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**NSSA Lab - 03**

Suhaila Alfalasi

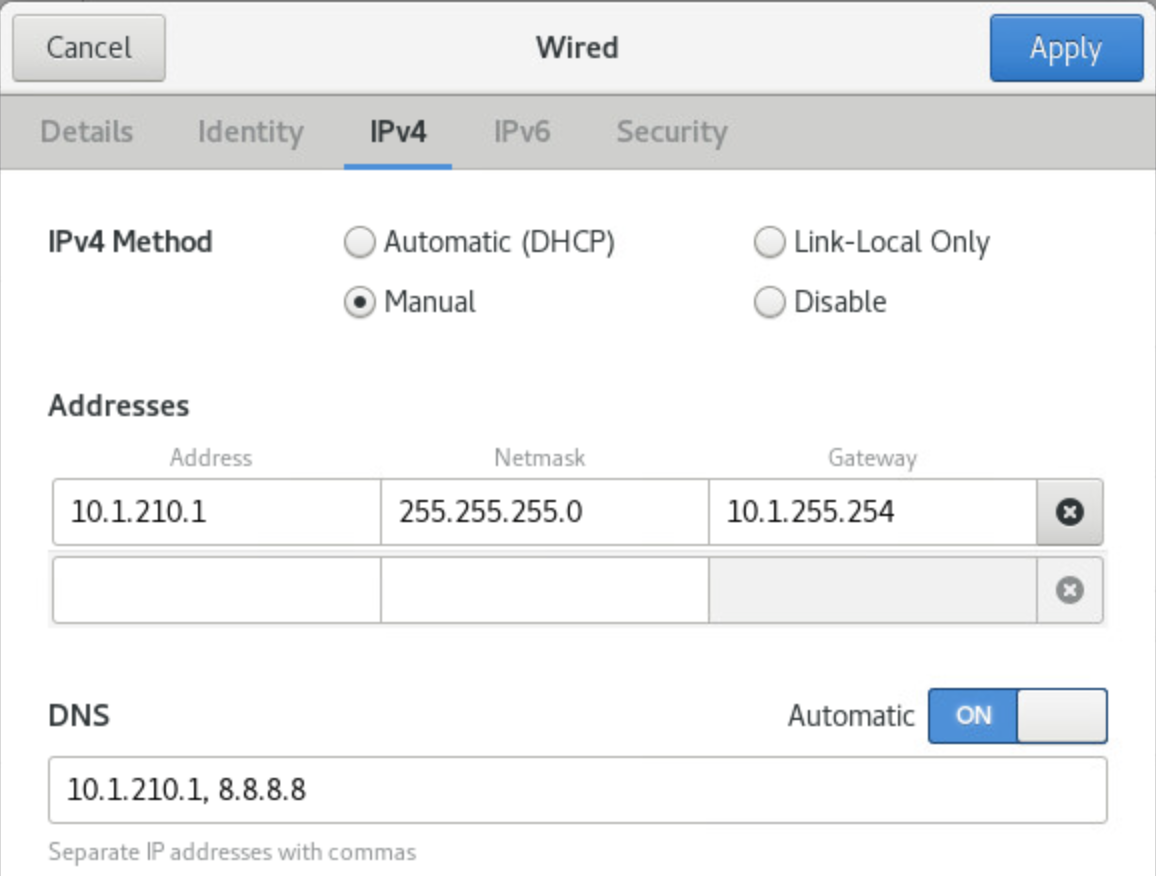
Rania Kanaan

RIT Dubai

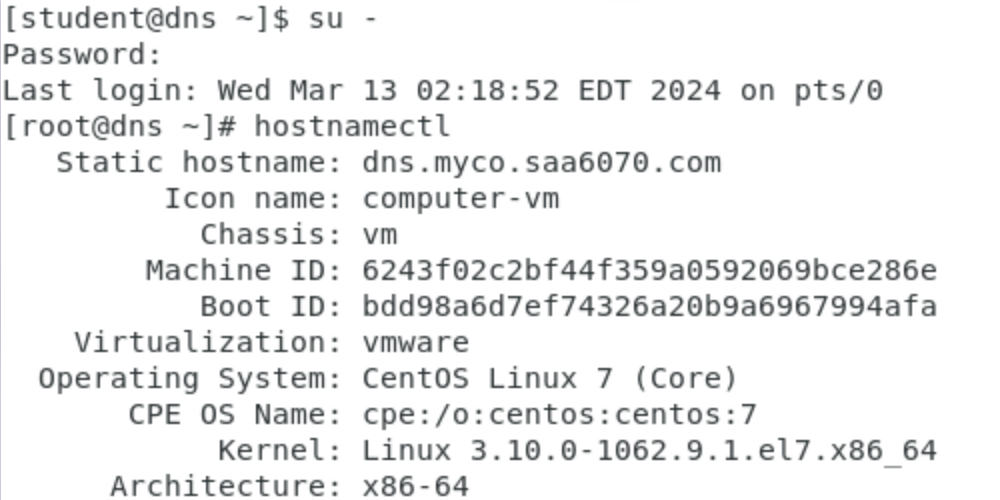
Professor [Muhammad Haseeb Jalalzai](mailto:mhjcad@rit.edu)

