

Despliegue aplicaciones web - Anton Blagodarnyy

Tarea 3 \_ Tema 3

## 1.-Configuramos el archivo named.conf.acl

```
ubuntu@ubuntu2204: ~$ sudo nano /etc/bind/named.conf.acl

* Support: https://ubuntu.com/advantage

System information as of Tue Feb 18 07:47:59 PM UTC 2025

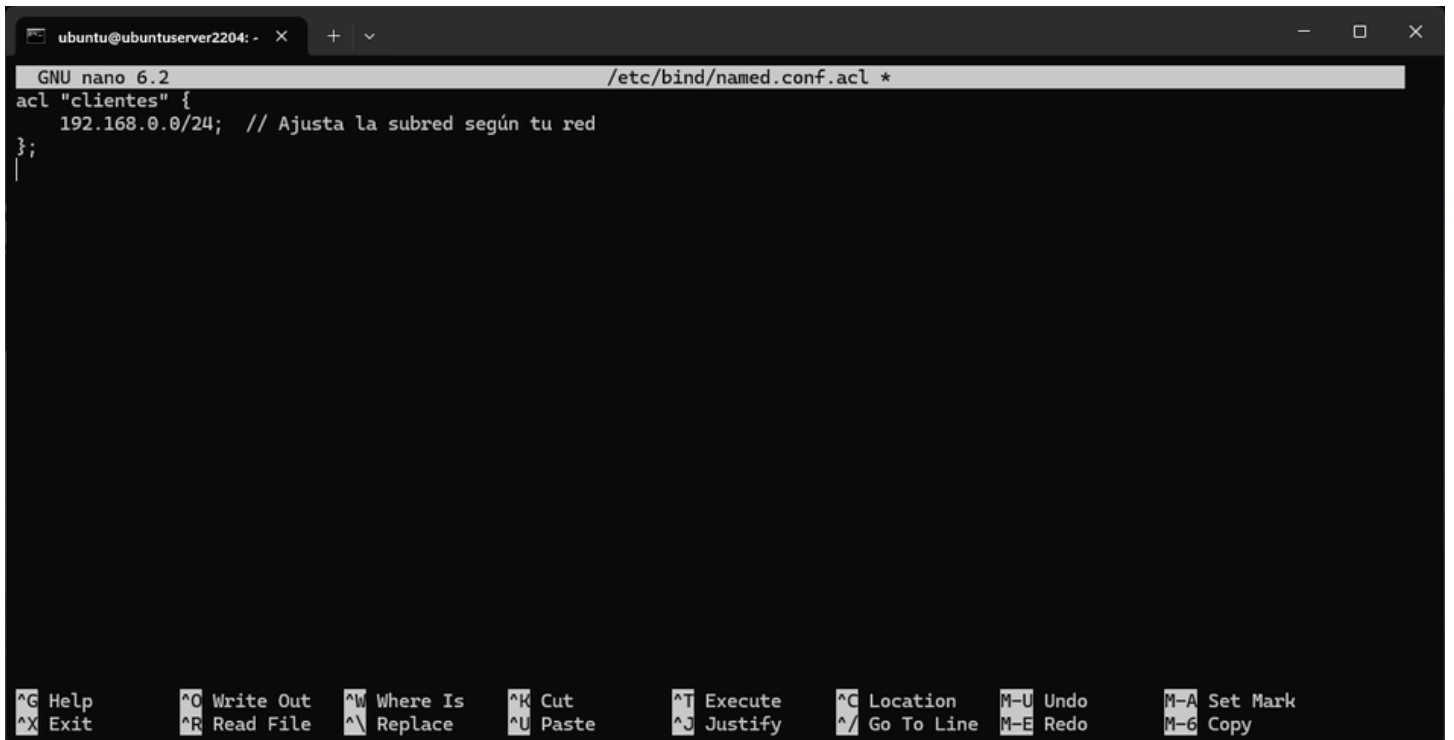
System load: 0.26708984375
Usage of /: 4.9% of 97.87GB
Memory usage: 10%
Swap usage: 0%
Processes: 123
Users logged in: 1
IPv4 address for enp0s3: 10.0.2.15
IPv6 address for enp0s3: fd00::a00:27ff:fe0b:1b85
IPv4 address for enp0s8: 192.168.56.102

280 updates can be applied immediately.
199 of these updates are standard security updates.
To see these additional updates run: apt list --upgradable

The list of available updates is more than a week old.
To check for new updates run: sudo apt update
New release '24.04.1 LTS' available.
Run 'do-release-upgrade' to upgrade to it.

Last login: Tue Feb 18 19:44:19 2025
ubuntu@ubuntu2204:~$ sudo nano /etc/bind/named.conf.acl
```

