DNS - Lab 3

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Exercise 6. Take and upload a screenshot of:

Server checking

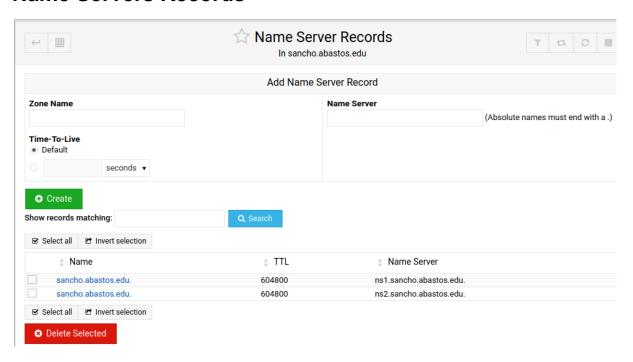
```
roger@Ubuntu-Mate-Server:/etc/bind$ nslookup pc2.sancho.abastos.edu
          127.0.0.53
Server:
               127.0.0.53#53
Non-authoritative answer:
Name: pc2.sancho.abastos.edu
Address: 59.57.73.0
roger@Ubuntu-Mate-Server:/etc/bind$ nslookup pc2.sancho.abastos.edu 192.168.0.33
Server: 192.168.0.33
Address: 192.168.0.33#53
Name: pc2.sancho.abastos.edu
Address: 59.57.73.0
roger@Ubuntu-Mate-Server:/etc/bind$ nslookup pc1.sancho.abastos.edu 192.168.0.34
Server: 192.168.0.34
Address: 192.168.0.34#53
Name: pc1.sancho.abastos.edu
Address: 192.168.0.13
roger@Ubuntu-Mate-Server:/etc/bind$ nslookup pc3.sancho.abastos.edu 192.168.0.34
Server: 192.168.0.34
Address: 192.168.0.34#53
Name: pc3.sancho.abastos.edu
Address: 59.57.73.1
roger@Ubuntu-Mate-Server:/etc/bind$ nslookup ns2.sancho.abastos.edu 192.168.0.33
Server: 192.168.0.33
Address:
              192.168.0.33#53
Name: ns2.sancho.abastos.edu
Address: 192.168.0.34
roger@Ubuntu-Mate-Server:/etc/bind$ nslookup pc4.sancho.abastos.edu 192.168.0.33
Server: 192.168.0.33
Address:
              192.168.0.33#53
Name: pc4.sancho.abastos.edu
Address: 59.57.73.2
```

It works well when you query the different addresses by asking the 2 nameservers.

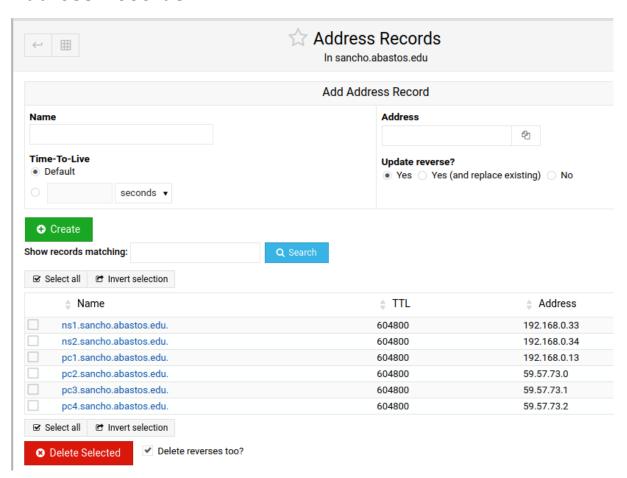
The first one shows non-authoritative answer because of the redirection of the DNS stub in ubuntu VM, because 127.0.0.53 redirects to my own ip, in this case (for the Client VM) 192.168.0.34.

pc1 is my windows computer and pc2, pc3 and pc4 IPs are customized using my NIA. My NIA: $10377595 \rightarrow 59.57.73.0$

Name Servers Records



Address Records



Upload your host zone file, you will find it in /var/lib/bind

```
; Zona sancho.abastos.edu
$ttl 604800
sancho.abastos.edu. IN
                          SOA ns1.sancho.abastos.edu. root.sancho.abastos.edu. (
                   2023111305
                   604800
                   86400
                   2419200
                   604800)
      IN
             NS
                   ns1.sancho.abastos.edu.
@
      IN
             NS
                   ns2.sancho.abastos.edu.
ns1.sancho.abastos.edu.
                          IN
                                 Α
                                       192.168.0.33
ns2.sancho.abastos.edu.
                          IN
                                 Α
                                       192.168.0.34
pc1.sancho.abastos.edu.
                          IN
                                 Α
                                       192.168.0.13
pc2.sancho.abastos.edu.
                          IN
                                 Α
                                       59.57.73.0
pc3.sancho.abastos.edu.
                                       59.57.73.1
                          IN
                                 Α
pc4.sancho.abastos.edu.
                          IN
                                 Α
                                       59.57.73.2
```