

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
Server:          127.0.0.53
Address:         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 → 59.57.73.0

Name Servers Records

←

☰

☆

Name Server Records

In sancho.abastos.edu

🔍

↺

↻

⌛

Add Name Server Record

Zone Name

Time-To-Live

☒ Default

seconds ▾

Name Server

(Absolute names must end with a .)

Create

Show records matching:

🔍 Search

☒ Select all

☐ Invert selection

⬆	Name	TTL	Name Server
<input type="checkbox"/>	sancho.abastos.edu.	604800	ns1.sancho.abastos.edu.
<input type="checkbox"/>	sancho.abastos.edu.	604800	ns2.sancho.abastos.edu.

☒ Select all

☐ Invert selection

Delete Selected

Address Records

←

☆

Address Records

In sancho.abastos.edu

Add Address Record

Name

Address

📄

Time-To-Live

☒ Default

seconds ▾

Update reverse?

☒ Yes
 ☐ Yes (and replace existing)
 ☐ No

+ Create

Show records matching:

🔍 Search

☒ Select all

☐ Invert selection

⬆️	Name	⬆️	TTL	⬆️	Address
<input type="checkbox"/>	ns1.sancho.abastos.edu.		604800		192.168.0.33
<input type="checkbox"/>	ns2.sancho.abastos.edu.		604800		192.168.0.34
<input type="checkbox"/>	pc1.sancho.abastos.edu.		604800		192.168.0.13
<input type="checkbox"/>	pc2.sancho.abastos.edu.		604800		59.57.73.0
<input type="checkbox"/>	pc3.sancho.abastos.edu.		604800		59.57.73.1
<input type="checkbox"/>	pc4.sancho.abastos.edu.		604800		59.57.73.2

☒ Select all

☐ Invert selection

✖ Delete Selected

☒ Delete reverses too?

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    A      192.168.0.33  
ns2.sancho.abastos.edu. IN    A      192.168.0.34  
pc1.sancho.abastos.edu. IN    A      192.168.0.13  
pc2.sancho.abastos.edu. IN    A      59.57.73.0  
pc3.sancho.abastos.edu. IN    A      59.57.73.1  
pc4.sancho.abastos.edu. IN    A      59.57.73.2
```