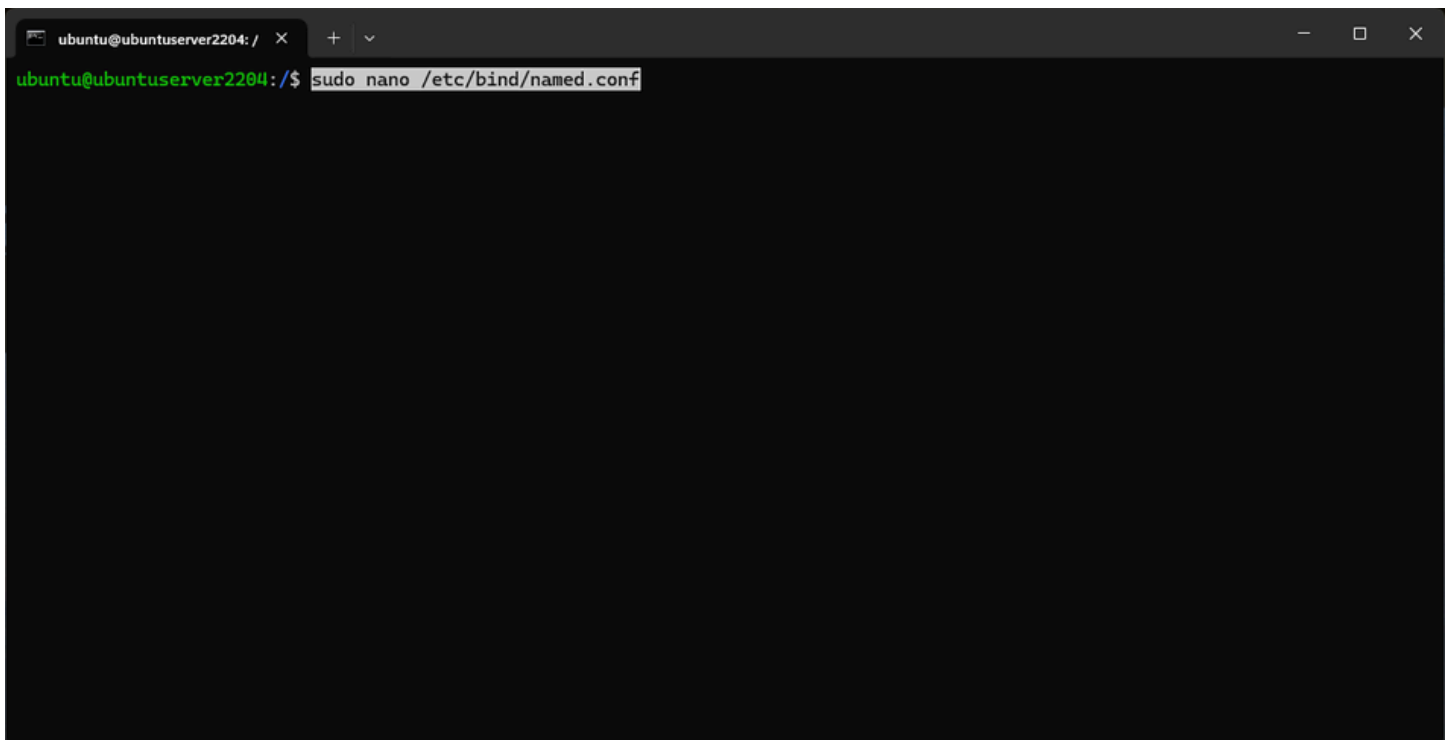
2.-Le añadimos la siguiente linea.



```
ubuntu@ubuntu2204: ~$ nano /etc/bind/named.conf.acl
GNU nano 6.2 /etc/bind/named.conf.acl *
acl "clientes" {
    192.168.0.0/24; // Ajusta la subred según tu red
};
|
```