March 31, 2024

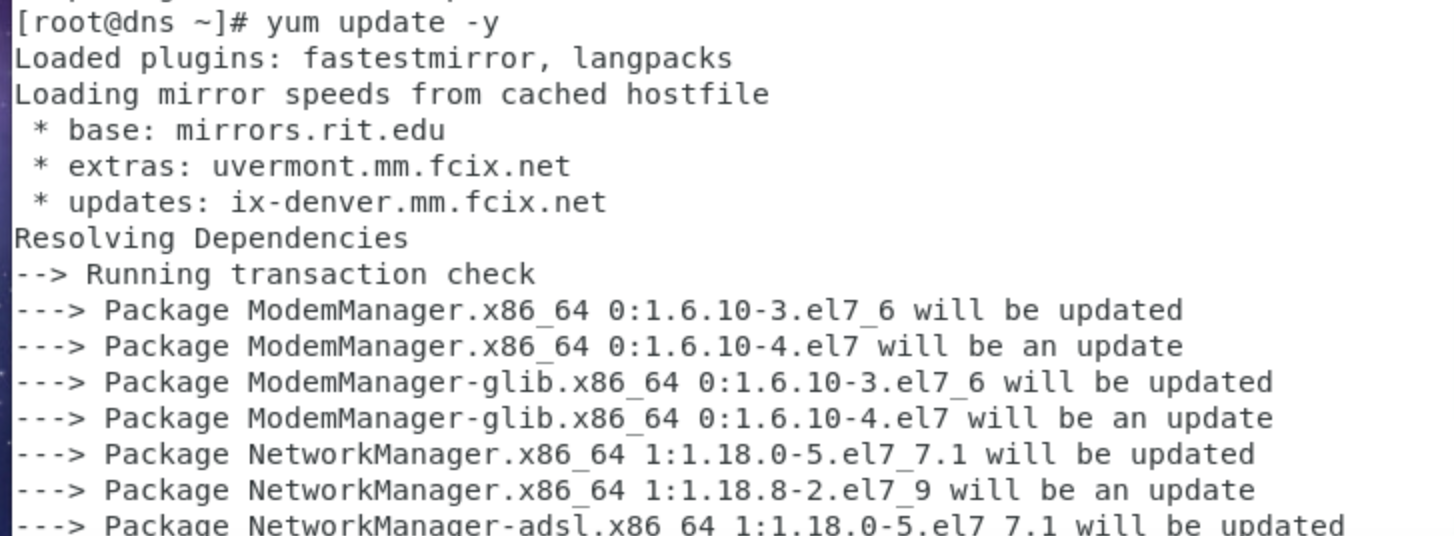
**Setting the ip manually**



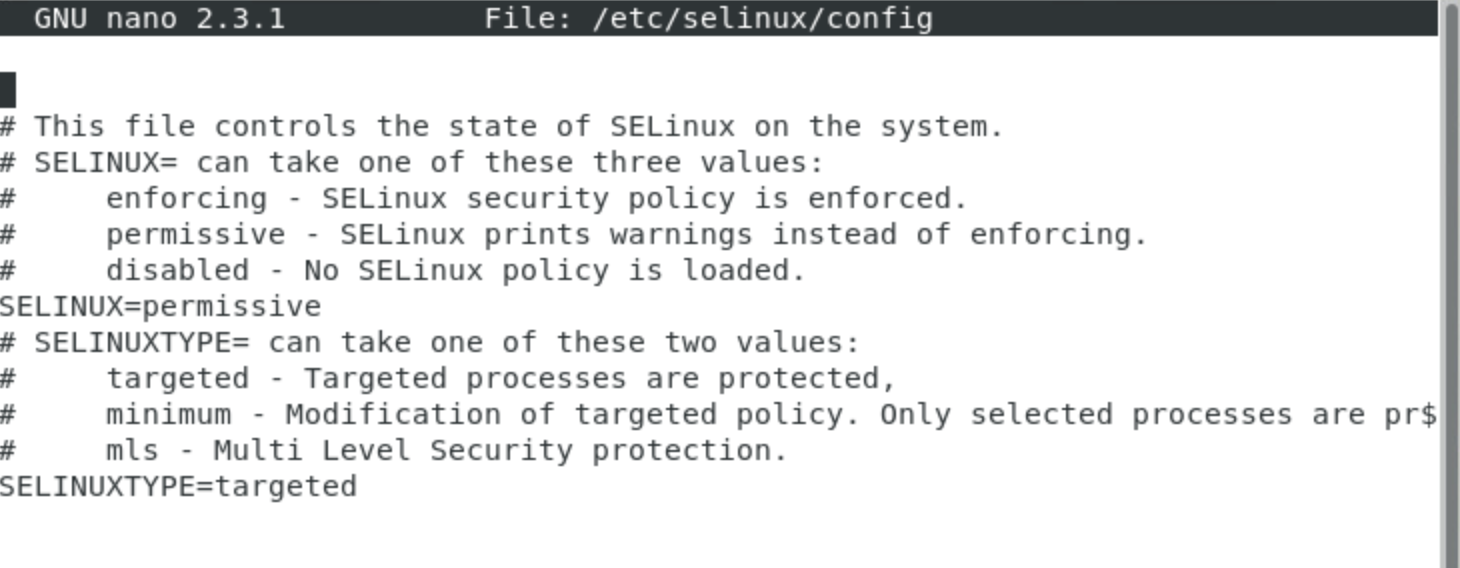
**Changing the Centos hostname**



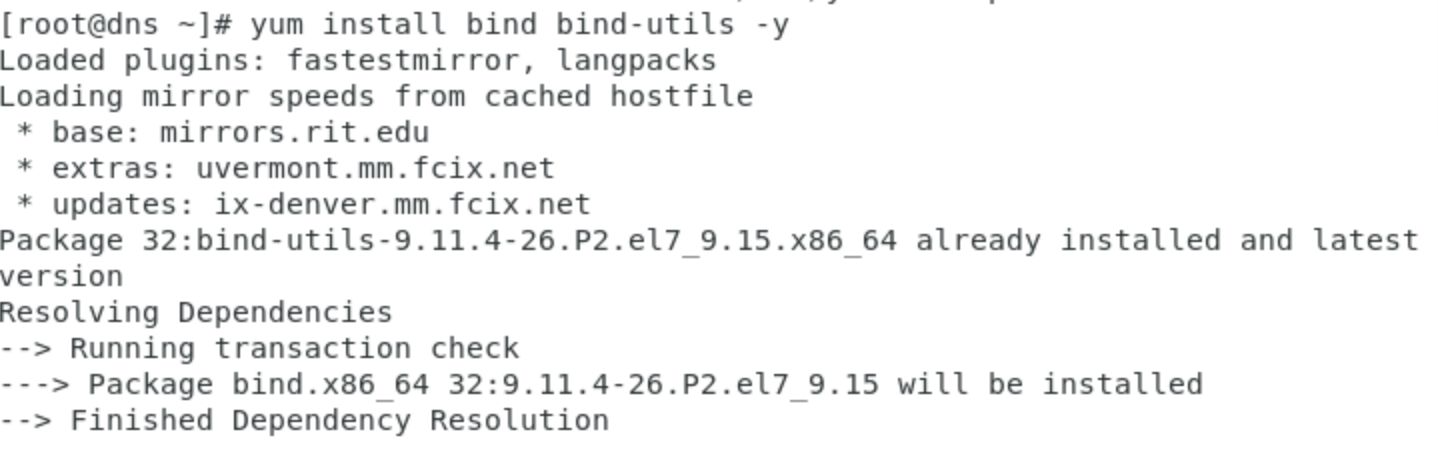
**Updating**



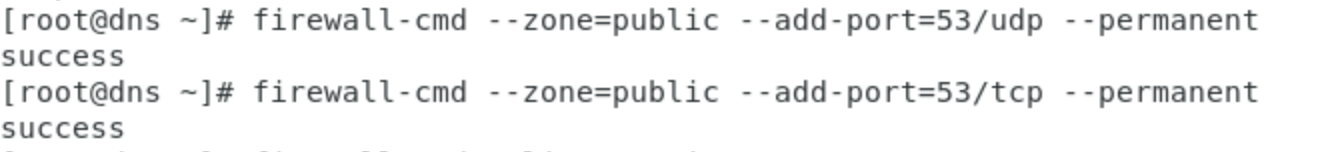
**Editted the /etc/selinux/config file to permissive**

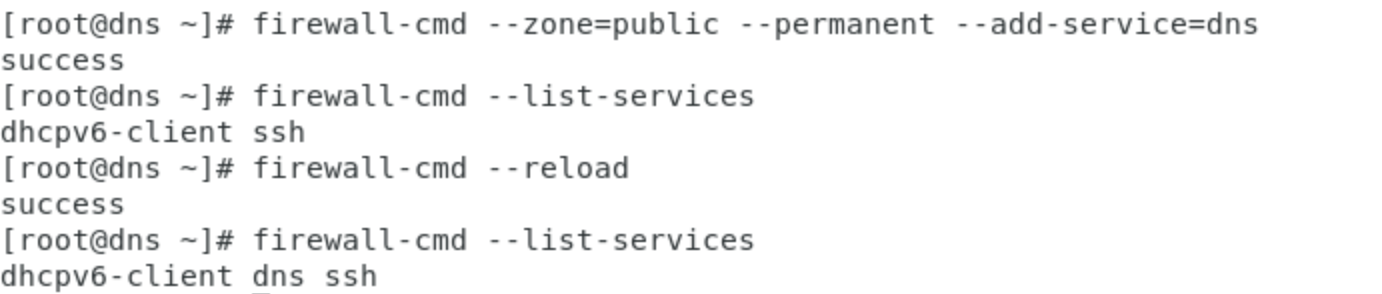


**Installing the bind**

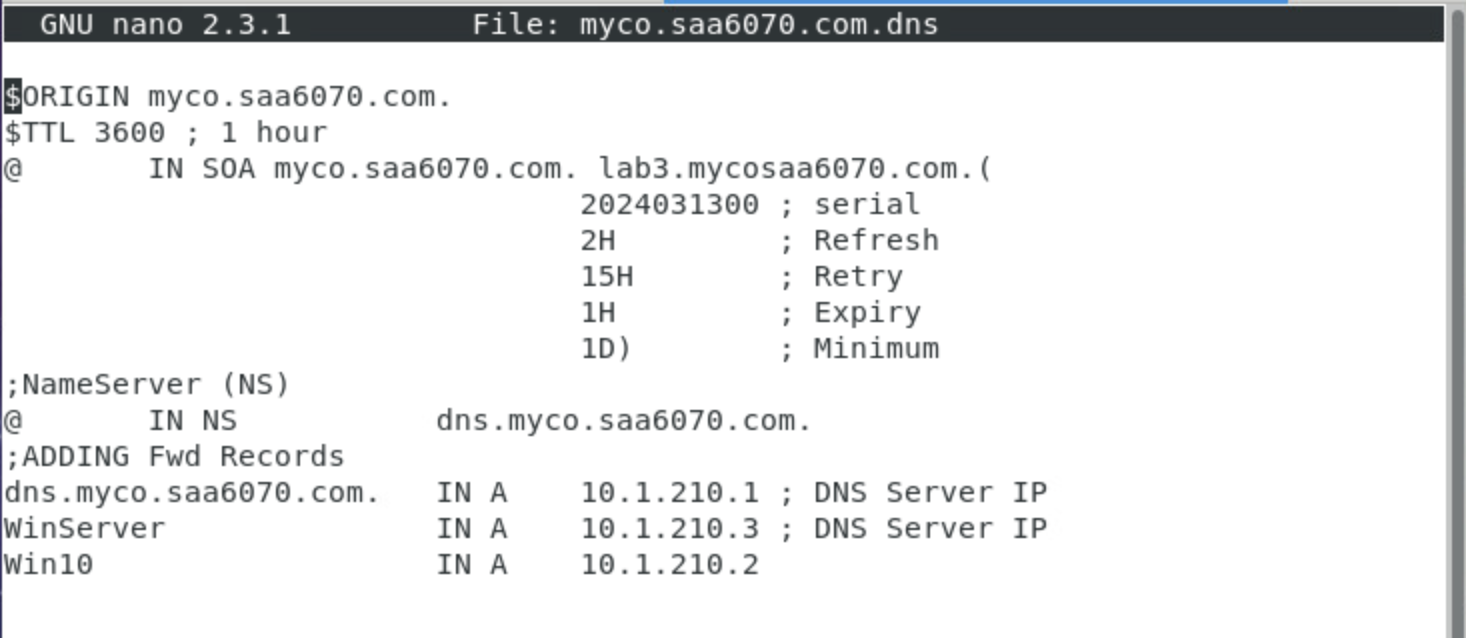


**List services DNS is listed**





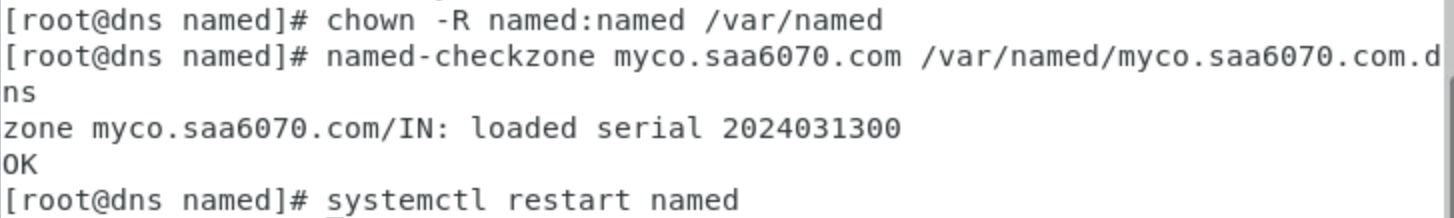
**Configuration of myco.saa6070.com.dns**



