

# Advanced Computer Networking & Security

## Lab Report : 7- DNS in a box

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Step : 1 : Initiate docker

```
Creating edu-10.9.0.60 ... done
Creating local-dns-10.9.0.53 ... done
Creating root-10.9.0.30 ... done
Creating example-edu-10.9.0.65 ... done
Creating seed-base-bind ... done
[10/21/21]seed@VM:~/.../Labsetup$
```

Step 2 : executing dig command to check the server

```
[10/21/21]seed@VM:~/.../Labsetup$ dig @10.9.0.65 www.example.edu

; <<>> DiG 9.16.1-Ubuntu <<>> @10.9.0.65 www.example.edu
; (1 server found)
;; global options: +cmd
;; Got answer:
;; ->>HEADER<<- opcode: QUERY, status: NOERROR, id: 44040
;; flags: qr aa rd; QUERY: 1, ANSWER: 1, AUTHORITY: 0, ADDITIONAL: 1
;; WARNING: recursion requested but not available

;; OPT PSEUDOSECTION:
; EDNS: version: 0, flags:; udp: 4096
; COOKIE: 2178dcbdb5dadfbc01000000617157ce80albed2b4aa6bd0 (good)
;; QUESTION SECTION:
;www.example.edu.                IN      A

;; ANSWER SECTION:
www.example.edu.                259200  IN      A      1.2.3.5
```

Step 3 : Now checking with abc.example.edu

```
seed@VM: ~/../Labsetup
;; MSG SIZE rcvd: 88

[10/21/21]seed@VM:~/../Labsetup$ dig @10.9.0.65 abc.example.edu

;<<>> DiG 9.16.1-Ubuntu <<>> @10.9.0.65 abc.example.edu
; (1 server found)
;; global options: +cmd
;; Got answer:
;; ->>HEADER<<- opcode: QUERY, status: NOERROR, id: 2483
;; flags: qr aa rd; QUERY: 1, ANSWER: 1, AUTHORITY: 0, ADDITIONAL: 1
;; WARNING: recursion requested but not available

;; OPT PSEUDOSECTION:
; EDNS: version: 0, flags:; udp: 4096
; COOKIE: 3eb45113e044bd101000000617158318cf78a46ab6d0c51 (good)
;; QUESTION SECTION:
;abc.example.edu.                IN      A

;; ANSWER SECTION:
abc.example.edu.                259200  IN      A      1.2.3.7
```

#### Step 4 : Turning off the docker

```
[10/21/21]seed@VM:~/../Labsetup$ docker-compose down
Stopping example-edu-10.9.0.65 ... done
Stopping root-10.9.0.30 ... done
Stopping local-dns-10.9.0.53 ... done
Stopping edu-10.9.0.60 ... done
WARNING: Found orphan containers (oracle-10.9.0.80, www-10.9.0.80) for this project. If you removed or renamed this service in your compose file, you can run this command with the --remove-orphans flag to clean it up.
Removing seed-base-bind ... done
Removing example-edu-10.9.0.65 ... done
Removing root-10.9.0.30 ... done
Removing local-dns-10.9.0.53 ... done
Removing edu-10.9.0.60 ... done
Removing network labsetup_default
Removing network seed-net
```

#### Step 5

```
*named.conf$seedlabs
edu.db

3      2008111001
4      8H
5      2H
6      4W
7      1D)
8
9; Records for this nameserver (you need to make changes)
10@      IN      NS      a.tld-edu-servers.edu.
11a.tld-edu-servers.edu. IN      A      10.9.0.60
12
13
14; Real records for syr.edu
15syr.edu.      IN      NS      ns1.syr.edu.
16ns1.syr.edu.      IN      A      128.230.12.8
17
18; Add records in the following
19syr.edu.      IN      NS      ns1.syr.edu.
20ns1.syr.edu.      IN      A      128.230.12.8
21
```

## Step 6

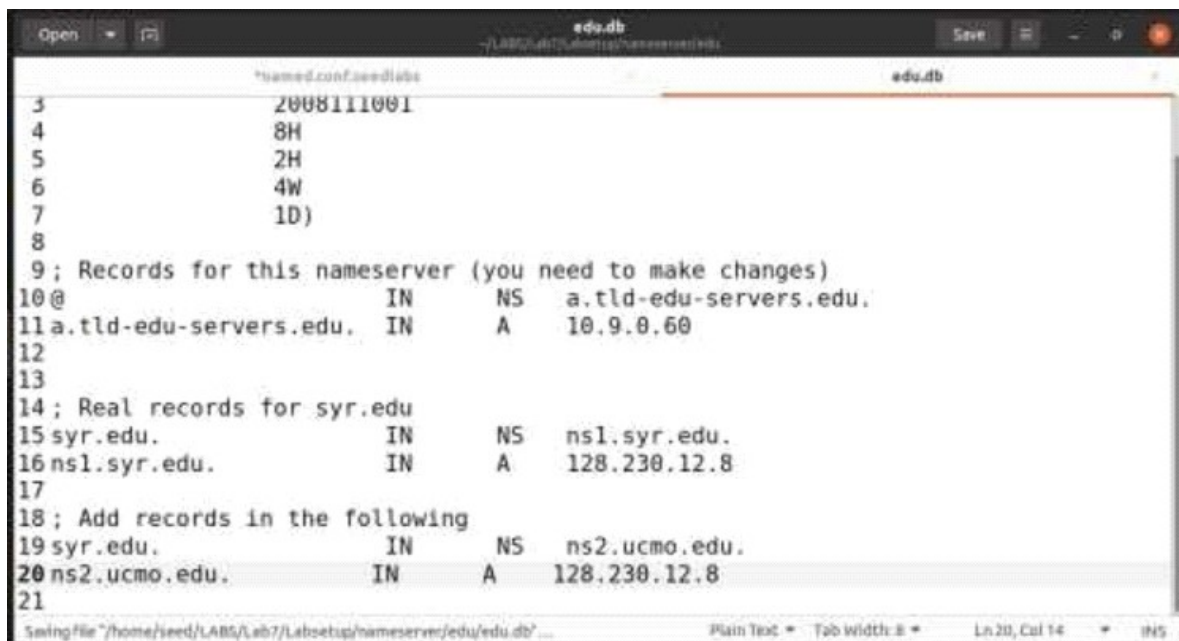
```
[10/21/21]seed@VM:~/.../Labsetup$ dig ucmo.edu NS
; <<>> DiG 9.16.1-Ubuntu <<>> ucmo.edu NS
;; global options: +cmd
;; Got answer:
;; ->>HEADER<<- opcode: QUERY, status: NOERROR, id: 5543
;; flags: qr rd ra; QUERY: 1, ANSWER: 2, AUTHORITY: 0, ADDITIONAL: 1

;; OPT PSEUDOSECTION:
; EDNS: version: 0, flags:; udp: 65494
;; QUESTION SECTION:
;ucmo.edu.                IN      NS

;; ANSWER SECTION:
ucmo.edu.                  5       IN      NS      ns1.ucmo.edu.
ucmo.edu.                  5       IN      NS      ns2.ucmo.edu.

;; Query time: 63 msec
;; SERVER: 127.0.0.53#53(127.0.0.53)
;; WHEN: Thu Oct 21 08:27:31 EDT 2021
```

