

Estado de los servidores:

CEO:

```
vagrant@ceo:~$ sudo systemctl status bind9
● named.service - BIND Domain Name Server
   Loaded: loaded (/lib/systemd/system/named.service; enabled; vendor preset: enabled)
   Active: active (running) since Sat 2025-02-01 15:34:21 UTC; 55min ago
     Docs: man:named(8)
  Main PID: 2196 (named)
    Tasks: 10 (limit: 208)
   Memory: 10.6M
      CPU: 81ms
   CGroup: /system.slice/named.service
           └─2196 /usr/sbin/named -f -u bind

Feb 01 15:34:21 ceo named[2196]: transfer of '57.168.192.in-addr.arpa/IN' from 192.168.57.10#53: Transfer status: success
Feb 01 15:34:21 ceo named[2196]: transfer of '57.168.192.in-addr.arpa/IN' from 192.168.57.10#53: Transfer completed: 1 messages, 10 records, 311 bytes, 0.001 secs (311000 bytes/sec)
Feb 01 15:34:21 ceo named[2196]: zone 57.168.192.in-addr.arpa/IN: sending notifies (serial 2)
Feb 01 15:34:22 ceo named[2196]: zone olimpo.test/IN: Transfer started.
Feb 01 15:34:22 ceo named[2196]: transfer of 'olimpo.test/IN' from 192.168.57.10#53: connected using 192.168.57.11#47395
Feb 01 15:34:22 ceo named[2196]: zone olimpo.test/IN: transferred serial 2
Feb 01 15:34:22 ceo named[2196]: transfer of 'olimpo.test/IN' from 192.168.57.10#53: Transfer status: success
Feb 01 15:34:22 ceo named[2196]: transfer of 'olimpo.test/IN' from 192.168.57.10#53: Transfer completed: 1 messages, 16 records, 413 bytes, 0.007 secs (59000 bytes/sec)
Feb 01 15:34:22 ceo named[2196]: zone olimpo.test/IN: sending notifies (serial 2)
Feb 01 15:34:31 ceo named[2196]: resolver priming query complete
vagrant@ceo:~$
```

ATLAS:

```
PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS GIT LENS
● named.service - BIND Domain Name Server
   Loaded: loaded (/lib/systemd/system/named.service; enabled; vendor preset: enabled)
   Active: active (running) since Sat 2025-02-01 15:33:31 UTC; 54min ago
     Docs: man:named(8)
  Main PID: 2200 (named)
    Tasks: 10 (limit: 208)
   Memory: 10.8M
      CPU: 89ms
   CGroup: /system.slice/named.service
           └─2200 /usr/sbin/named -f -u bind

Feb 01 15:33:31 atlas named[2200]: zone 57.168.192.in-addr.arpa/IN: sending notifies (serial 2)
Feb 01 15:33:31 atlas named[2200]: zone olimpo.test/IN: sending notifies (serial 2)
Feb 01 15:33:31 atlas named[2200]: zone 255.in-addr.arpa/IN: loaded serial 1
Feb 01 15:33:31 atlas named[2200]: all zones loaded
Feb 01 15:33:31 atlas named[2200]: running
Feb 01 15:33:41 atlas named[2200]: resolver priming query complete
Feb 01 15:34:21 atlas named[2200]: client @0x7f9220c7d020 192.168.57.11#60743 (57.168.192.in-addr.arpa): transfer of '57.168.192.in-addr.arpa/IN': AXFR started (serial 2)
Feb 01 15:34:21 atlas named[2200]: client @0x7f9220c7d020 192.168.57.11#60743 (57.168.192.in-addr.arpa): transfer of '57.168.192.in-addr.arpa/IN': AXFR ended: 1 messages, 10 records, 311 bytes, 0.001 secs (311000 bytes/sec)
Feb 01 15:34:22 atlas named[2200]: client @0x7f9220c790a0 192.168.57.11#47395 (olimpo.test): transfer of 'olimpo.test/IN': AXFR started (serial 2)
Feb 01 15:34:22 atlas named[2200]: client @0x7f9220c790a0 192.168.57.11#47395 (olimpo.test): transfer of 'olimpo.test/IN': AXFR ended: 1 messages, 16 records, 413 bytes, 0.001 secs (413000 bytes/sec)
~
~
~
```

