

DNS - Lab 1

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Exercise 6. Take and upload a screenshot of:

Server checking

```
roger@Ubuntu-Mate-Server:~$ 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: 192.168.0.13

roger@Ubuntu-Mate-Server:~$ nslookup pc2.sancho.abastos.edu 192.168.0.30
Server:      192.168.0.30
Address:     192.168.0.30#53

Name:   pc2.sancho.abastos.edu
Address: 192.168.0.13

roger@Ubuntu-Mate-Server:~$ nslookup pc2.sancho.abastos.edu 192.168.0.29
Server:      192.168.0.29
Address:     192.168.0.29#53

Name:   pc2.sancho.abastos.edu
Address: 192.168.0.13

roger@Ubuntu-Mate-Server:~$ nslookup ns1.sancho.abastos.edu 192.168.0.29
Server:      192.168.0.29
Address:     192.168.0.29#53

Name:   ns1.sancho.abastos.edu
Address: 192.168.0.30

roger@Ubuntu-Mate-Server:~$ nslookup ns2.sancho.abastos.edu 192.168.0.30
Server:      192.168.0.30
Address:     192.168.0.30#53

Name:   ns2.sancho.abastos.edu
Address: 192.168.0.29
```

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) 198.0.0.29.

Name Servers Records

☆ Name Server Records

In sancho.abastos.edu

⌵

↺

↻

■

Add Name Server Record

Zone Name

Name Server

(Absolute names must end with a .)

Time-To-Live

☒ Default

☐

seconds

+ Create

Show records matching:

Q 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:

Q Search

☒ Select all

☐ Invert selection

	Name	TTL	Address
<input type="checkbox"/>	ns1.sancho.abastos.edu.	604800	192.168.0.30
<input type="checkbox"/>	ns2.sancho.abastos.edu.	604800	192.168.0.29
<input type="checkbox"/>	pc2.sancho.abastos.edu.	604800	192.168.0.13

☒ 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  sancho.abastos.edu. root.sancho.abastos.edu. (  
                        2023110102  
                        604800  
                        86400  
                        2419200  
                        604800 )  
;  
@      IN      NS      ns1.sancho.abastos.edu.  
@      IN      NS      ns2.sancho.abastos.edu.  
ns1    IN      A       192.168.0.30  
ns2    IN      A       192.168.0.29  
pc2    IN      A       192.168.0.13
```