## Step 7



```
Open  *named.conf:seedlabs  edu.db  Save
~/LABS/Lab7/Labsetup/nameserver/edu/edu.db
3      2008111001
4      8H
5      2H
6      4W
7      10)
8
9; Records for this nameserver (you need to make changes)
10@      IN      NS      a.tld-edu-servers.edu.
11a.tld-edu-servers.edu.  IN      A      10.9.0.60
12
13
14; Real records for syr.edu
15syr.edu.      IN      NS      ns1.syr.edu.
16ns1.syr.edu.  IN      A      128.230.12.8
17
18; Add records in the following
19syr.edu.      IN      NS      ns2.ucmo.edu.
20ns2.ucmo.edu. IN      A      128.230.12.8
21

Swing file ~/home/seed/LABS/Lab7/Labsetup/nameserver/edu/edu.db' ... Plain Text * Tab width: 8 * Ln 20, Col 14 * iNS
```

## Step 8

```
seed@VM: ~/Labsetup
; <<>> DiG 9.16.1-Ubuntu <<>> ns2.ucmo.edu
;; global options: +cmd
;; Got answer:
;; ->>HEADER<<- opcode: QUERY, status: NOERROR, id: 33810
;; flags: qr rd ra; QUERY: 1, ANSWER: 1, AUTHORITY: 0, ADDITIONAL: 1

;; OPT PSEUDOSECTION:
;; EDNS: version: 0, flags:; udp: 65494
;; QUESTION SECTION:
;ns2.ucmo.edu.                IN      A

;; ANSWER SECTION:
ns2.ucmo.edu.                 5       IN      A      153.91.1.52

;; Query time: 75 msec
;; SERVER: 127.0.0.53#53(127.0.0.53)
;; WHEN: Thu Oct 21 08:32:04 EDT 2021
;; MSG SIZE rcvd: 57
```

Step 9

```
*edu.db
~/.named.conf.seedlabs
Save
*edu.db

3      2008111001
4      8H
5      2H
6      4W
7      1D)
8
9 ; Records for this nameserver (you need to make changes)
10@      IN      NS      a.tld-edu-servers.edu.
11a.tld-edu-servers.edu. IN      A      10.9.0.60
12
13
14 ; Real records for syr.edu
15 syr.edu.      IN      NS      ns1.syr.edu.
16 ns1.syr.edu.  IN      A      128.230.12.8
17
18 ; Add records in the following
19 ucmo.edu      IN      NS      ns2.ucmo.edu.
20 ns2.ucmo.edu. IN      A      153.91.1.52
21
```

## Step 10

```
seed@VM: ~/.../Labsetup
Creating example-edu-10.9.0.65 ... done
[10/21/21]seed@VM:~/.../Labsetup$ dig @10.9.0.60 www.example.edu

; <<>> DiG 9.16.1-Ubuntu <<>> @10.9.0.60 www.example.edu
; (1 server found)
;; global options: +cmd
;; Got answer:
;; ->>HEADER<<- opcode: QUERY, status: NXDOMAIN, id: 51220
;; flags: qr aa rd; QUERY: 1, ANSWER: 0, AUTHORITY: 1, ADDITIONAL: 1
;; WARNING: recursion requested but not available

;; OPT PSEUDOSECTION:
; EDNS: version: 0, flags:; udp: 4096
; COOKIE: 82453d3967b86e31010000006171605eeee42b64c1474e56 (good)
;; QUESTION SECTION:
;www.example.edu.                IN      A

;; AUTHORITY SECTION:
edu.                3600    IN      SOA      a.tld-edu-servers.edu. admin.tld-e
du-servers.edu. 2008111001 28800 7200 2419200 86400
```

## Step 11

```
seed@VM: ~/.../Labsetup
;; flags: qr rd; QUERY: 1, ANSWER: 0, AUTHORITY: 1, ADDITIONAL: 2
;; WARNING: recursion requested but not available

;; OPT PSEUDOSECTION:
; EDNS: version: 0, flags:; udp: 4096
; COOKIE: 0dfc1d2fa3928e2a01000000617166530d24c2b4e572289d (good)
;; QUESTION SECTION:
;www.ucmo.edu.                IN      A

;; AUTHORITY SECTION:
ucmo.edu.                3600    IN      NS       ns2.ucmo.edu.

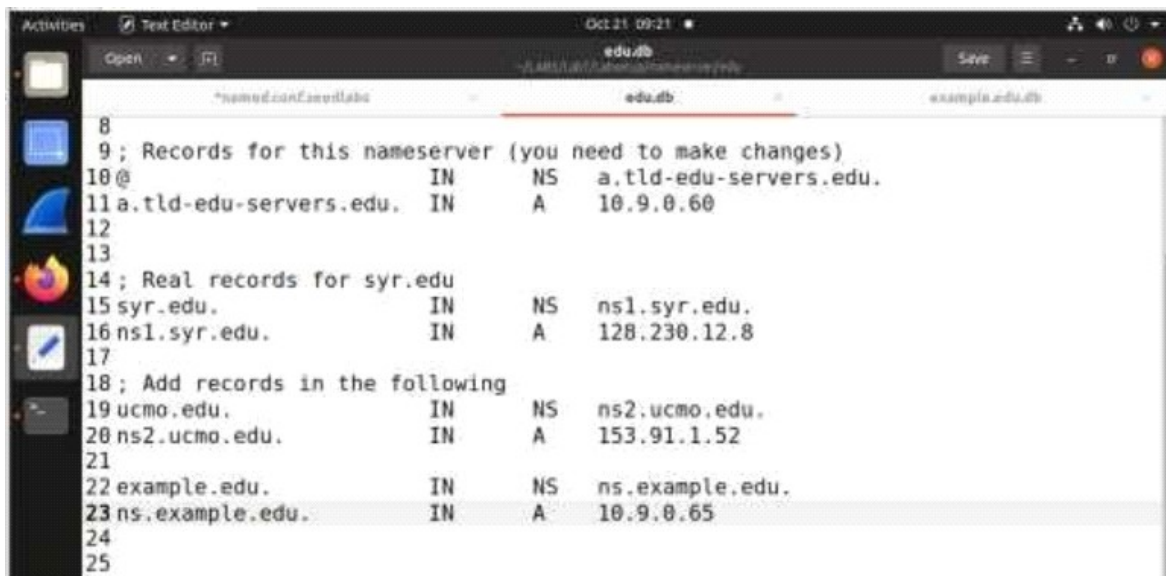
;; ADDITIONAL SECTION:
ns2.ucmo.edu.            3600    IN      A        153.91.1.52

;; Query time: 4 msec
;; SERVER: 10.9.0.60#53(10.9.0.60)
;; WHEN: Thu Oct 21 09:08:35 EDT 2021
;; MSG SIZE rcvd: 103
```