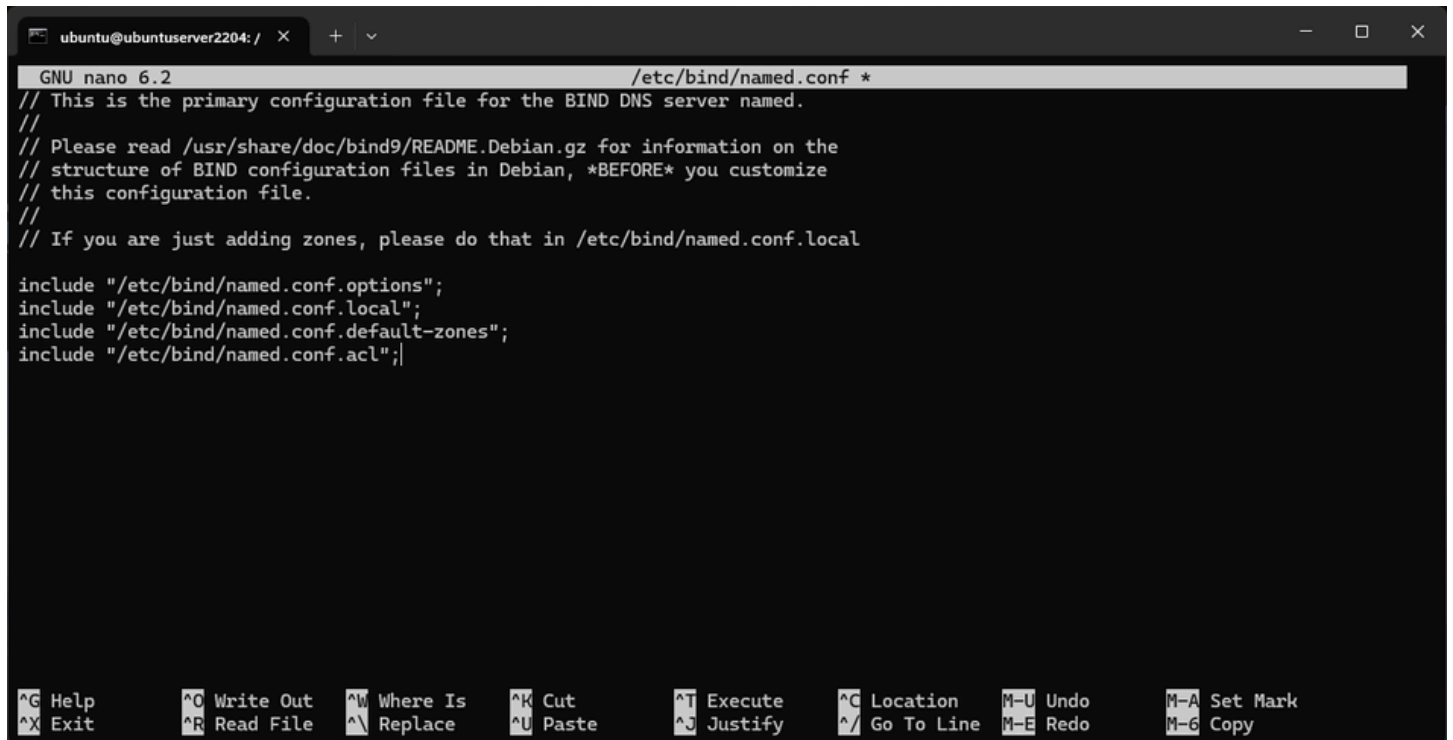
^G Help   ^O Write Out   ^W Where Is   ^K Cut   ^T Execute   ^C Location   M-U Undo   M-A Set Mark  
^X Exit   ^R Read File   ^\ Replace   ^U Paste   ^J Justify   ^\_ Go To Line   M-E Redo   M-6 Copy

3.-Configuramos el archivo named.conf



```
ubuntu@ubuntu2204: ~$ sudo nano /etc/bind/named.conf
```

4.-Le añadimos los include.