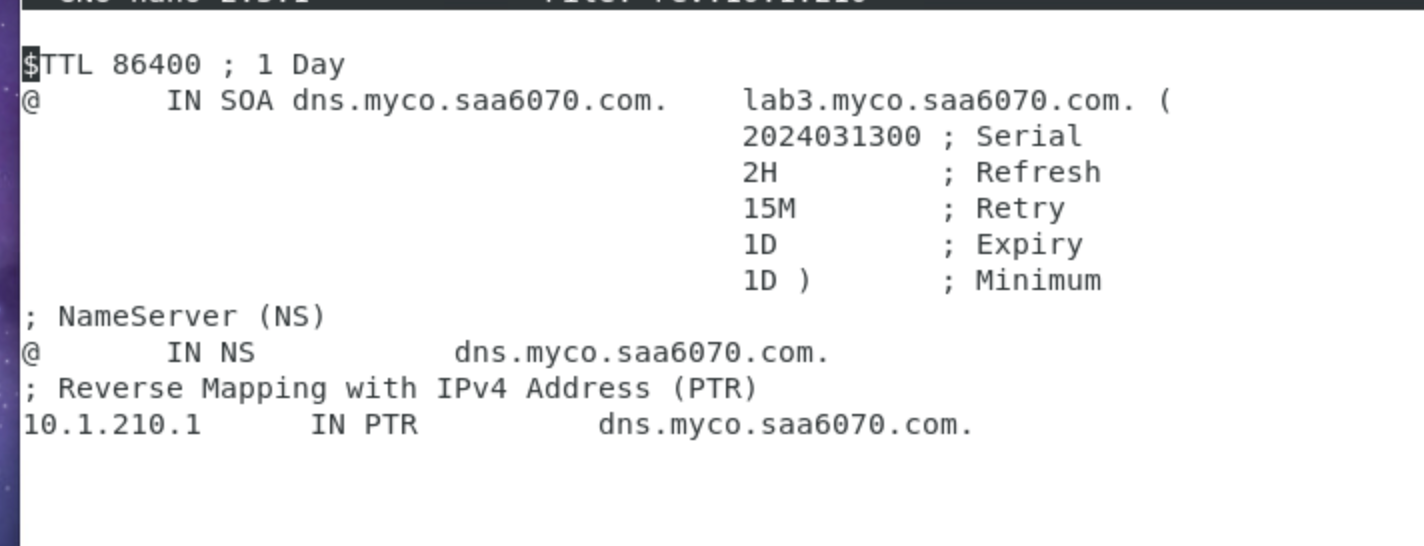
**Editing the /etc/hosts file**



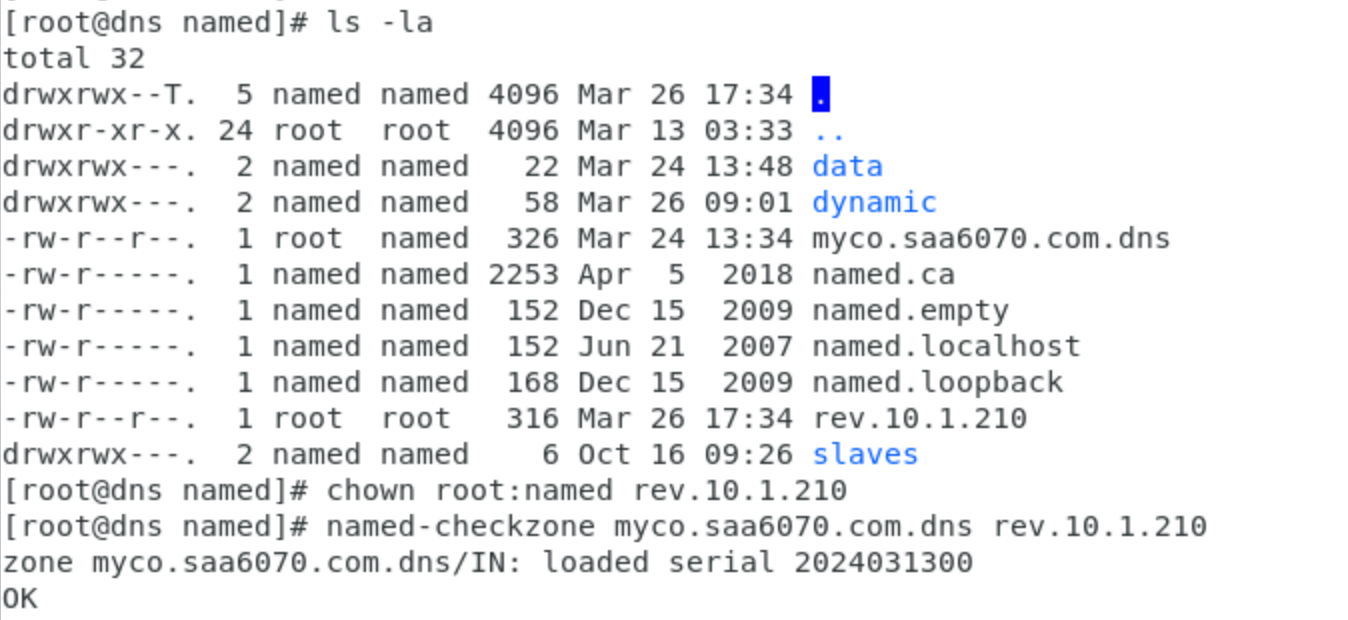
**Checking**

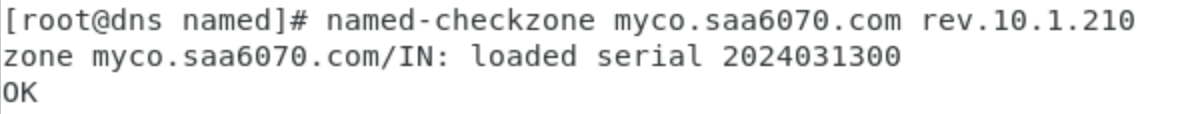


**Rev.10.1.210 configuration file**

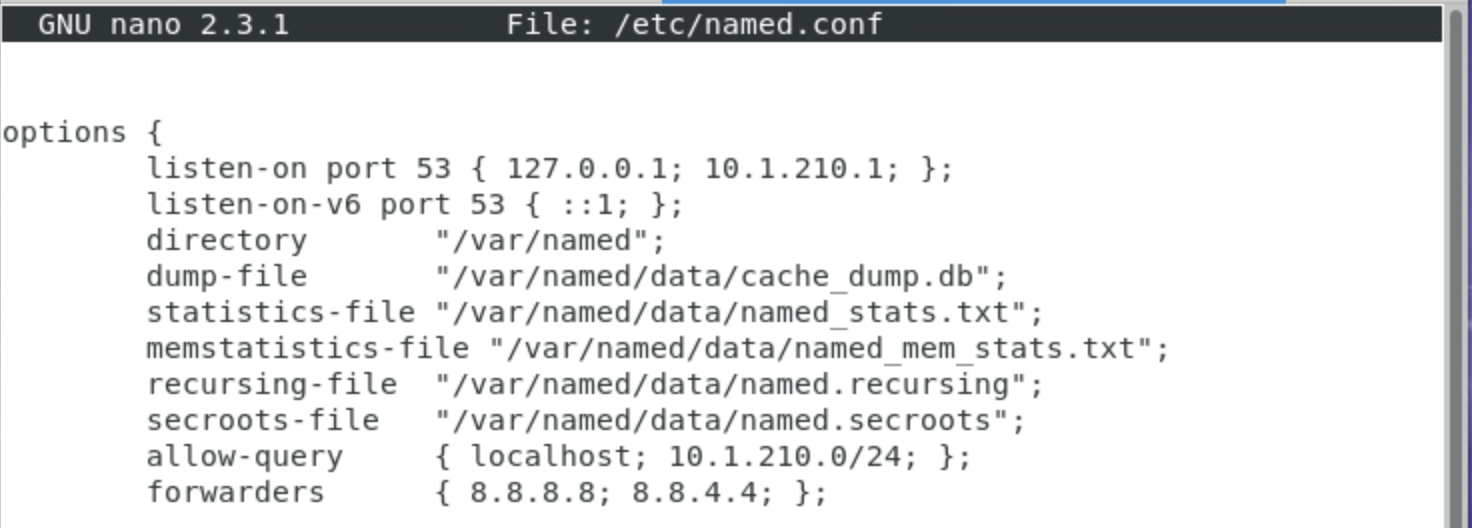


**Checking**





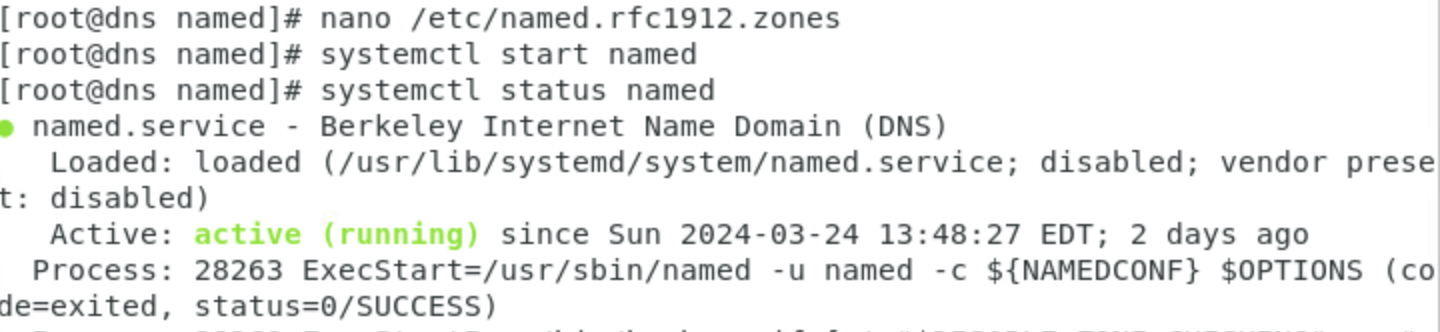
**Edited the /etc/named.conf**



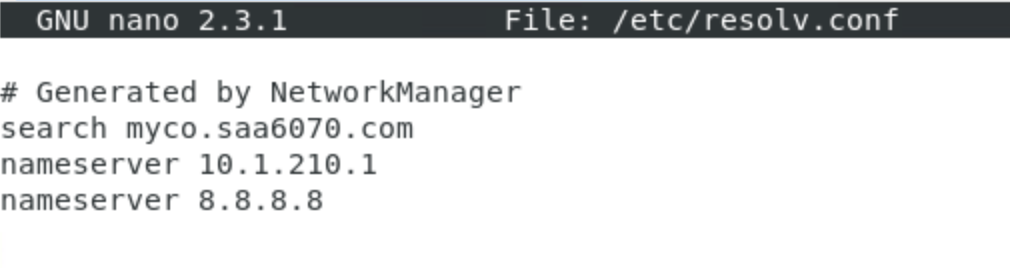