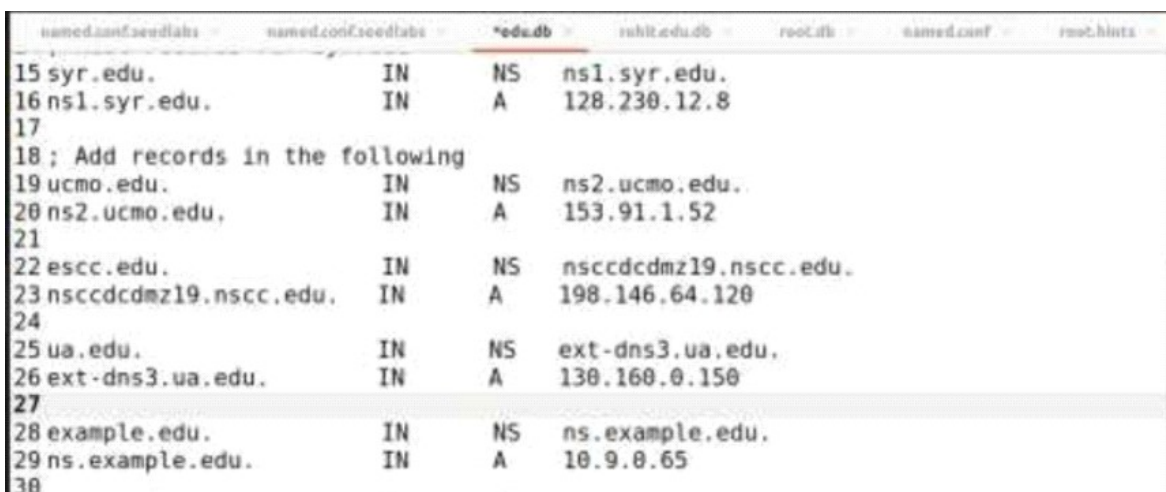


## Step 14



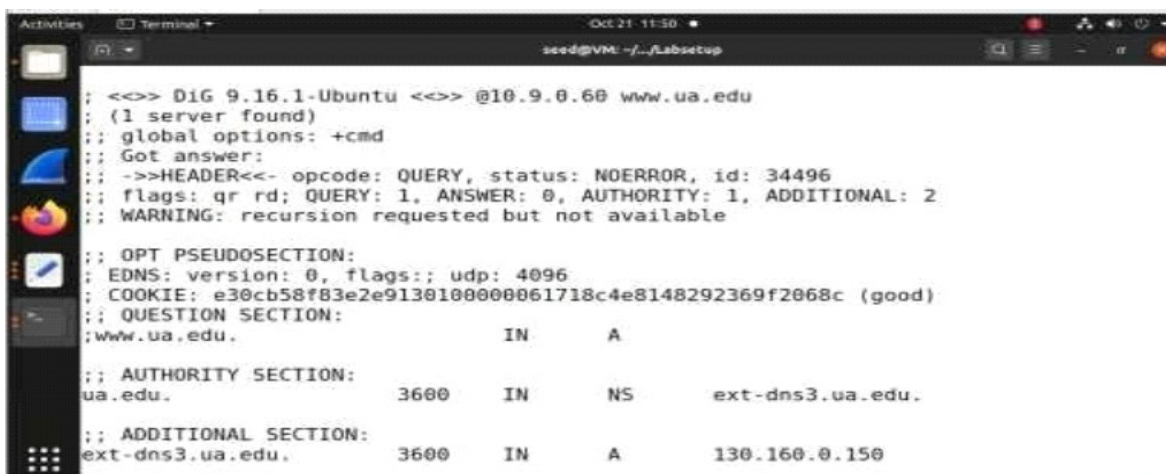
```
8
9 ; Records for this nameserver (you need to make changes)
10 @                IN      NS      a.tld-edu-servers.edu.
11 a.tld-edu-servers.edu. IN    A      10.9.0.60
12
13
14 ; Real records for syr.edu
15 syr.edu.          IN      NS      ns1.syr.edu.
16 ns1.syr.edu.      IN      A      128.230.12.8
17
18 ; Add records in the following
19 ucmo.edu.         IN      NS      ns2.ucmo.edu.
20 ns2.ucmo.edu.     IN      A      153.91.1.52
21
22 example.edu.      IN      NS      ns.example.edu.
23 ns.example.edu.   IN      A      10.9.0.65
24
25
```

## Step 15 Adding domains



```
named.conf.seedlabs - named.conf.seedlabs - *edu.db - ns1t.edu.db - root.db - named.conf - root.hints
15 syr.edu.          IN      NS      ns1.syr.edu.
16 ns1.syr.edu.      IN      A      128.230.12.8
17
18 ; Add records in the following
19 ucmo.edu.         IN      NS      ns2.ucmo.edu.
20 ns2.ucmo.edu.     IN      A      153.91.1.52
21
22 escc.edu.         IN      NS      nscccdcmz19.nsc.c.edu.
23 nscccdcmz19.nsc.c.edu. IN    A      198.146.64.120
24
25 ua.edu.           IN      NS      ext-dns3.ua.edu.
26 ext-dns3.ua.edu. IN      A      130.160.0.150
27
28 example.edu.      IN      NS      ns.example.edu.
29 ns.example.edu.   IN      A      10.9.0.65
30
```

