

HOMEWORK #9 NETWORKING FUNDAMENTALS

Mission 1

```
Oracle VM  
VirtualBox  
  
Documents  
Shortcuts  
  
Downloads  
Shortcut  
  
Windows File Explorer  
Search  
  
8 93.184.216.34 (93.184.216.34) 3.763 ms 3.412 ms 3.153 ms  
tua19530@Williams-MBP VirtualMachineSetUp_4_7_20 % nslookup -type=MX starwars.com  
Server: 192.168.1.1  
Address: 192.168.1.1#53  
  
Non-authoritative answer:  
starwars.com mail exchanger = 10 aspmx3.googlemail.com.  
starwars.com mail exchanger = 1 aspmx.l.google.com.  
starwars.com mail exchanger = 5 alt2.aspmx.l.google.com.  
starwars.com mail exchanger = 10 aspmx2.googlemail.com.  
starwars.com mail exchanger = 5 alt1.aspx.l.google.com.  
  
Authoritative answers can be found from:  
alt2.aspmx.l.google.com internet address = 209.85.202.26  
alt2.aspmx.l.google.com has AAAA address 2a00:1450:400b:c00::1b  
aspmx2.googlemail.com internet address = 64.233.186.27  
  
tua19530@Williams-MBP VirtualMachineSetUp_4_7_20 % cd  
tua19530@Williams-MBP ~ %
```

- New primary mail server is asltx.1.google.com and the second is asltx.2.google.com
 - New correct DNS record would have to add the new server provided. Asltx.1.google.com and asltx.2.google.com

Mission 2

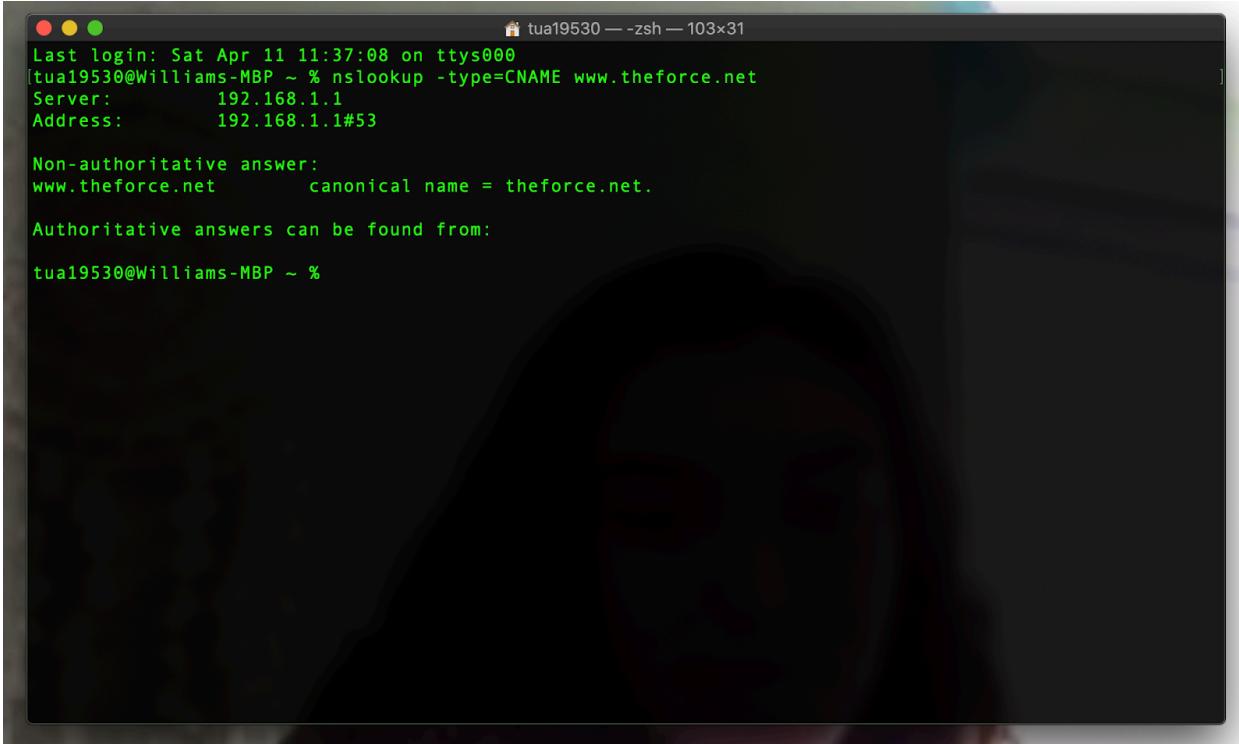
```
tua19530@Williams-MBP ~ % nslookup -type=txt theforce.net
Server:      192.168.1.1
Address:     192.168.1.1#53

Non-authoritative answer:
theforce.net  text = "google-site-verification=ycgY7mtk2oUZMagcffhFL_Qaf8Lc9tMRkZZSuig0d6w"
theforce.net  text = "google-site-verification=XTU_We07Cux-6WCSoIt0c_WS29hz92jPE341ckb0Q"
theforce.net  text = "v=spf1 a mx smtp.secureserver.net include:aspmx.googlemail.com ip4:104.156.250.80 ip4:45.63.15.159 ip4:45.63.4.2
15"

Authoritative answers can be found from:

tua19530@Williams-MBP ~ %
```