Funcionamiento del dns de Atlas:

```
vagrant@atlas:~$ dig @localhost atlas.olimpo.test

; <<>> DiG 9.16.50-Debian <<>> @localhost atlas.olimpo.test
; (2 servers found)
;; global options: +cmd
;; Got answer:
;; ->>HEADER<<- opcode: QUERY, status: NOERROR, id: 52966
;; flags: qr aa rd ra; QUERY: 1, ANSWER: 1, AUTHORITY: 0, ADDITIONAL: 1

;; OPT PSEUDOSECTION:
; EDNS: version: 0, flags:; udp: 1232
; COOKIE: 11af79aabde34db101000000679e4c0f84834d83cbc873c8 (good)
;; QUESTION SECTION:
;atlas.olimpo.test.                IN      A

;; ANSWER SECTION:
atlas.olimpo.test.                86400   IN      A      192.168.57.10

;; Query time: 3 msec
;; SERVER: ::1#53(::1)
;; WHEN: Sat Feb 01 16:30:07 UTC 2025
;; MSG SIZE rcvd: 90

vagrant@atlas:~$
```

```
vagrant@atlas:~$ dig @localhost -x 192.168.57.10

; <<>> DiG 9.16.50-Debian <<>> @localhost -x 192.168.57.10
; (2 servers found)
;; global options: +cmd
;; Got answer:
;; ->>HEADER<<- opcode: QUERY, status: NOERROR, id: 35954
;; flags: qr aa rd ra; QUERY: 1, ANSWER: 1, AUTHORITY: 0, ADDITIONAL: 1

;; OPT PSEUDOSECTION:
; EDNS: version: 0, flags:; udp: 1232
; COOKIE: af72093006087eba01000000679e4c2c6488ec3b96626e72 (good)
;; QUESTION SECTION:
;10.57.168.192.in-addr.arpa.       IN      PTR

;; ANSWER SECTION:
10.57.168.192.in-addr.arpa. 86400   IN      PTR      atlas.olimpo.test.

;; Query time: 3 msec
;; SERVER: ::1#53(::1)
;; WHEN: Sat Feb 01 16:30:36 UTC 2025
;; MSG SIZE rcvd: 114

vagrant@atlas:~$ sh
```

Funcionamiento del servidor dns de Ceo:

```
vagrant@ceo:~$ dig @192.168.57.11 atlas.olimpo.test

; <<>> DiG 9.16.50-Debian <<>> @192.168.57.11 atlas.olimpo.test
; (1 server found)
;; global options: +cmd
;; Got answer:
;; ->>HEADER<<- opcode: QUERY, status: NOERROR, id: 39332
;; flags: qr aa rd ra; QUERY: 1, ANSWER: 1, AUTHORITY: 0, ADDITIONAL: 1

;; OPT PSEUDOSECTION:
; EDNS: version: 0, flags:; udp: 1232
; COOKIE: 979638348550d59901000000679e4c506c28ff6c0e8d1f82 (good)
;; QUESTION SECTION:
;atlas.olimpo.test.                IN      A

;; ANSWER SECTION:
atlas.olimpo.test.                86400   IN      A      192.168.57.10

;; Query time: 3 msec
;; SERVER: 192.168.57.11#53(192.168.57.11)
;; WHEN: Sat Feb 01 16:31:12 UTC 2025
;; MSG SIZE rcvd: 90

vagrant@ceo:~$
```

```
vagrant@ceo:~$ dig @192.168.57.11 -x 192.168.57.10

; <<>> DiG 9.16.50-Debian <<>> @192.168.57.11 -x 192.168.57.10
; (1 server found)
;; global options: +cmd
;; Got answer:
;; ->>HEADER<<- opcode: QUERY, status: NOERROR, id: 56961
;; flags: qr aa rd ra; QUERY: 1, ANSWER: 1, AUTHORITY: 0, ADDITIONAL: 1

;; OPT PSEUDOSECTION:
; EDNS: version: 0, flags:; udp: 1232
; COOKIE: eaa41b914cf9b5e501000000679e4c604ff357420fb32f41 (good)
;; QUESTION SECTION:
;10.57.168.192.in-addr.arpa.       IN      PTR

;; ANSWER SECTION:
10.57.168.192.in-addr.arpa. 86400   IN      PTR     atlas.olimpo.test.

;; Query time: 3 msec
;; SERVER: 192.168.57.11#53(192.168.57.11)
;; WHEN: Sat Feb 01 16:31:28 UTC 2025
;; MSG SIZE rcvd: 114

vagrant@ceo:~$
```