## Step 16 Check for ua.edu



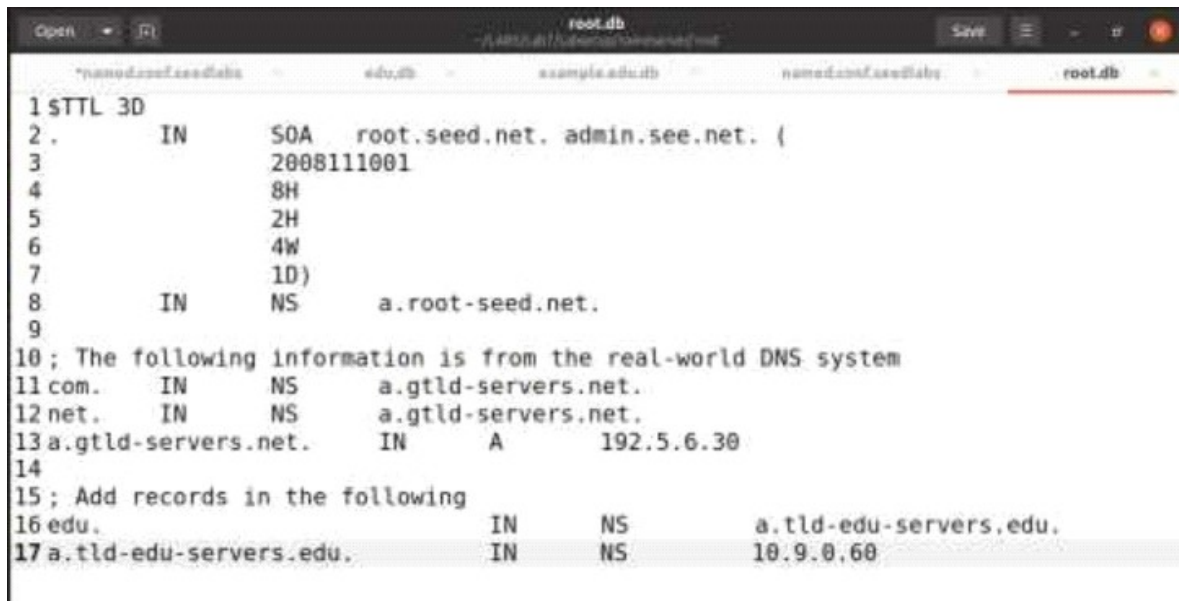
```
Activities Terminal
seed@VM: ~/LabSetup
; <<>> DiG 9.16.1-Ubuntu <<>> @10.9.0.60 www.ua.edu
; (1 server found)
;; global options: +cmd
;; Got answer:
;; ->HEADER<<- opcode: QUERY, status: NOERROR, id: 34496
;; flags: qr rd; QUERY: 1, ANSWER: 0, AUTHORITY: 1, ADDITIONAL: 2
;; WARNING: recursion requested but not available

;; OPT PSEUDOSECTION:
;; EDNS: version: 0, flags:; udp: 4096
;; COOKIE: e30cb58f83e2e91301080000061718c4e8148292369f2068c (good)
;; QUESTION SECTION:
;www.ua.edu.                IN      A

;; AUTHORITY SECTION:
ua.edu. 3600 IN NS ext-dns3.ua.edu.

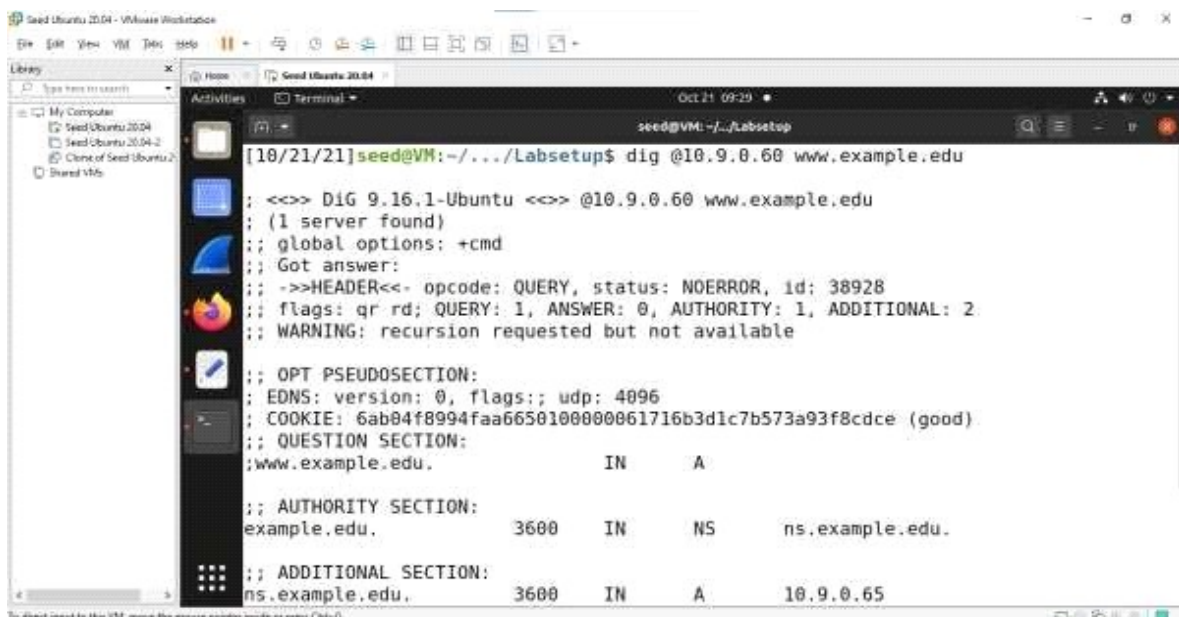
;; ADDITIONAL SECTION:
ext-dns3.ua.edu. 3600 IN A 130.160.0.150
```

## Step 17 Changing in root file



```
Open  root.db  Save
*named.conf.seedlabs  edu.db  example.edu.db  named.conf.seedlabs  root.db

1 $TTL 3D
2 .      IN      SOA    root.seed.net. admin.seed.net. (
3          2008111001
4          8H
5          2H
6          4W
7          1D)
8      IN      NS      a.root-seed.net.
9
10 ; The following information is from the real-world DNS system
11 com.      IN      NS      a.gtld-servers.net.
12 net.      IN      NS      a.gtld-servers.net.
13 a.gtld-servers.net.  IN      A      192.5.6.30
14
15 ; Add records in the following
16 edu.      IN      NS      a.tld-edu-servers.edu.
17 a.tld-edu-servers.edu.  IN      NS      10.9.0.60
```



```
Seed Ubuntu 20.04 - VMware Workstation
File Edit View VM Help
Library
  Type here to search
  My Computer
    Seed Ubuntu 20.04
    Seed Ubuntu 20.04-2
    Clone of Seed Ubuntu 2
    Shared VMs
Activities Terminal
  Oct 21 09:29
  seed@VM: ~/Labsetup
  [10/21/21]seed@VM:~/.../Labsetup$ dig @10.9.0.60 www.example.edu
  ;; <<>> DiG 9.16.1-Ubuntu <<>> @10.9.0.60 www.example.edu
  ;; (1 server found)
  ;; global options: +cmd
  ;; Got answer:
  ;; ->HEADER<- opcode: QUERY, status: NOERROR, id: 38928
  ;; flags: qr rd; QUERY: 1, ANSWER: 0, AUTHORITY: 1, ADDITIONAL: 2
  ;; WARNING: recursion requested but not available
  ;; OPT PSEUDOSECTION:
  ;; EDNS: version: 0, flags:; udp: 4096
  ;; COOKIE: 6ab04f8994faa6650100000061716b3d1c7b573a93f8cdce (good)
  ;; QUESTION SECTION:
  ;; www.example.edu.      IN      A
  ;; AUTHORITY SECTION:
  example.edu.      3600    IN      NS      ns.example.edu.
  ;; ADDITIONAL SECTION:
  ns.example.edu.      3600    IN      A      10.9.0.65
```

## Step 18 dig uk NS



```

[10/21/21]seed@VM:~/../Labsetup$ dig uk NS

; <<>> DiG 9.16.1-Ubuntu <<>> uk NS
;; global options: +cmd
;; Got answer:
;; ->>HEADER<<- opcode: QUERY, status: NOERROR, id: 14041
;; flags: qr rd ra; QUERY: 1, ANSWER: 8, AUTHORITY: 0, ADDITIONAL: 1

;; OPT PSEUDOSECTION:
;; EDNS: version: 0, flags:; udp: 65494
;; QUESTION SECTION:
;uk.                                IN      NS

;; ANSWER SECTION:
uk.          5      IN      NS      nsa.nic.uk.
uk.          5      IN      NS      nsb.nic.uk.
uk.          5      IN      NS      nsc.nic.uk.
uk.          5      IN      NS      nsd.nic.uk.
uk.          5      IN      NS      dns1.nic.uk.
uk.          5      IN      NS      dns2.nic.uk.