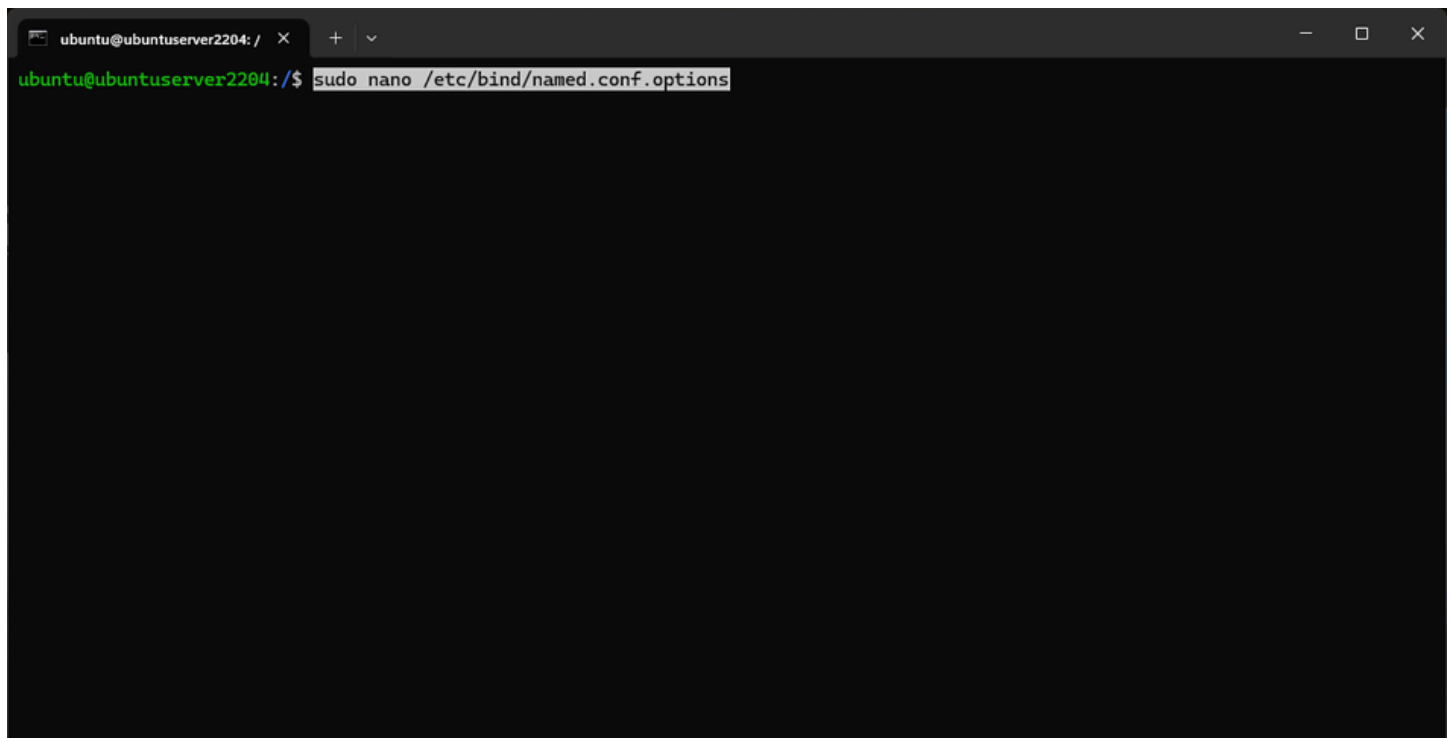


```
GNU nano 6.2 /etc/bind/named.conf *
// This is the primary configuration file for the BIND DNS server named.
//
// Please read /usr/share/doc/bind9/README.Debian.gz for information on the
// structure of BIND configuration files in Debian, *BEFORE* you customize
// this configuration file.
//
// If you are just adding zones, please do that in /etc/bind/named.conf.local