**Edited the /etc/named.rfc1912.zones**



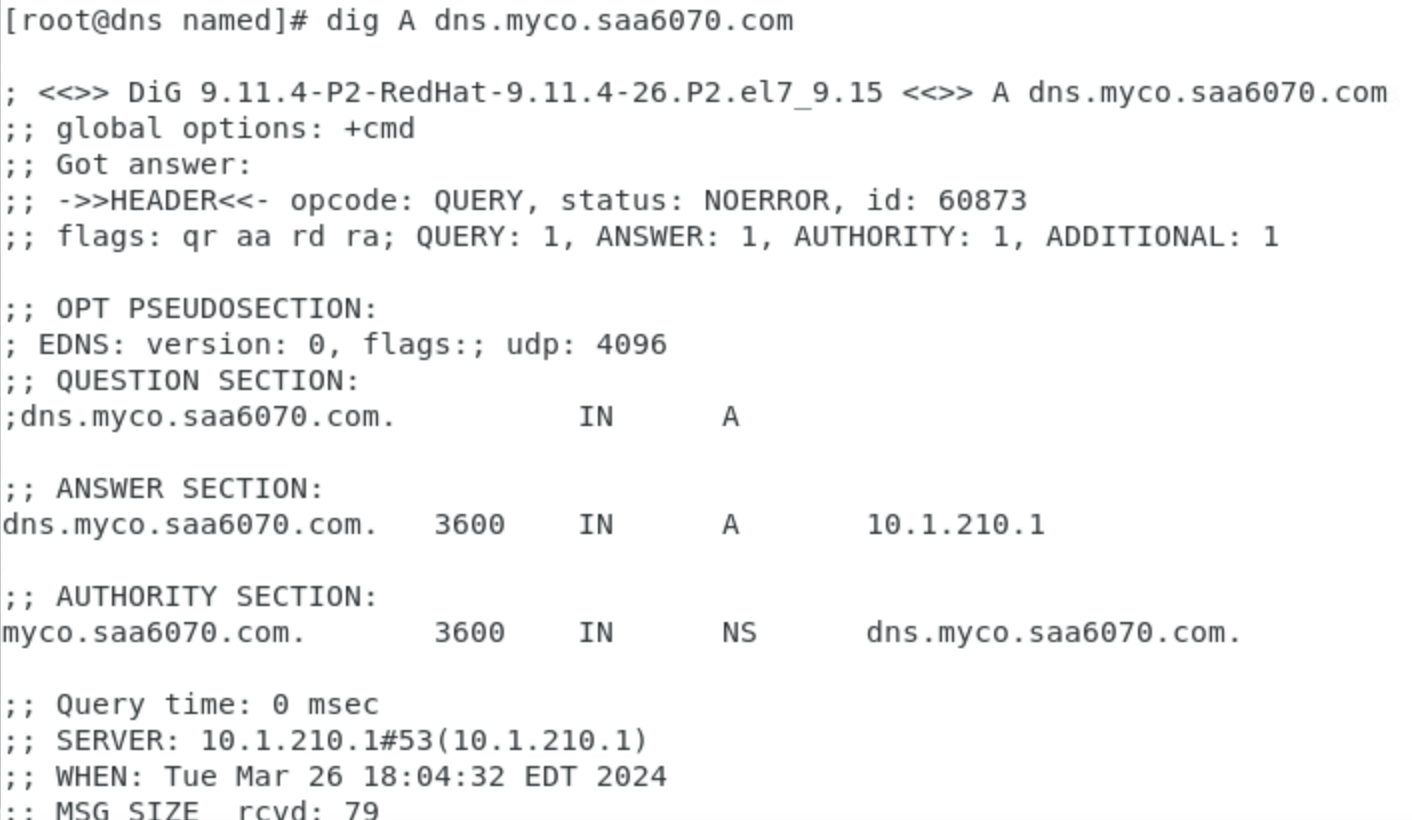
**The status is Active**



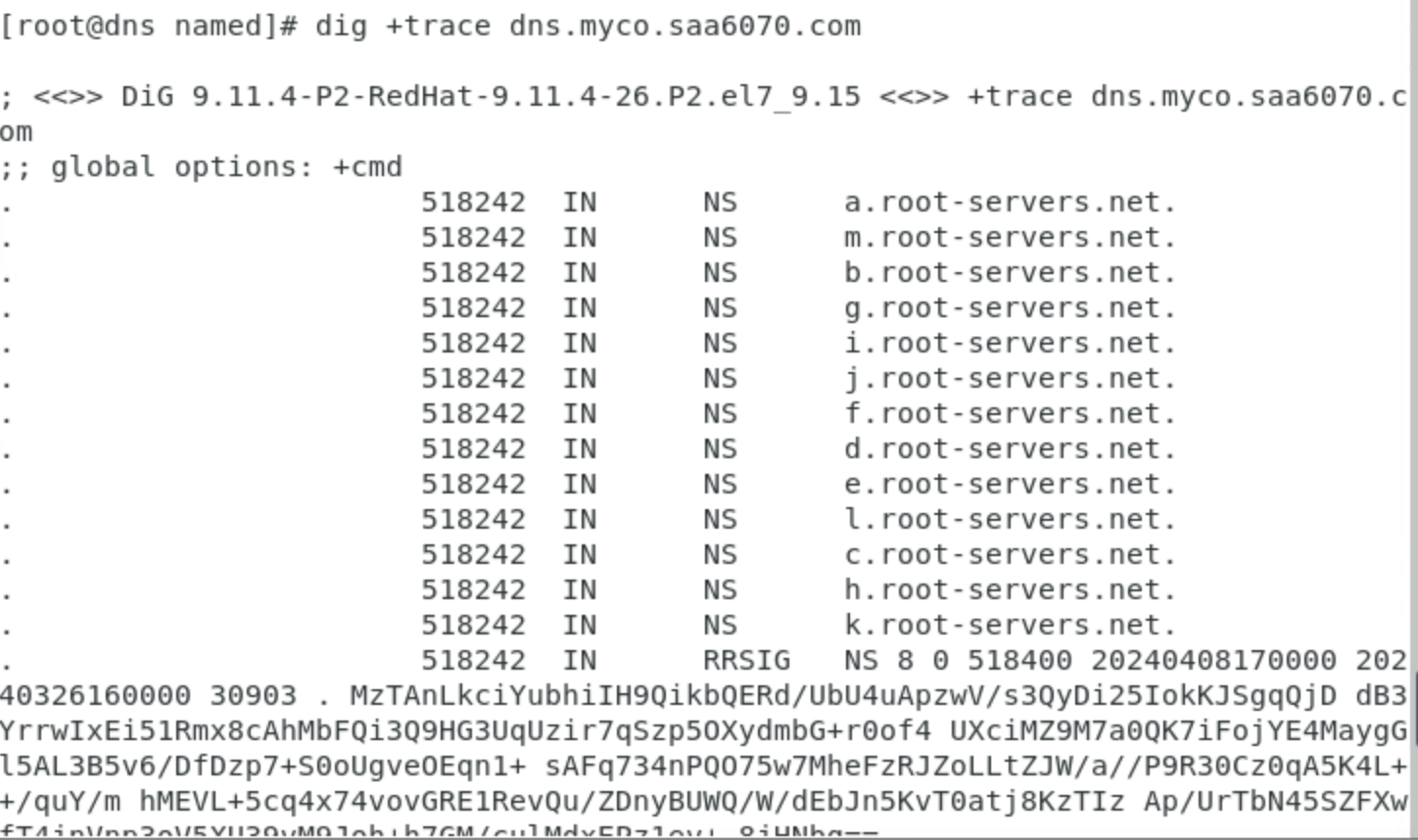
**Edited the /etc/resolv.conf File**



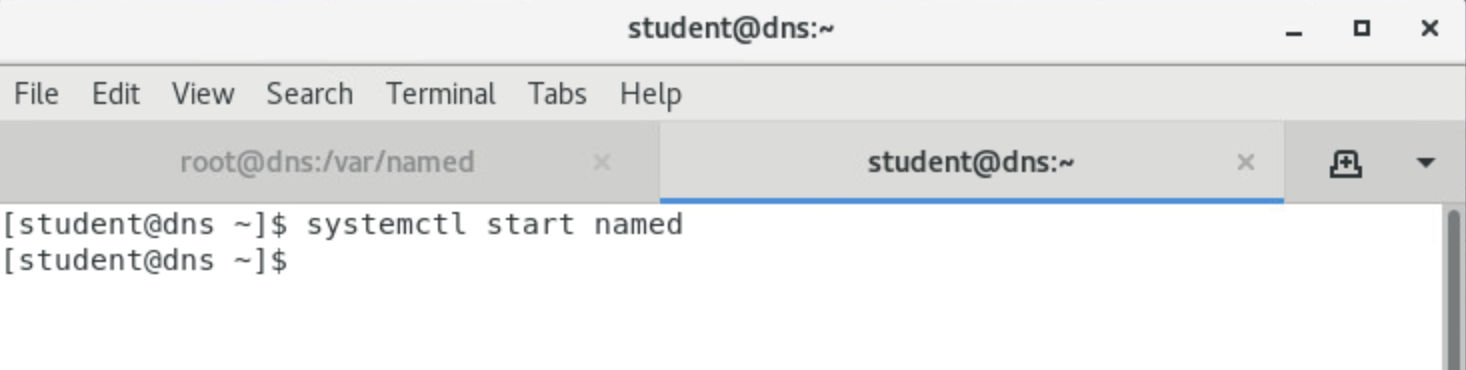
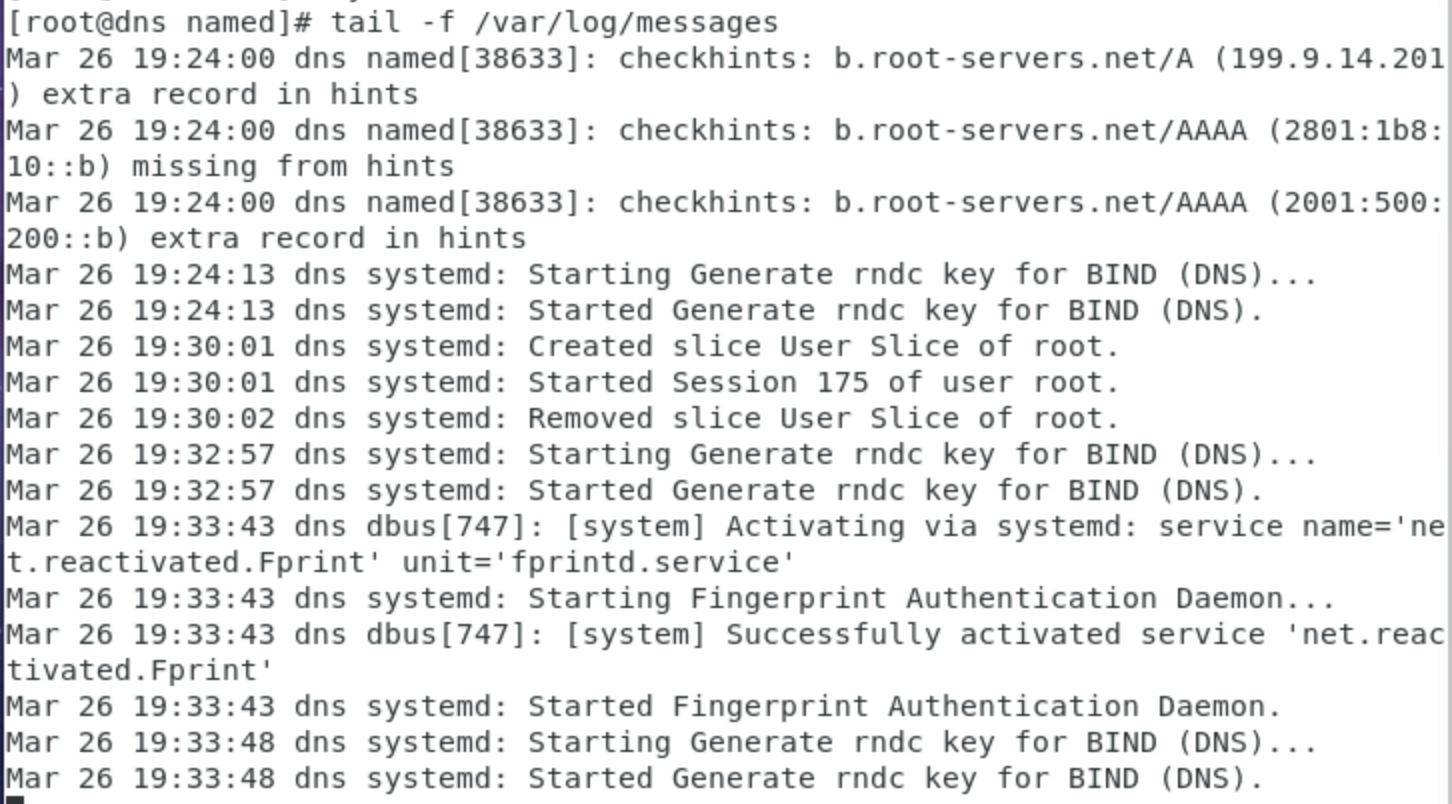
**Used the dig A dns.myco.saa6070.com command**