```

Step 19 Adding canada

```

named.conf.seedlabs      named.conf.seedlabs      edu.db      root.hints
0      4W
7      10)
8      IN      NS      a.root-seed.net.
9
10; The following information is from the real-world DNS system
11com.      IN      NS      a.gtld-servers.net.
12net.      IN      NS      a.gtld-servers.net.
13a.gtld-servers.net.      IN      A      192.5.6.30
14
15; Add records in the following
16edu.      IN      NS      a.tld-edu-servers.edu.
17a.tld-edu-servers.edu.      IN      A      10.9.0.60
18
19uk.      IN      NS      nsb.nic.uk.
20nsb.nic.uk.      IN      A      156.154.101.3
21
22ca.      IN      NS      c.ca-servers.ca.
23c.ca-servers.ca.      IN      NS      185.159.196.2
24

```

## Task 5

```

Activities      Text Editor
root.hints
1 .      3600000      NS      a.root-seed.net.
2 a.root-seed.net.      3600000      A      10.9.0.30

```

```
Activities Terminal • Oct 21 10:30 • seed@VM: ~/../Labsetup
[10/21/21]seed@VM:~/../Labsetup$ dig @10.9.0.53 www.example.edu

; <<>> DiG 9.16.1-Ubuntu <<>> @10.9.0.53 www.example.edu
; (1 server found)
;; global options: +cmd
;; Got answer:
;; ->>HEADER<<- opcode: QUERY, status: NOERROR, id: 15114
;; flags: qr rd ra; QUERY: 1, ANSWER: 1, AUTHORITY: 0, ADDITIONAL: 1

;; OPT PSEUDOSECTION:
;; EDNS: version: 0, flags:; udp: 4096
;; COOKIE: c6991f0e4453b7dd010000006171795b3116b7a96628e324 (good)
;; QUESTION SECTION:
;www.example.edu.                IN      A

;; ANSWER SECTION:
www.example.edu.                259200  IN      A      1.2.3.5

;; Query time: 28 msec
;; SERVER: 10.9.0.53#53(10.9.0.53)
;; WHEN: Thu Oct 21 10:29:47 EDT 2021
```

```
Activities Terminal • Oct 21 10:30 • seed@VM: ~/../Labsetup
[10/21/21]seed@VM:~/../Labsetup$ dig @10.9.0.53 www.ucmo.edu

; <<>> DiG 9.16.1-Ubuntu <<>> @10.9.0.53 www.ucmo.edu
; (1 server found)
;; global options: +cmd
;; Got answer:
;; ->>HEADER<<- opcode: QUERY, status: NOERROR, id: 40057
;; flags: qr rd ra; QUERY: 1, ANSWER: 1, AUTHORITY: 0, ADDITIONAL: 1

;; OPT PSEUDOSECTION:
;; EDNS: version: 0, flags:; udp: 4096
;; COOKIE: c87ca6bb29d4da4501000000617179824299ae76a6544508 (good)
;; QUESTION SECTION:
;www.ucmo.edu.                  IN      A

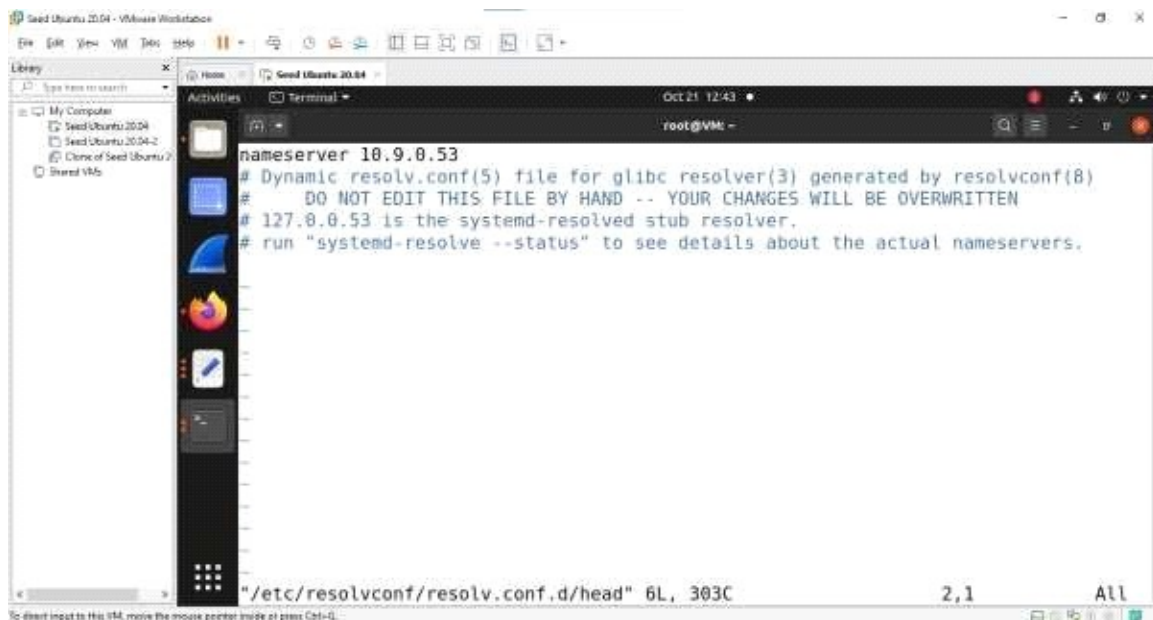
;; ANSWER SECTION:
www.ucmo.edu.                  3600    IN      A      153.91.1.10

;; Query time: 91 msec
;; SERVER: 10.9.0.53#53(10.9.0.53)
;; WHEN: Thu Oct 21 10:30:26 EDT 2021
```

```
Activities Terminal Oct 21 10:32 seed@VM: ~/../Labsetup
;; MSG SIZE rcvd: 85
[10/21/21]seed@VM:~/../Labsetup$ dig @10.9.0.53 www.cnn.uk
; <<>> DiG 9.16.1-Ubuntu <<>> @10.9.0.53 www.cnn.uk
; (1 server found)
;; global options: +cmd
;; Got answer:
;; ->>HEADER<<- opcode: QUERY, status: NOERROR, id: 38390
;; flags: qr rd ra; QUERY: 1, ANSWER: 2, AUTHORITY: 0, ADDITIONAL: 1
;; OPT PSEUDOSECTION:
;; EDNS: version: 0, flags:; udp: 4096
;; COOKIE: d37f731122be464001000000617179d65e8d2e0876bd4678 (good)
;; QUESTION SECTION:
;www.cnn.uk. IN A
;; ANSWER SECTION:
www.cnn.uk. 14400 IN CNAME cnn.uk.
cnn.uk. 14400 IN A 89.187.86.205
```

```
Activities Terminal Oct 21 10:32 seed@VM: ~/../Labsetup
;; MSG SIZE rcvd: 97
[10/21/21]seed@VM:~/../Labsetup$ dig @10.9.0.53 www.cnn.in
; <<>> DiG 9.16.1-Ubuntu <<>> @10.9.0.53 www.cnn.in
; (1 server found)
;; global options: +cmd
;; Got answer:
;; ->>HEADER<<- opcode: QUERY, status: NXDOMAIN, id: 65497
;; flags: qr rd ra; QUERY: 1, ANSWER: 0, AUTHORITY: 1, ADDITIONAL: 1
;; OPT PSEUDOSECTION:
;; EDNS: version: 0, flags:; udp: 4096
;; COOKIE: 635f4fd67a21821c0100000061717a12dadeae7fe7790e4a (good)
;; QUESTION SECTION:
;www.cnn.in. IN A
;; AUTHORITY SECTION:
. 10800 IN SOA root.seed.net. admin.see.net. 2008
111001 28800 7200 2419200 86400
```