include "/etc/bind/named.conf.options";
include "/etc/bind/named.conf.local";
include "/etc/bind/named.conf.default-zones";
include "/etc/bind/named.conf.acl";

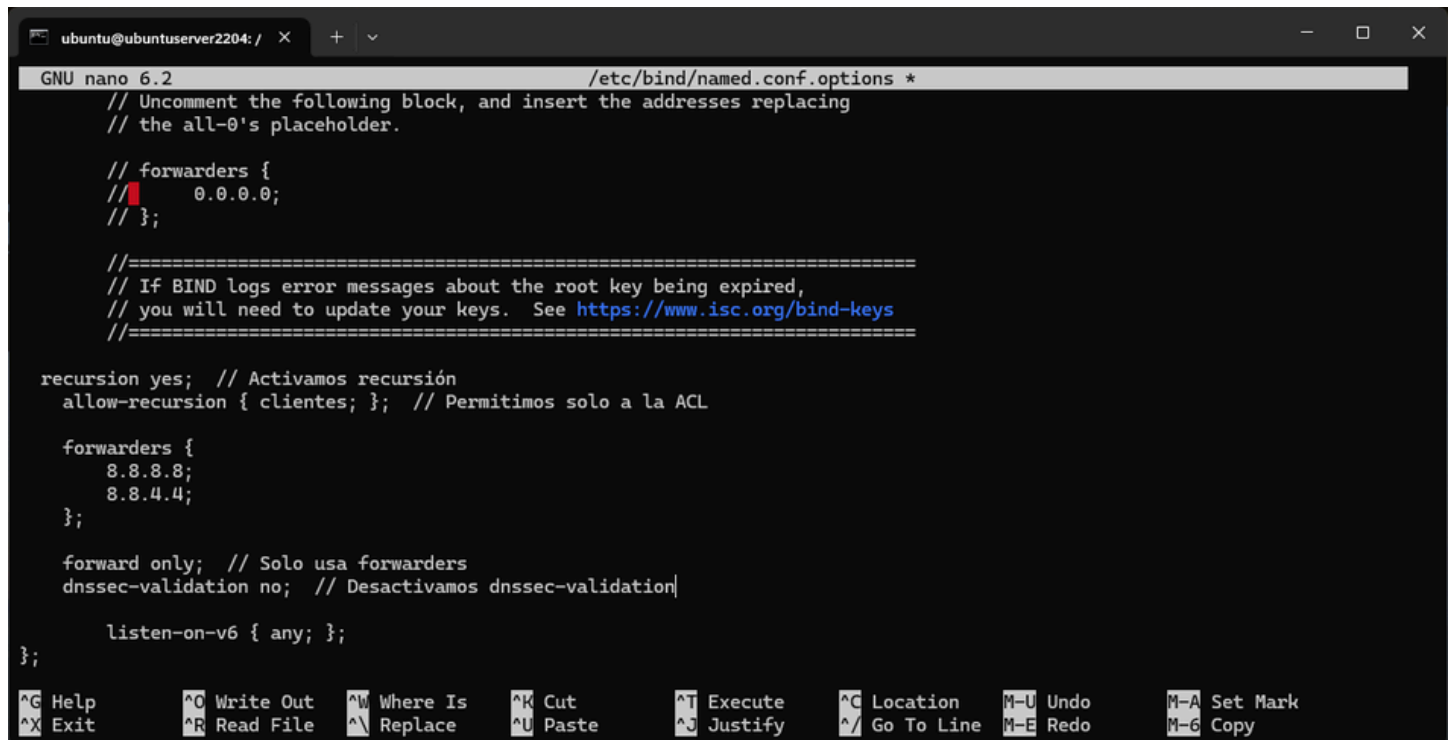
^G Help      ^O Write Out  ^W Where Is   ^K Cut        ^T Execute    ^C Location   M-U Undo      M-A Set Mark
^X Exit      ^R Read File  ^_ Replace    ^U Paste      ^J Justify    ^_ Go To Line M-E Redo      M-6 Copy
```