Mission 3

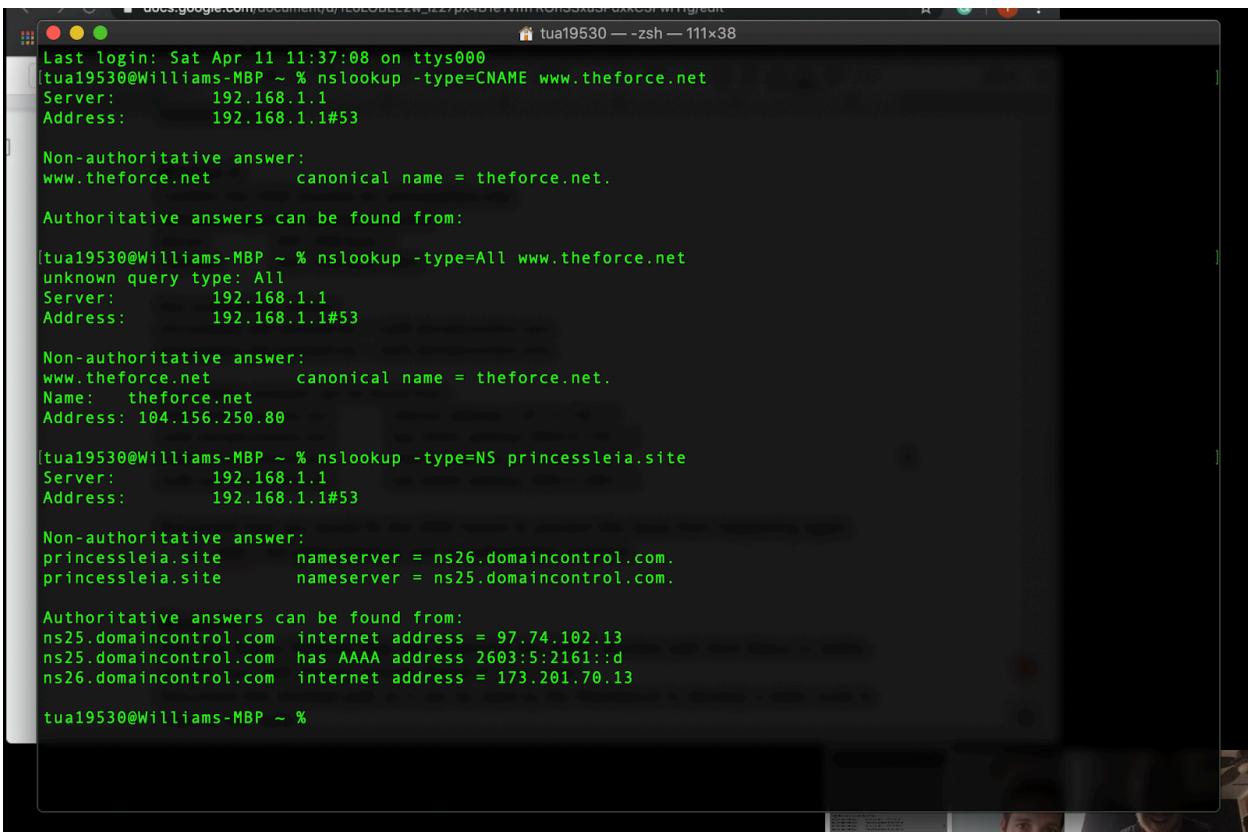


```
tua19530 ~ -zsh - 103x31
Last login: Sat Apr 11 11:37:08 on ttys000
[tua19530@Williams-MBP ~ % nslookup -type=CNAME www.theforce.net
Server:      192.168.1.1
Address:     192.168.1.1#53

Non-authoritative answer:
www.theforce.net      canonical name = theforce.net.

Authoritative answers can be found from:
tua19530@Williams-MBP ~ %
```