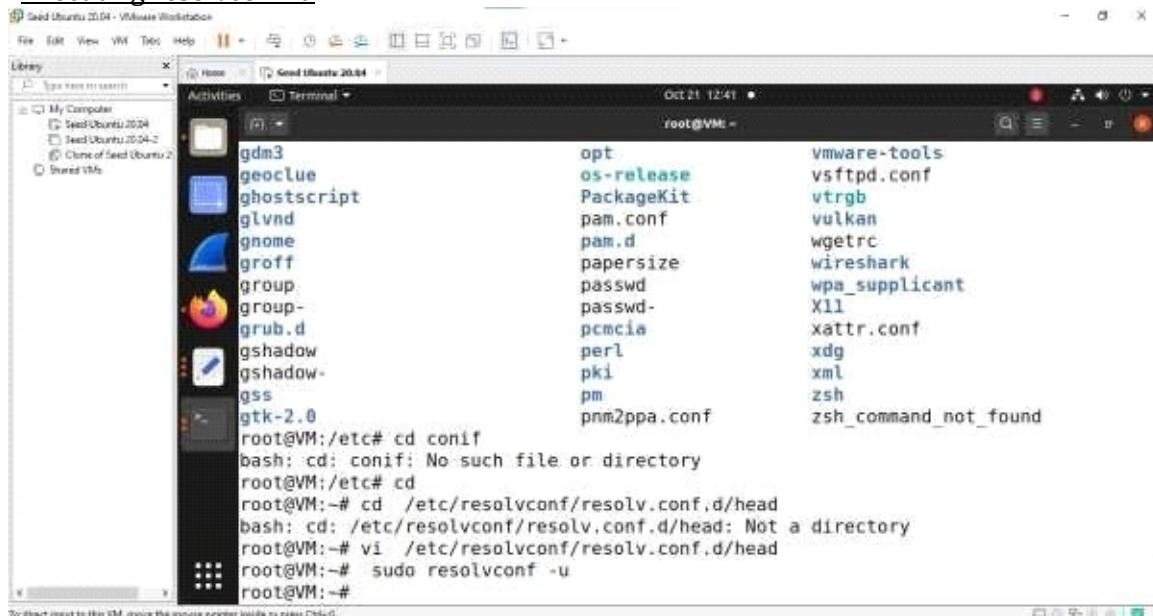
Task 6: Configure our VM to use this local DNS server



```
nameserver 18.9.0.53
# Dynamic resolv.conf(5) file for glibc resolver(3) generated by resolvconf(8)
#     DO NOT EDIT THIS FILE BY HAND -- YOUR CHANGES WILL BE OVERWRITTEN
# 127.0.0.53 is the systemd-resolved stub resolver.
# run "systemd-resolve --status" to see details about the actual nameservers.

"/etc/resolvconf/resolv.conf.d/head" 6L, 303C      2,1      All
```

### Executing resolvconf -u



```
gdm3
geoclue
ghostscript
glvnd
gnome
groff
group
group-
grub.d
gshadow
gshadow-
gss
gtk-2.0
opt
os-release
PackageKit
pam.conf
pam.d
papersize
passwd
passwd-
pcmcia
perl
pki
pm
pnm2ppa.conf
vmware-tools
vsftpd.conf
vtrgb
vulkan
wgetrc
wireshark
wpa_supplicant
X11
xattr.conf
xdg
xml
zsh
zsh_command_not_found

root@VM:/etc# cd conif
bash: cd: conif: No such file or directory
root@VM:/etc# cd
root@VM:~# cd /etc/resolvconf/resolv.conf.d/head
bash: cd: /etc/resolvconf/resolv.conf.d/head: Not a directory
root@VM:~# vi /etc/resolvconf/resolv.conf.d/head
root@VM:~# sudo resolvconf -u
root@VM:~#
```

### Successfully removed the ip address and checked using dig



```
Seed Ubuntu 20.04 - VMware Workstation
File Edit View VM Help
Library
My Computer
Seed Ubuntu 20.04
Seed Ubuntu 20.04-2
Clone of Seed Ubuntu 2
Shared VMs
Activities
Terminal
Oct 21 12:41
seed@VM: ~/Labsetup
[10/21/21]seed@VM:~/Labsetup$ dig abc.example.edu

;<<>> DiG 9.16.1-Ubuntu <<>> abc.example.edu
;; global options: +cmd
;; Got answer:
;->HEADER<- opcode: QUERY, status: NOERROR, id: 60470
;; flags: qr rd ra; QUERY: 1, ANSWER: 1, AUTHORITY: 0, ADDITIONAL: 1

;; OPT PSEUDOSECTION:
EDNS: version: 0, flags:; udp: 4096
COOKIE: 2a4e804fed8d44ca01000000617196b8cc497abf527c6d24 (good)
;; QUESTION SECTION:
abc.example.edu.                IN      A

;; ANSWER SECTION:
abc.example.edu.                259200 IN      A      1.2.3.7

;; Query time: 16 msec
;; SERVER: 10.9.0.53#53(10.9.0.53)
;; WHEN: Thu Oct 21 12:35:04 EDT 2021
;; MSG SIZE rcvd: 88

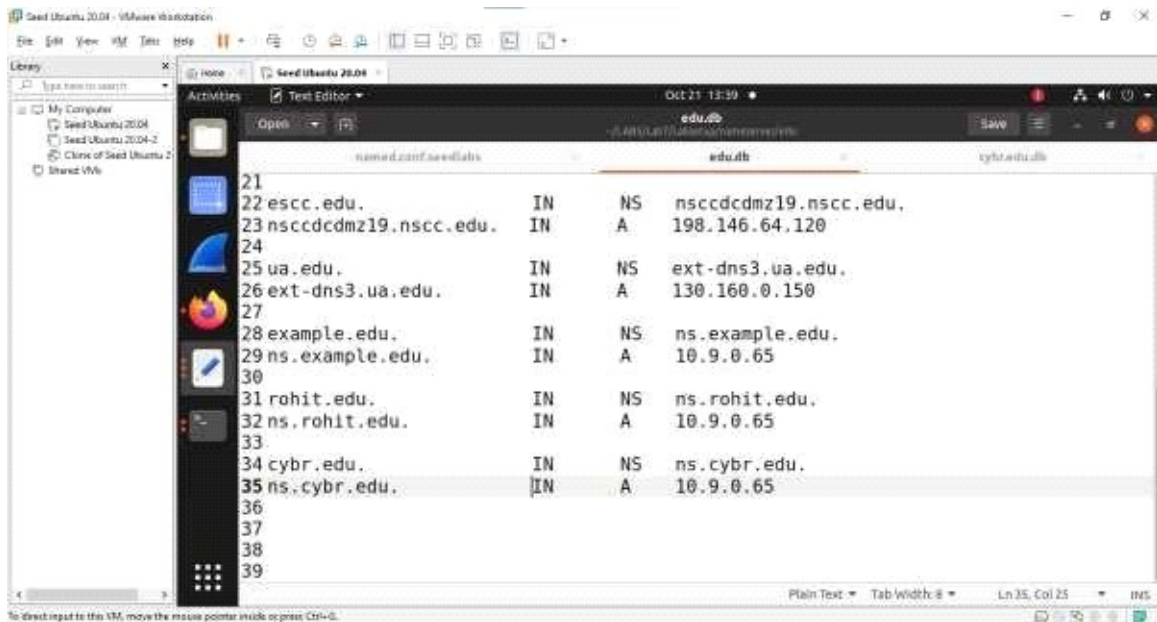
To direct input to this VM, move the mouse pointer inside or press Ctrl+G.
```