5.-Configuramos el archivo named.conf.options



```
ubuntu@ubuntu2204: / $ sudo nano /etc/bind/named.conf.options
```

6.-Le añadimos la siguiente configuracion.



```
GNU nano 6.2 /etc/bind/named.conf.options *
// Uncomment the following block, and insert the addresses replacing
// the all-0's placeholder.

// forwarders {
//      0.0.0.0;
// };

//=====
// 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
//=====

recursion yes; // Activamos recursión
allow-recursion { clientes; }; // Permitimos solo a la ACL

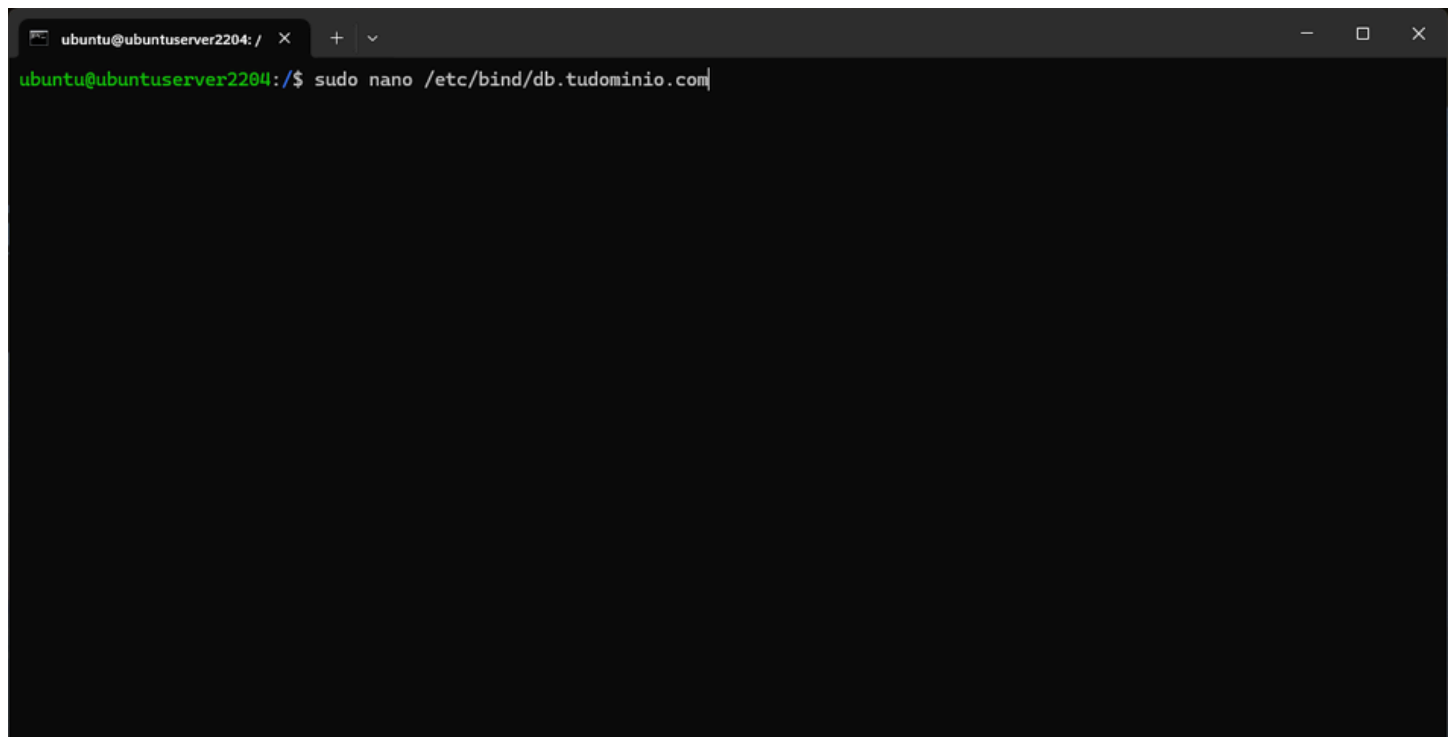
forwarders {
    8.8.8.8;
    8.8.4.4;
};

forward only; // Solo usa forwarders
dnssec-validation no; // Desactivamos dnssec-validation

listen-on-v6 { any; };

^G Help      ^O Write Out  ^W Where Is   ^K Cut        ^T Execute    ^C Location   M-U Undo      M-A Set Mark
^X Exit      ^R Read File  ^_ Replace    ^U Paste      ^J Justify    ^_ Go To Line M-E Redo      M-G Copy
```

7.-configuramos el archivo db.tudominio.com



```
ubuntu@ubuntu2204: / $ sudo nano /etc/bind/db.tudominio.com
```

8.-Añadimos la resolución de ip.

```
ubuntu@ubuntu2204: / X + v
GNU nano 6.2 /etc/bind/db.tudominio.com *
www      IN      CNAME  tudominio.com.
correo   IN      A       192.168.56.102 ; IP ficticia, cámbiala según tu red
@         IN      MX 10   correo.tudominio.com.
www       IN      TXT     "Servidor Apache"
ns1       IN      TXT     "Servidor DNS"

^G Help      ^O Write Out ^W Where Is   ^K Cut        ^T Execute    ^C Location   M-U Undo      M-A Set Mark
^X Exit      ^R Read File ^N Replace    ^U Paste      ^J Justify    ^_/ Go To Line  M-E Redo      M-G Copy
```