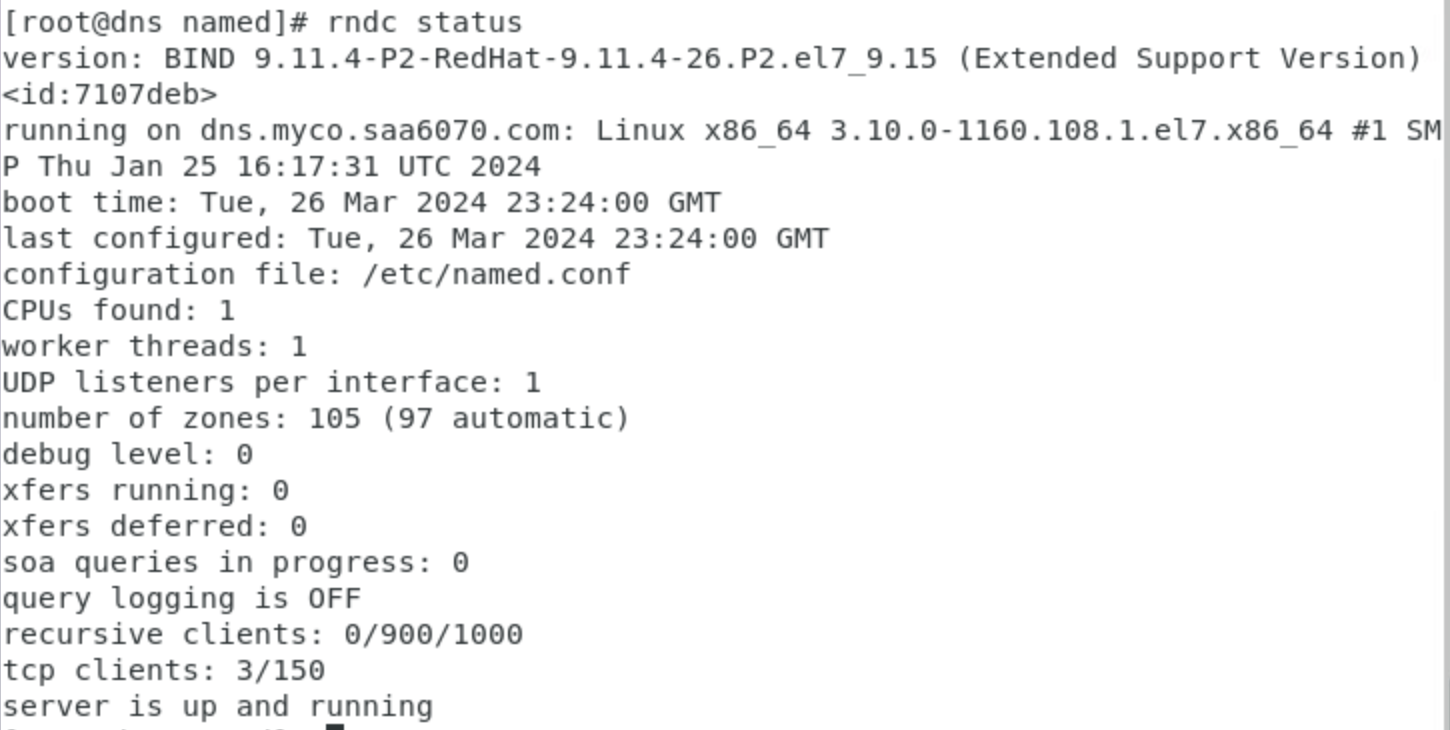
**Using the command dig +trace dns.myco.saa6070.com**

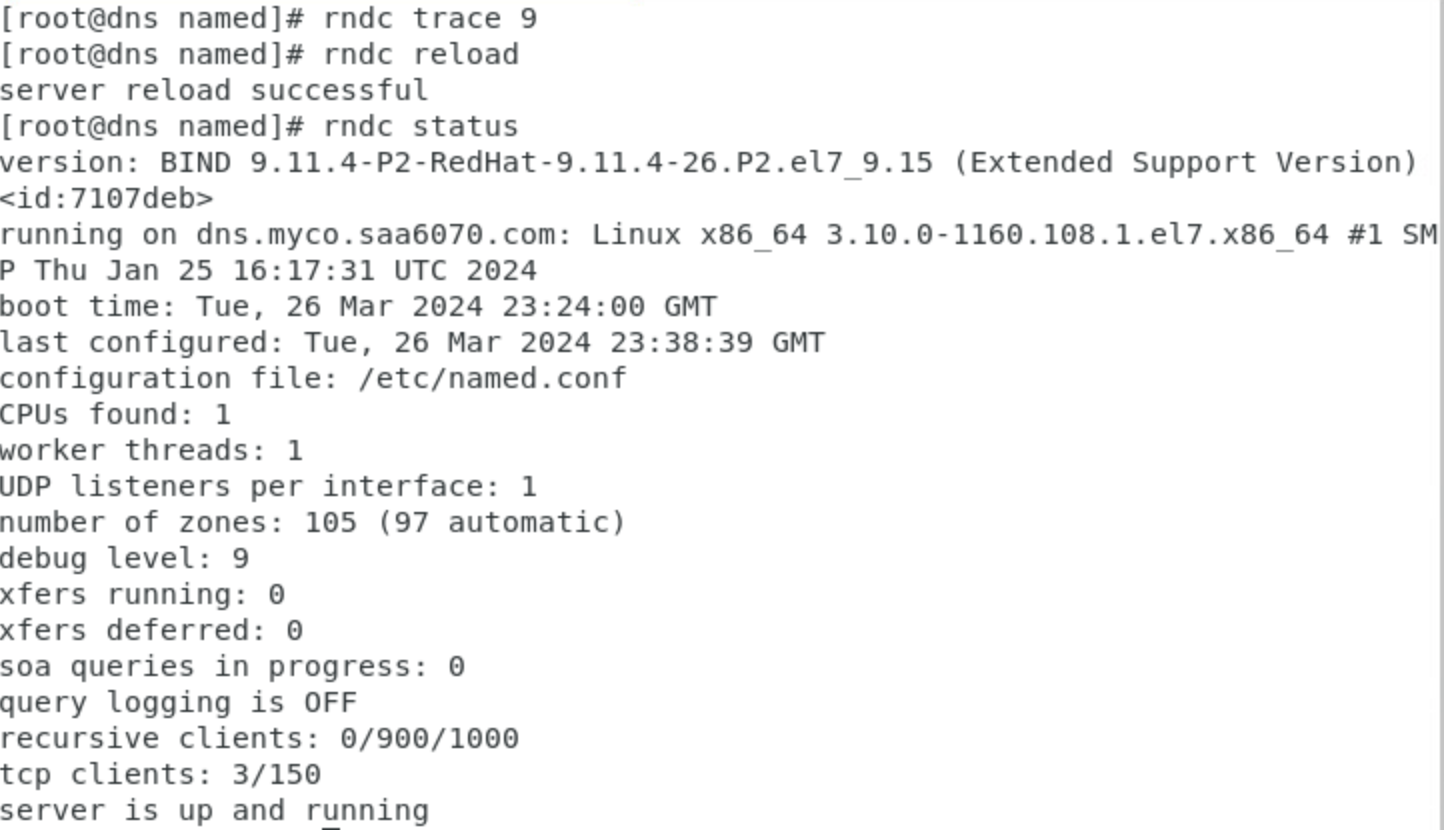


**Using ‘tail -f /var/log/messages’ command to see the system error messages in real-time while starting the named service**