Mission 4



The screenshot shows a terminal window on a Mac OS X desktop. The title bar reads "docs.google.com/.../u0/1E0E0B1EW_3227/presentation/1KmJ5AduSIQXKQ3JWtFg/edit". The command "tua19530 ~ -zsh - 11x38" is at the top. The terminal output is as follows:

```
Last login: Sat Apr 11 11:37:08 on ttys000
tua19530@Williams-MBP ~ % nslookup -type=CNAME www.theforce.net
Server:      192.168.1.1
Address:    192.168.1.1#53

Non-authoritative answer:
www.theforce.net      canonical name = theforce.net.

Authoritative answers can be found from:

tua19530@Williams-MBP ~ % nslookup -type=All www.theforce.net
unknown query type: All
Server:      192.168.1.1
Address:    192.168.1.1#53

Non-authoritative answer:
www.theforce.net      canonical name = theforce.net.
Name:   theforce.net
Address: 104.156.250.80

tua19530@Williams-MBP ~ % nslookup -type=NS princessleia.site
Server:      192.168.1.1
Address:    192.168.1.1#53

Non-authoritative answer:
princessleia.site      nameserver = ns26.domaincontrol.com.
princessleia.site      nameserver = ns25.domaincontrol.com.

Authoritative answers can be found from:
ns25.domaincontrol.com  internet address = 97.74.102.13
ns25.domaincontrol.com  has AAAA address 2603:5:2161::d
ns26.domaincontrol.com  internet address = 173.201.70.13

tua19530@Williams-MBP ~ %
```

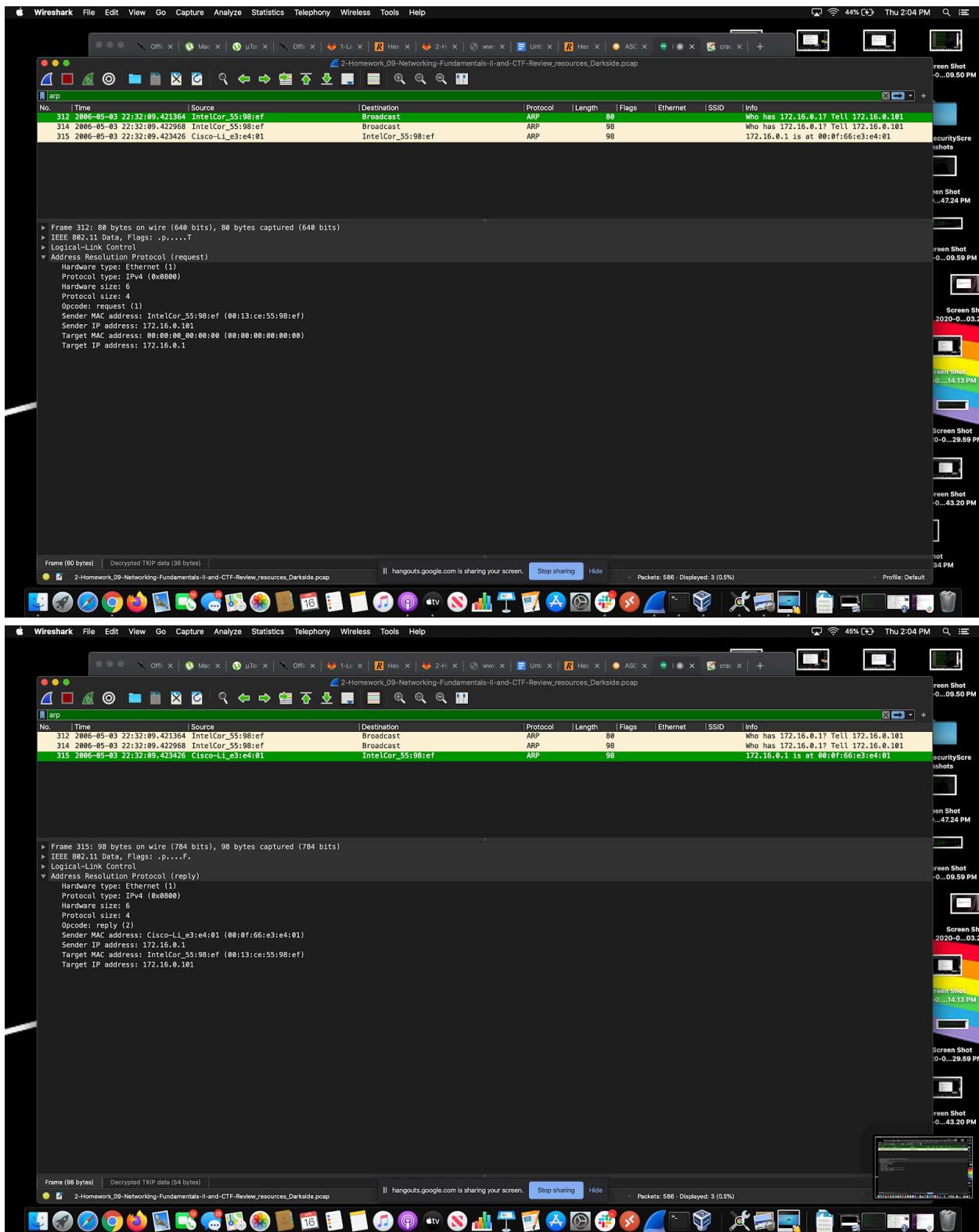
Document how you would fix the DNS record to prevent this issue from happening again.

- **Add ns2.galaxybackup.com to authoritative answers.**

Mission 5

Batuu - D - O - R - Q - T - V - Jedha = 22

Mission 6



Mission 7

```
nslookup -type=txt princessleia.site  
telnet towel.blinkenlights.nl
```