9.-Comprobamos que funciona haciendo dig.

```
ubuntu@ubuntu2204: / X + v
ubuntu@ubuntu2204:/$ dig @127.0.0.1 tudominio.com

; <<>> DiG 9.18.30-0ubuntu0.22.04.2-Ubuntu <<>> @127.0.0.1 tudominio.com
; (1 server found)
;; global options: +cmd
;; Got answer:
;; ->>HEADER<<- opcode: QUERY, status: REFUSED, id: 60823
;; flags: qr rd; QUERY: 1, ANSWER: 0, AUTHORITY: 0, ADDITIONAL: 1
;; WARNING: recursion requested but not available

;; OPT PSEUDOSECTION:
; EDNS: version: 0, flags:; udp: 1232
; COOKIE: c2f42810f0bb93ba0100000067b4e8b8d6a2b6bf48ad16fc (good)
; EDE: 18 (Prohibited)
;; QUESTION SECTION:
;tudominio.com.                IN      A

;; Query time: 4 msec
;; SERVER: 127.0.0.1#53(127.0.0.1) (UDP)
;; WHEN: Tue Feb 18 20:08:24 UTC 2025
;; MSG SIZE rcvd: 76

ubuntu@ubuntu2204:/$ |
```

```

ubuntu@ubuntu2204: / X + v
;; Query time: 4 msec
;; SERVER: 127.0.0.1#53(127.0.0.1) (UDP)
;; WHEN: Tue Feb 18 20:08:24 UTC 2025
;; MSG SIZE rcvd: 76

ubuntu@ubuntu2204:/$ dig @127.0.0.1 www.tudominio.com

; <<>> DiG 9.18.30-0ubuntu0.22.04.2-Ubuntu <<>> @127.0.0.1 www.tudominio.com
; (1 server found)
; global options: +cmd
; Got answer:
; ->>HEADER<<- opcode: QUERY, status: REFUSED, id: 51463
; flags: qr rd; QUERY: 1, ANSWER: 0, AUTHORITY: 0, ADDITIONAL: 1
; WARNING: recursion requested but not available

;; OPT PSEUDOSECTION:
; EDNS: version: 0, flags:; udp: 1232
; COOKIE: 38833be1b22f8150100000067b4e908545dfe2d8db08b9a (good)
; EDE: 18 (Prohibited)
; QUESTION SECTION:
;www.tudominio.com.          IN      A

;; Query time: 0 msec
;; SERVER: 127.0.0.1#53(127.0.0.1) (UDP)
;; WHEN: Tue Feb 18 20:09:44 UTC 2025
;; MSG SIZE rcvd: 80

ubuntu@ubuntu2204:/$ |

```

```

ubuntu@ubuntu2204: / X + v
;; Query time: 0 msec
;; SERVER: 127.0.0.1#53(127.0.0.1) (UDP)
;; WHEN: Tue Feb 18 20:09:44 UTC 2025
;; MSG SIZE rcvd: 80

ubuntu@ubuntu2204:/$ dig @127.0.0.1 correo.tudominio.com MX

; <<>> DiG 9.18.30-0ubuntu0.22.04.2-Ubuntu <<>> @127.0.0.1 correo.tudominio.com MX
; (1 server found)
; global options: +cmd
; Got answer:
; ->>HEADER<<- opcode: QUERY, status: REFUSED, id: 7315
; flags: qr rd; QUERY: 1, ANSWER: 0, AUTHORITY: 0, ADDITIONAL: 1
; WARNING: recursion requested but not available

;; OPT PSEUDOSECTION:
; EDNS: version: 0, flags:; udp: 1232
; COOKIE: 03255d608bb58d5f0100000067b4e91f89a6dad31c68aefa (good)
; EDE: 18 (Prohibited)
; QUESTION SECTION:
;correo.tudominio.com.      IN      MX

;; Query time: 3 msec
;; SERVER: 127.0.0.1#53(127.0.0.1) (UDP)
;; WHEN: Tue Feb 18 20:10:07 UTC 2025
;; MSG SIZE rcvd: 83

ubuntu@ubuntu2204:/$ ^C
ubuntu@ubuntu2204:/$ |