**Using the rndc Command**



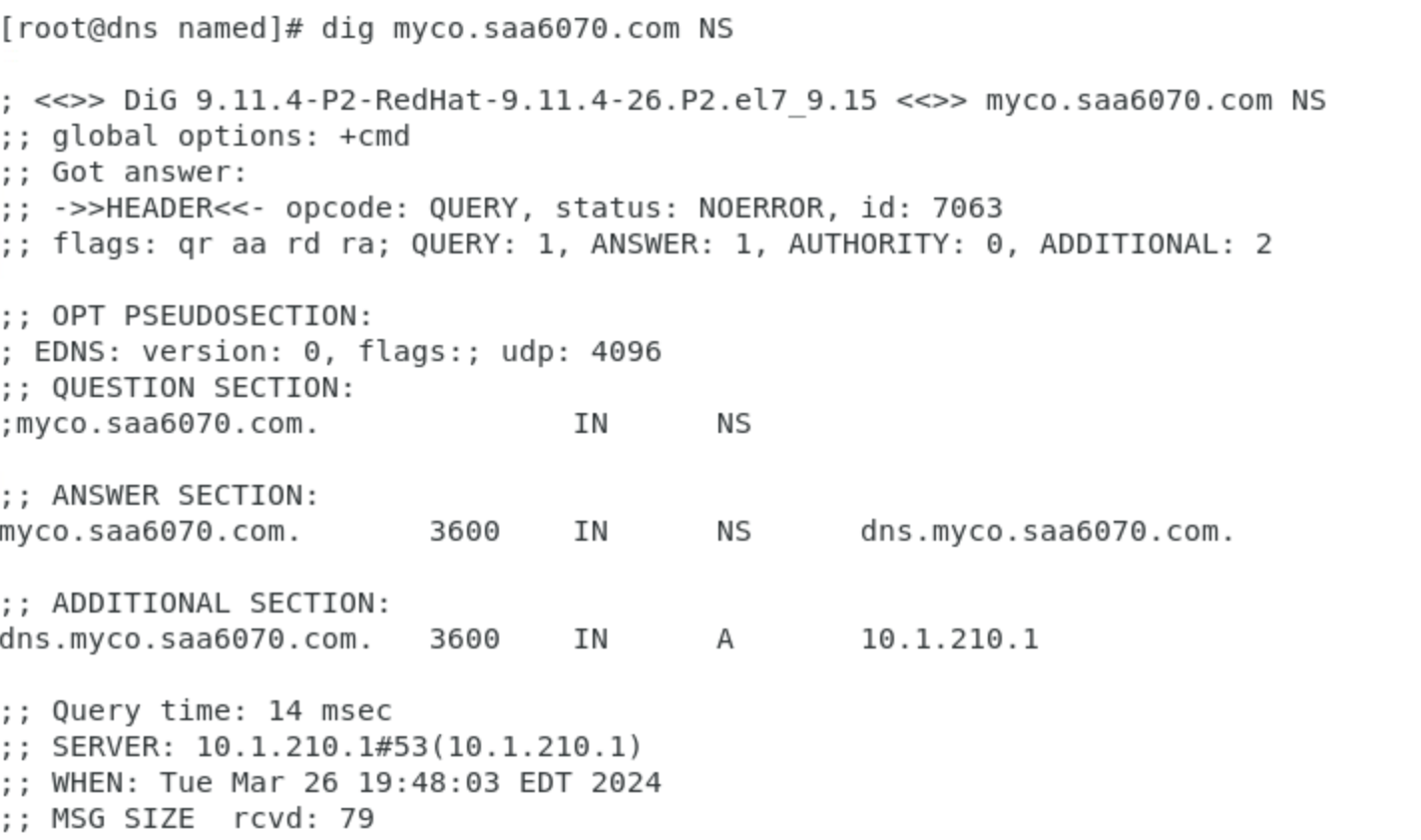


**The usage of the nslookup**

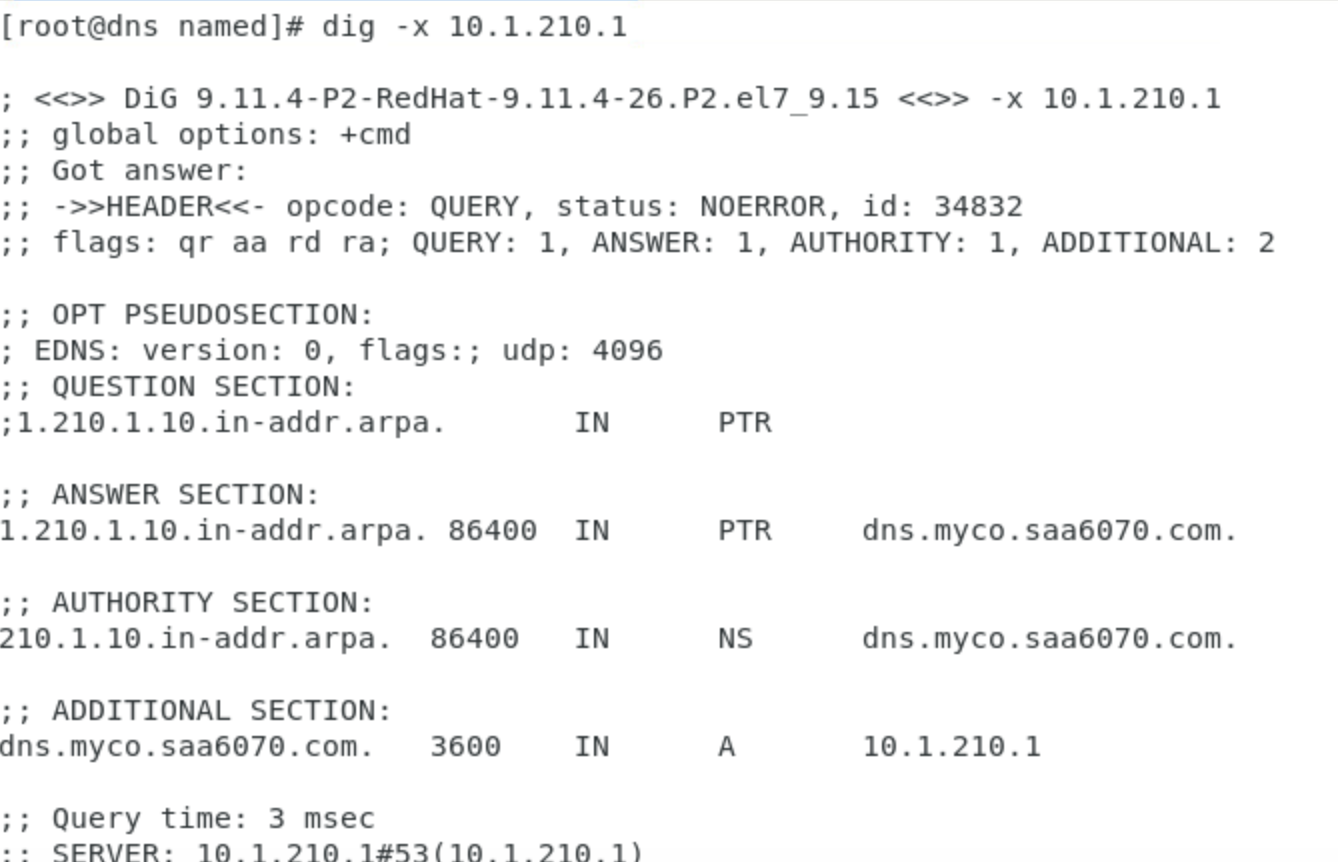
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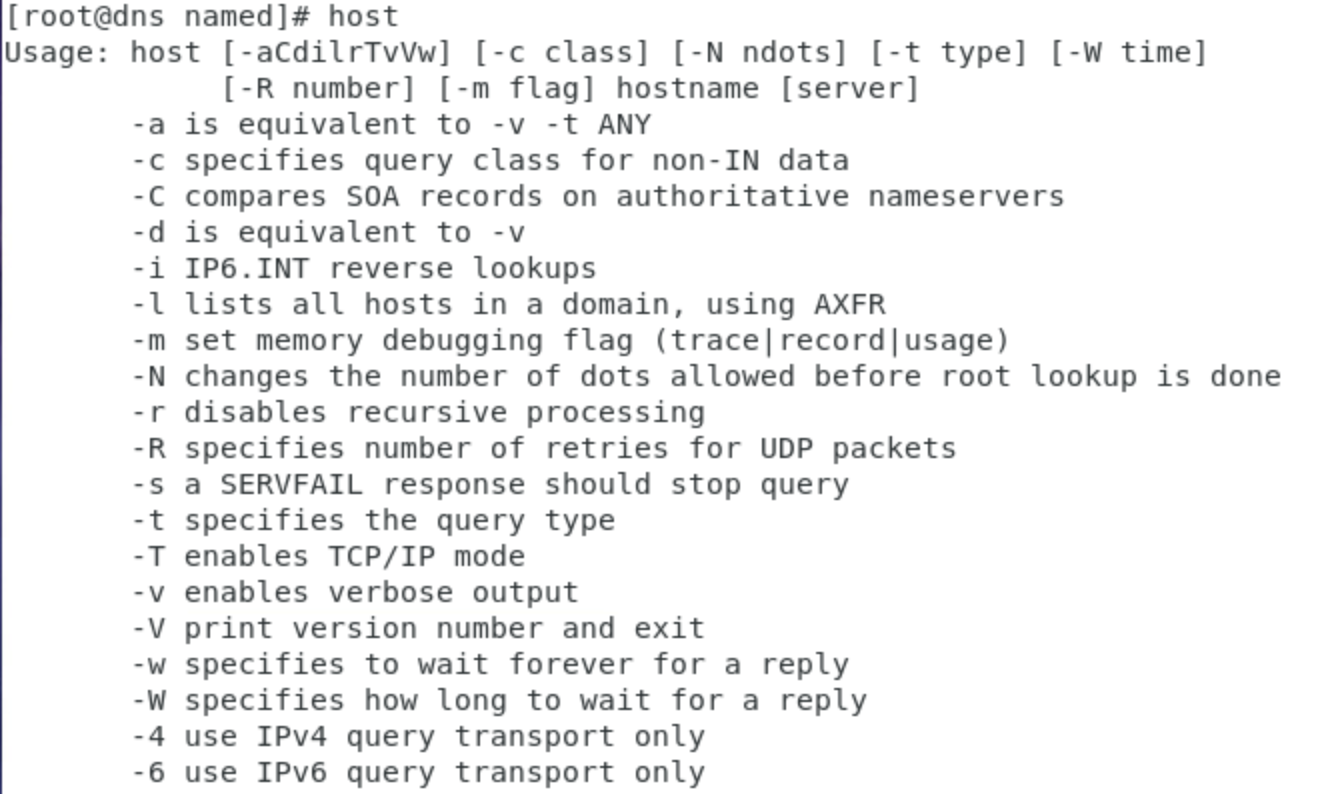
**Perform a DNS query for the authoritative name servers of the domain**

