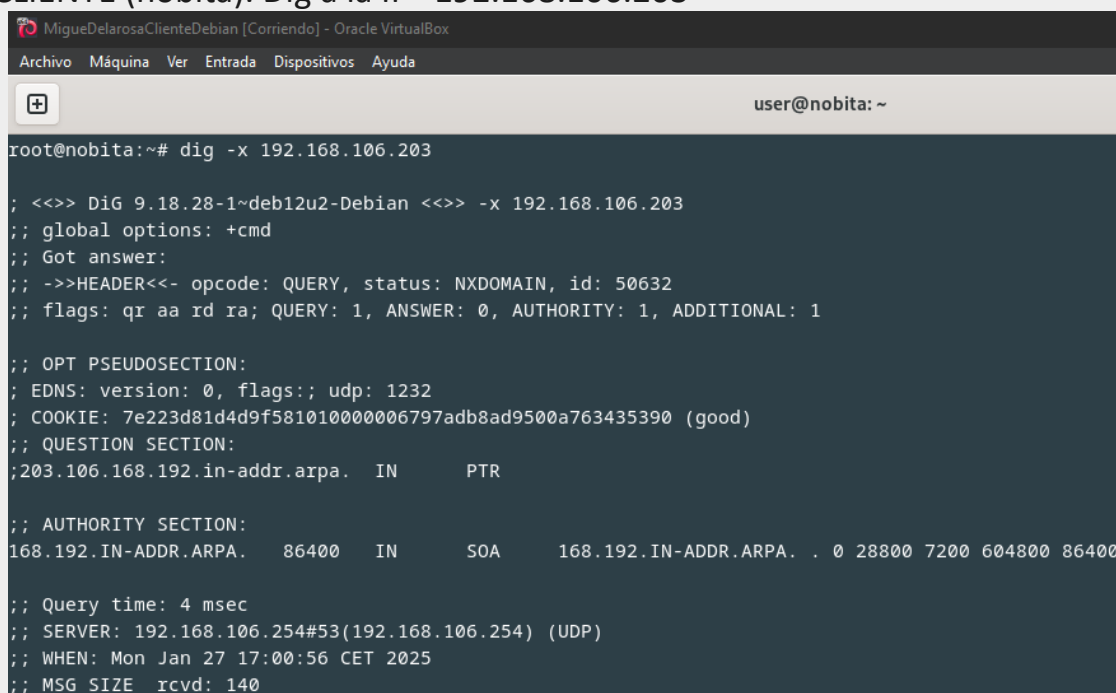
;; OPT PSEUDOSECTION:
; EDNS: version: 0, flags:; udp: 1232
; COOKIE: e826dadca73194ef010000006797ad9726bcc96b6eaea256 (good)
;; QUESTION SECTION:
;www.us.es.                IN      A

;; ANSWER SECTION:
www.us.es.                 9209    IN      A      193.147.175.38

;; Query time: 76 msec
;; SERVER: 192.168.106.254#53(192.168.106.254) (UDP)
;; WHEN: Mon Jan 27 17:00:23 CET 2025
;; MSG SIZE rcvd: 82

```

5.7- CLIENTE (nobita). Dig a la IP “192.168.106.203”



```

MiguelDelarosaClienteDebian [Corriendo] - Oracle VirtualBox
Archivo  Máquina  Ver  Entrada  Dispositivos  Ayuda

user@nobita: ~

root@nobita:~# dig -x 192.168.106.203

; <<>> DiG 9.18.28-1~deb12u2-Debian <<>> -x 192.168.106.203
;; global options: +cmd
;; Got answer:
;; ->>HEADER<<- opcode: QUERY, status: NXDOMAIN, id: 50632
;; flags: qr aa rd ra; QUERY: 1, ANSWER: 0, AUTHORITY: 1, ADDITIONAL: 1

;; OPT PSEUDOSECTION:
; EDNS: version: 0, flags:; udp: 1232
; COOKIE: 7e223d81d4d9f581010000006797adb8ad9500a763435390 (good)
;; QUESTION SECTION:
;203.106.168.192.in-addr.arpa.  IN      PTR

;; AUTHORITY SECTION:
168.192.IN-ADDR.ARPA.      86400   IN      SOA     168.192.IN-ADDR.ARPA. . 0 28800 7200 604800 86400

;; Query time: 4 msec
;; SERVER: 192.168.106.254#53(192.168.106.254) (UDP)
;; WHEN: Mon Jan 27 17:00:56 CET 2025
;; MSG SIZE rcvd: 140

```