## Task 7: Making It More Realistic

```
Seed Ubuntu 20.04 - VMware Workstation
File Edit View VM Help
Library
My Computer
Seed Ubuntu 20.04
Seed Ubuntu 20.04-2
Clone of Seed Ubuntu 2
Shared VMs
Activities
Text Editor
Oct 21 11:10
~/Labsetup/seedlab/seedlab/rohit.edu.db
Save
named.conf.seedlab named.conf.seedlab edu.db rohit.edu.db root.db named.conf root.hints
1 $TTL 30
2 @      IN      SOA  ns.rohit.edu. admin.rohit.edu. (
3        2008111001
4        8H
5        2H
6        4W
7        1D)
8
9 ; Records for this nameserver (you need to make changes)
10 @     IN      NS   ns.rohit.edu.
11 ns.rohit.edu IN  A   10.9.0.65
12
13
14 ; IP addresses for the hostnames in the example.edu domain
15 @     IN      A     1.2.3.5
16 www   IN      A     1.2.3.5
17 xyz   IN      A     1.2.3.6
18 *     IN      A     1.2.3.7

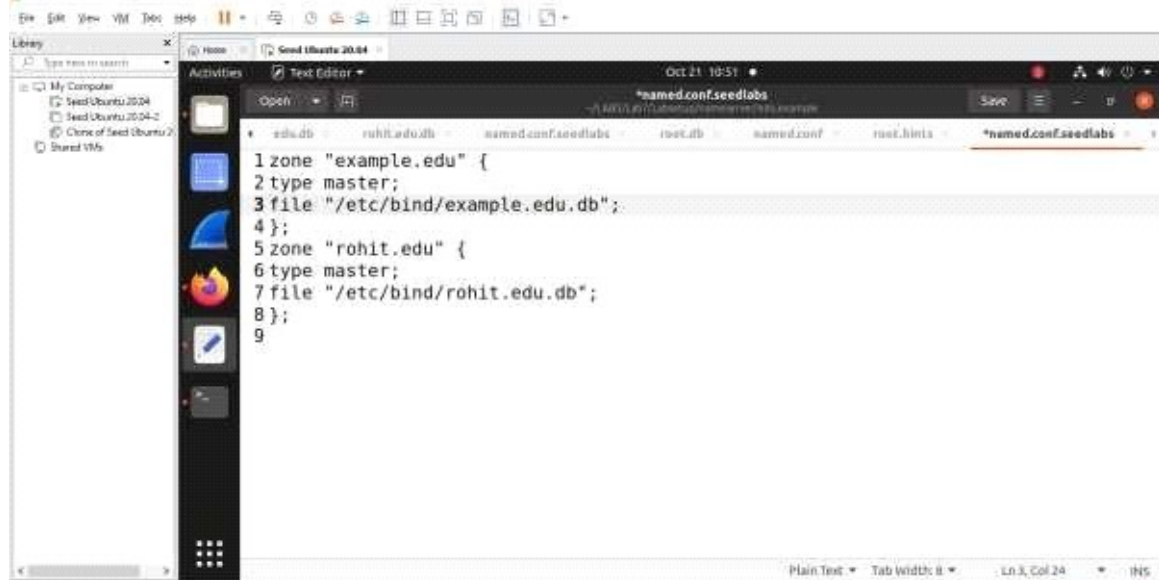
Plain Text Tab Width: 8 Ln 1, Col 8 iNS
To direct input to this VM, move the mouse pointer inside or press Ctrl+G.
```





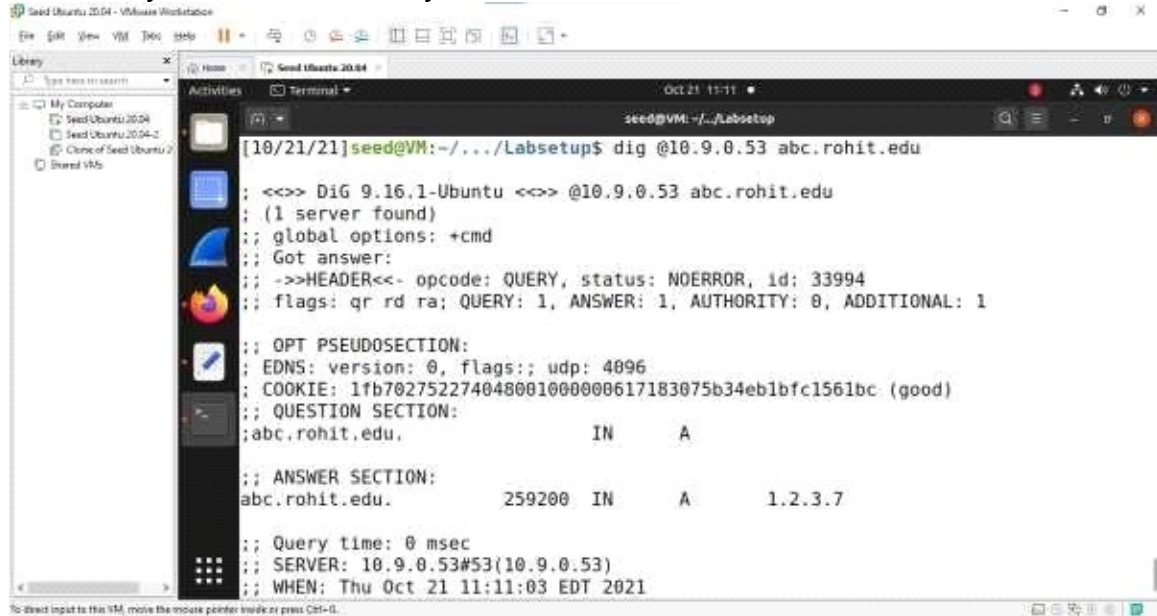
To direct input to this VM, move the mouse pointer inside or press Ctrl+G.