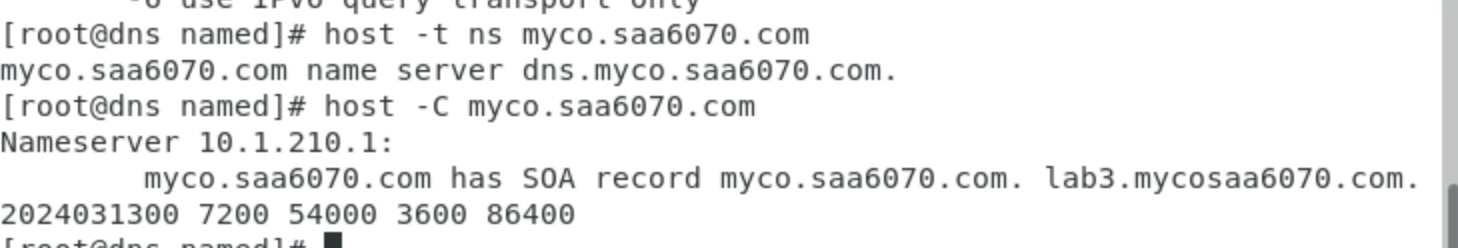


**Reverse DNS lookup (PTR (Pointer)) record query for the IP address**

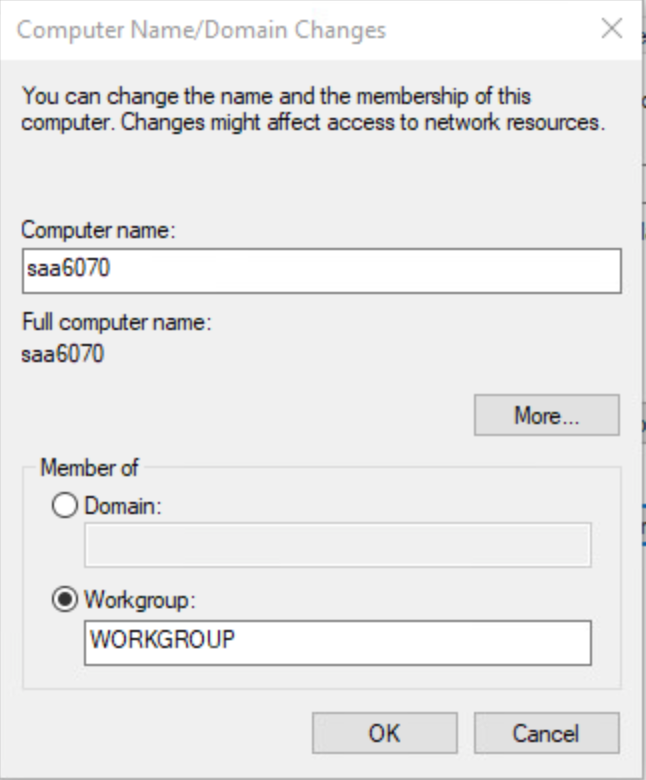


**The command ‘host -t ns’ is used to find out what is the authoritative name server for a domain, while ‘host -C hostname’ gathers as much information as possible about the hostname.**

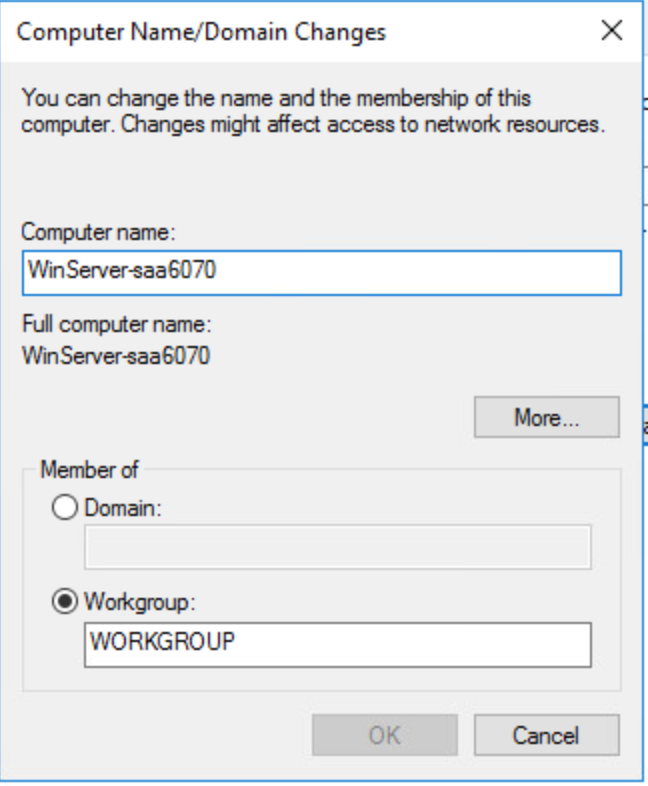




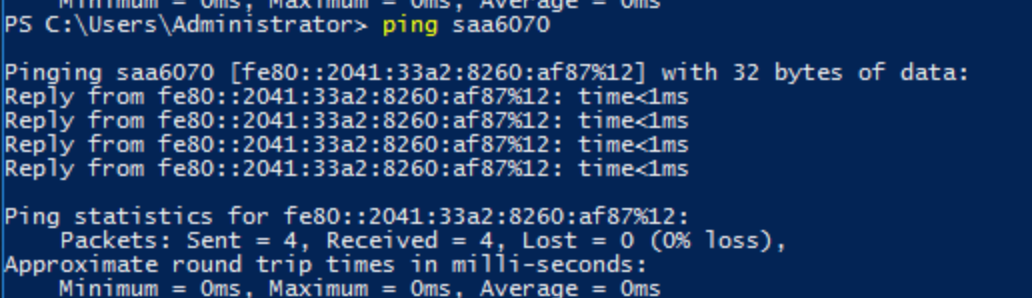
**Changing the domain name of the Win10**

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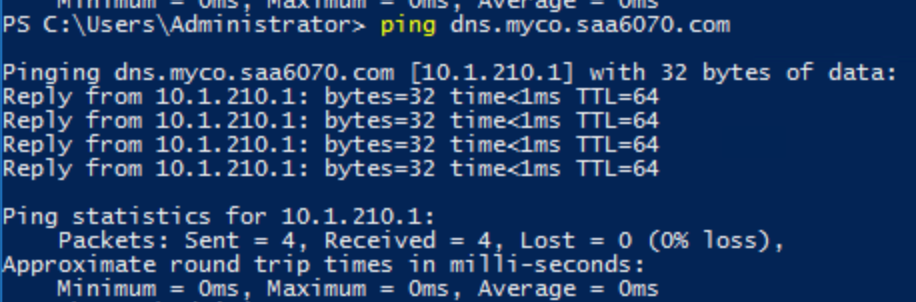
**Changing the domain name of the Windows Server**

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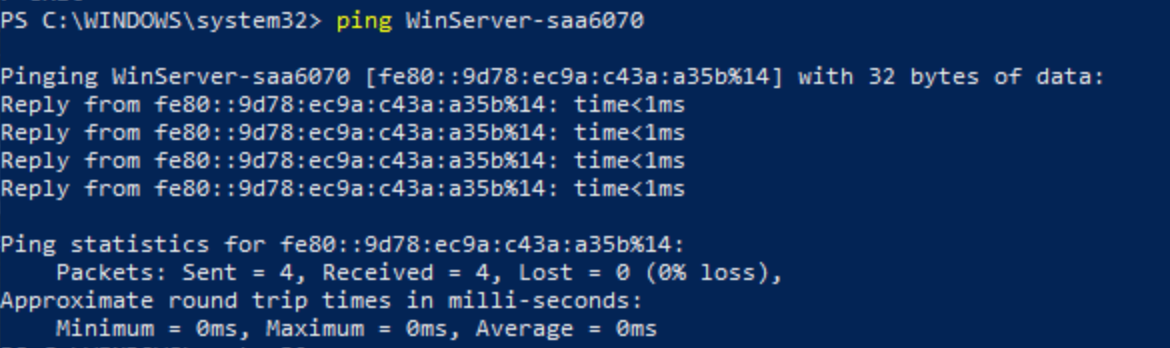
**Pinging Windows server to Windows 10**

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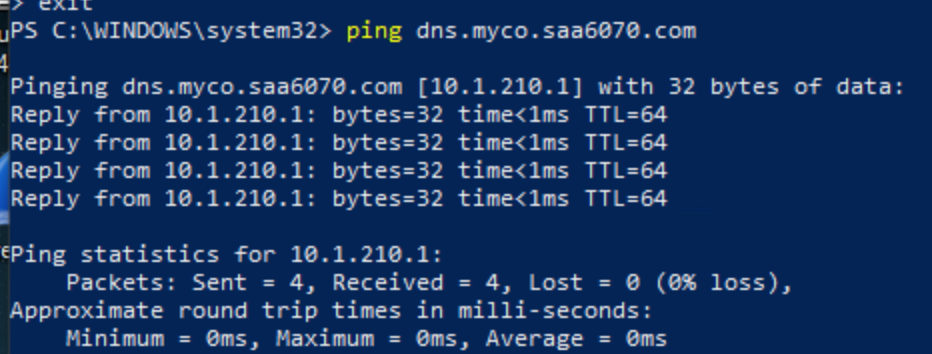
**Pinging Windows server to Centos**

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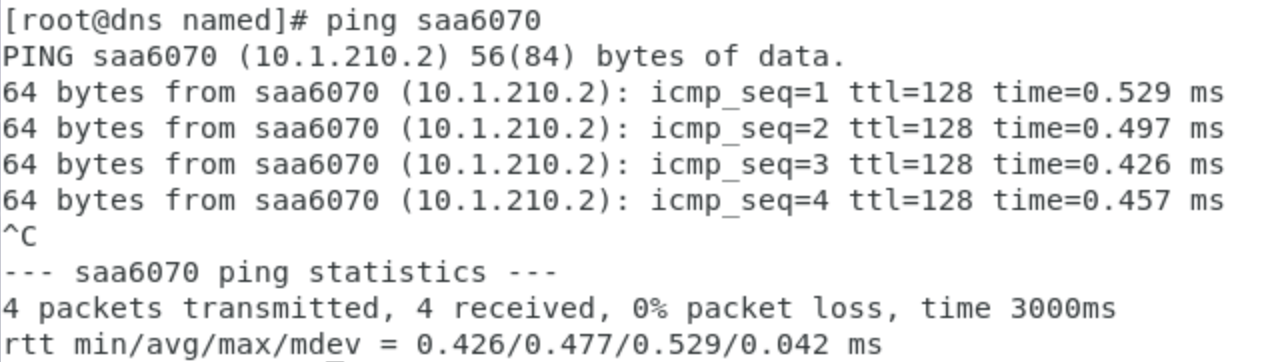
**Pinging Windows 10 to Windows Server**