```

```
ubuntu@ubuntu02204: / X + v
;; Query time: 3 msec
;; SERVER: 127.0.0.1#53(127.0.0.1) (UDP)
;; WHEN: Tue Feb 18 20:10:07 UTC 2025
;; MSG SIZE rcvd: 83

ubuntu@ubuntu02204:/$ ^C
ubuntu@ubuntu02204:/$ dig @127.0.0.1 ns1.tudominio.com TXT

; <<>> DiG 9.18.30-ubuntu0.22.04.2-Ubuntu <<>> @127.0.0.1 ns1.tudominio.com TXT
; (1 server found)
; global options: +cmd
; Got answer:
; -->HEADER<-- opcode: QUERY, status: REFUSED, id: 23980
; flags: qr rd; QUERY: 1, ANSWER: 0, AUTHORITY: 0, ADDITIONAL: 1
; WARNING: recursion requested but not available

; OPT PSEUDOSECTION:
; EDNS: version: 0, flags:; udp: 1232
; COOKIE: 17d27a74bf3968ce0100000067b4e93d2c75118ecbc2dbb9 (good)
; EDE: 18 (Prohibited)
; QUESTION SECTION:
;ns1.tudominio.com.          IN      TXT

;; Query time: 3 msec
;; SERVER: 127.0.0.1#53(127.0.0.1) (UDP)
;; WHEN: Tue Feb 18 20:10:37 UTC 2025
;; MSG SIZE rcvd: 80

ubuntu@ubuntu02204:/$ |
```

```
ubuntu@ubuntu02204: / X + v
;; Query time: 3 msec
;; SERVER: 127.0.0.1#53(127.0.0.1) (UDP)
;; WHEN: Tue Feb 18 20:10:37 UTC 2025
;; MSG SIZE rcvd: 80

ubuntu@ubuntu02204:/$ dig @127.0.0.1 www.tudominio.com TXT

; <<>> DiG 9.18.30-ubuntu0.22.04.2-Ubuntu <<>> @127.0.0.1 www.tudominio.com TXT
; (1 server found)
; global options: +cmd
; Got answer:
; -->HEADER<-- opcode: QUERY, status: REFUSED, id: 8234
; flags: qr rd; QUERY: 1, ANSWER: 0, AUTHORITY: 0, ADDITIONAL: 1
; WARNING: recursion requested but not available

; OPT PSEUDOSECTION:
; EDNS: version: 0, flags:; udp: 1232
; COOKIE: 105226fefb10cd550100000067b4e9566a1d387a463352a8 (good)
; EDE: 18 (Prohibited)
; QUESTION SECTION:
;www.tudominio.com.          IN      TXT

;; Query time: 0 msec
;; SERVER: 127.0.0.1#53(127.0.0.1) (UDP)
;; WHEN: Tue Feb 18 20:11:02 UTC 2025
;; MSG SIZE rcvd: 80

ubuntu@ubuntu02204:/$ |
```



```
;; Query time: 0 msec
;; SERVER: 127.0.0.1#53(127.0.0.1) (UDP)
;; WHEN: Tue Feb 18 20:11:02 UTC 2025
;; MSG SIZE rcvd: 80
```

ubuntu@ubuntu02204:/\$ dig @127.0.0.1 google.com

```
; <<> DiG 9.18.30-ubuntu0.22.04.2-Ubuntu <<> @127.0.0.1 google.com
; (1 server found)
; global options: +cmd
; Got answer:
; -->HEADER<-- opcode: QUERY, status: REFUSED, id: 21768
; flags: qr rd; QUERY: 1, ANSWER: 0, AUTHORITY: 0, ADDITIONAL: 1
; WARNING: recursion requested but not available
```

```
;; OPT PSEUDOSECTION:
; EDNS: version: 0, flags:; udp: 1232
; COOKIE: 015fca97bde8c9960100000067b4e98420b186385110f427 (good)
; EDE: 18 (Prohibited)
;; QUESTION SECTION:
;google.com.                IN      A
```

```
;; Query time: 3 msec
;; SERVER: 127.0.0.1#53(127.0.0.1) (UDP)
;; WHEN: Tue Feb 18 20:11:48 UTC 2025
;; MSG SIZE rcvd: 73
```

ubuntu@ubuntu02204:/\$ |