Seed Ubuntu 20.04 - VMware Workstation



To direct input to this VM, move the mouse pointer inside or press Ctrl+G.

## Successfully zone is created on my name



```
[10/21/21]seed@VM:~/.../Labsetup$ dig @10.9.0.53 abc.rohit.edu

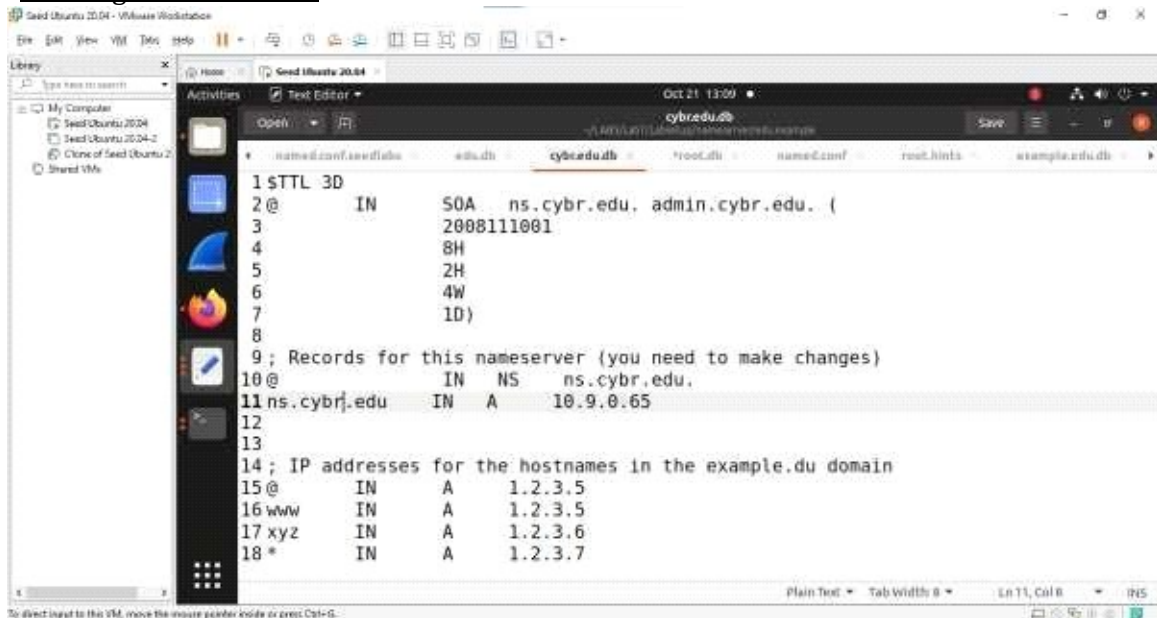
; <<>> DiG 9.16.1-Ubuntu <<>> @10.9.0.53 abc.rohit.edu
; (1 server found)
; global options: +cmd
; Got answer:
; ->>HEADER<<- opcode: QUERY, status: NOERROR, id: 33994
; flags: qr rd ra; QUERY: 1, ANSWER: 1, AUTHORITY: 0, ADDITIONAL: 1

; OPT PSEUDOSECTION:
; EDNS: version: 0, flags:;, udp: 4096
; COOKIE: 1fb702752274048001000000617183075b34eb1bfc1561bc (good)
; QUESTION SECTION:
; abc.rohit.edu.                IN      A

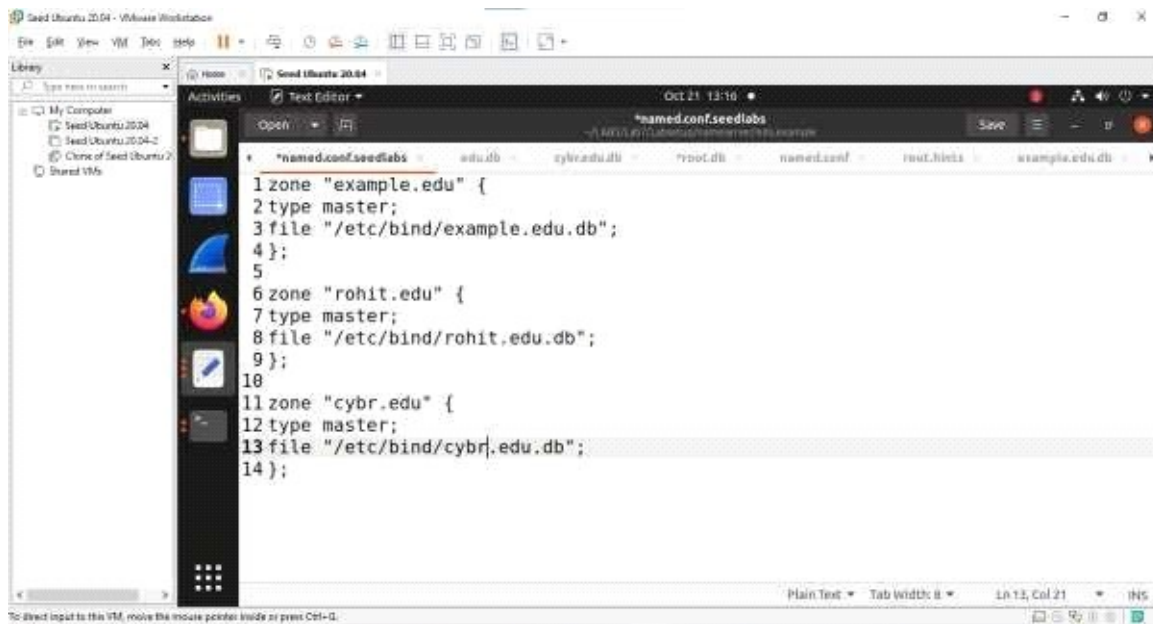
; ANSWER SECTION:
abc.rohit.edu.                259200 IN      A      1.2.3.7

; Query time: 0 msec
; SERVER: 10.9.0.53#53(10.9.0.53)
; WHEN: Thu Oct 21 11:11:03 EDT 2021
```

## Creating one more zone



```
1 $TTL 3D
2 @      IN      SOA      ns.cybr.edu, admin.cybr.edu. (
3         2008111001
4         8H
5         2H
6         4W
7         1D)
8
9 ; Records for this nameserver (you need to make changes)
10 @      IN      NS       ns.cybr.edu.
11 ns.cybr.edu  IN  A       10.9.0.65
12
13
14 ; IP addresses for the hostnames in the example.edu domain
15 @      IN      A        1.2.3.5
16 www    IN      A        1.2.3.5
17 xyz     IN      A        1.2.3.6
18 *      IN      A        1.2.3.7
```



Successfully checked with another zone too