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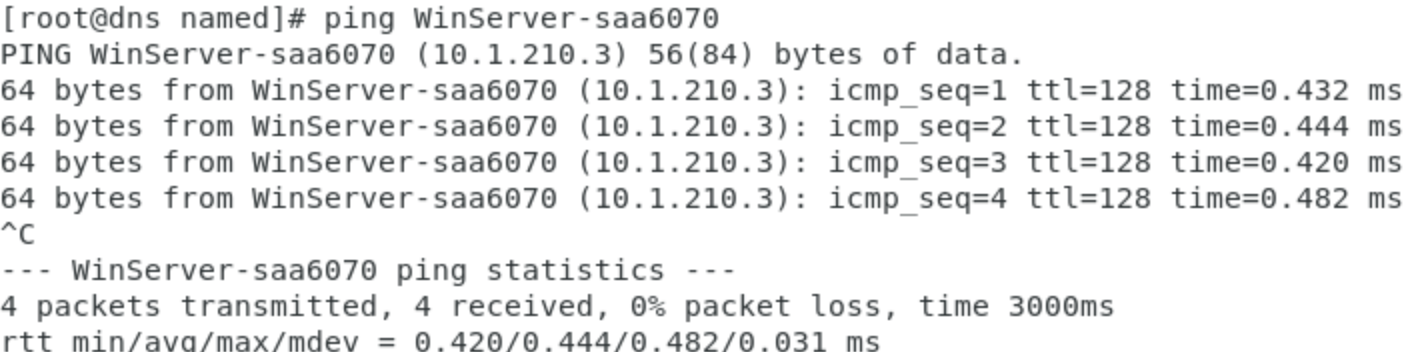
**Pinging Windows 10 to Centos**

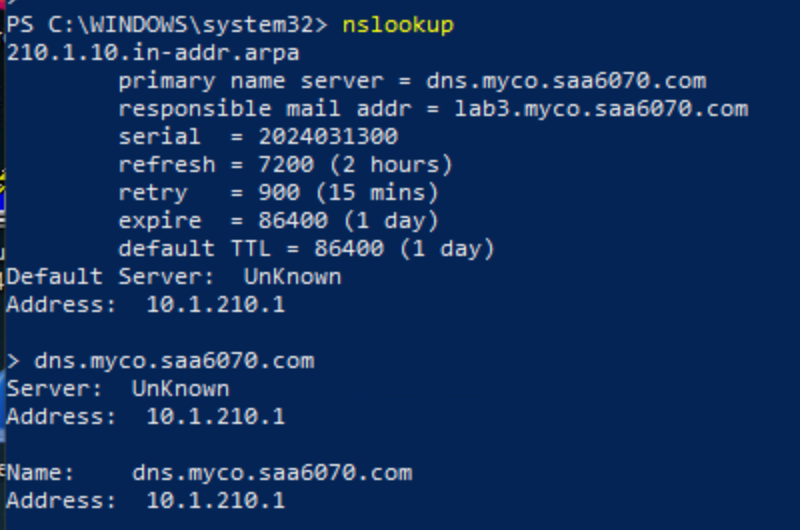
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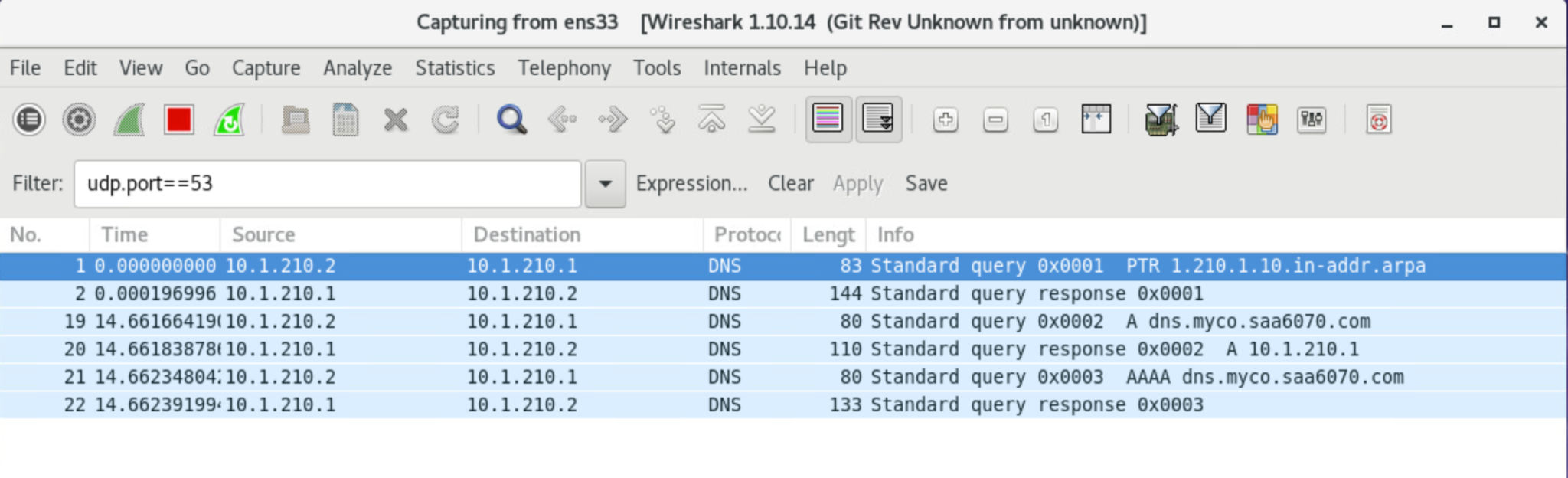
**Pinging Centos to Windows 10**

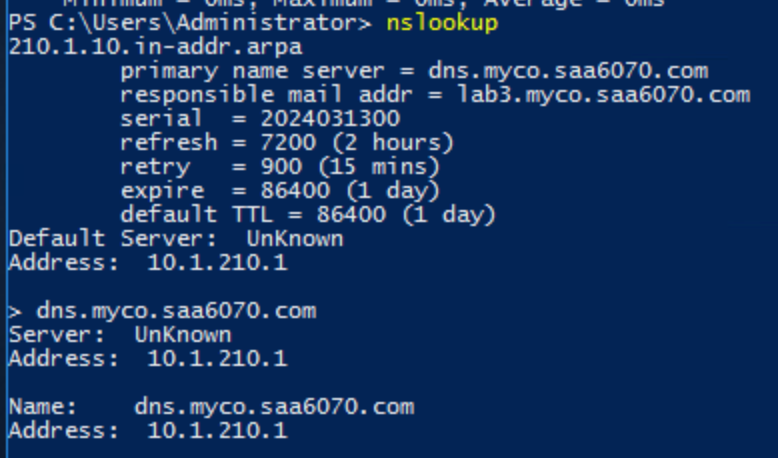
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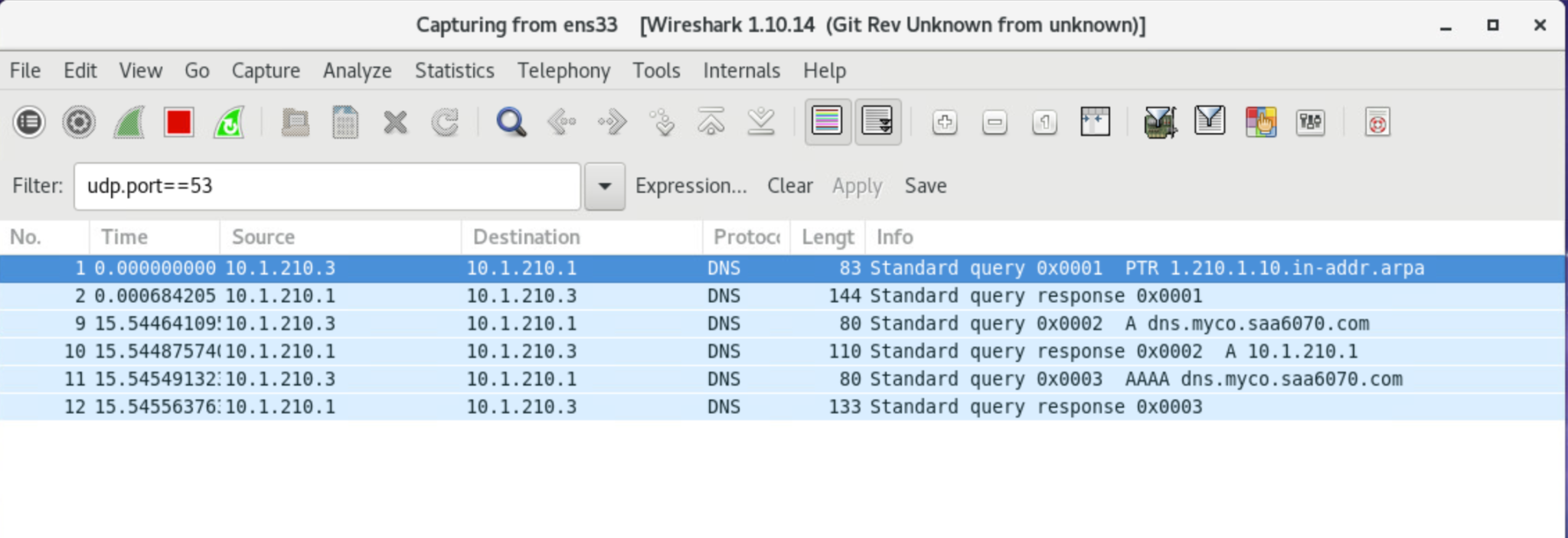
**Pinging Centos to Windows Server**

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**Using Wireshark to capture the nslookup**

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