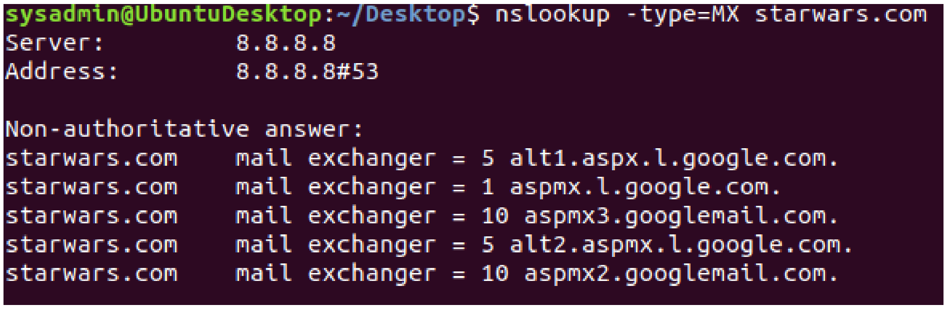
Mission 1

- **nslookup -type=MX starwars.com**



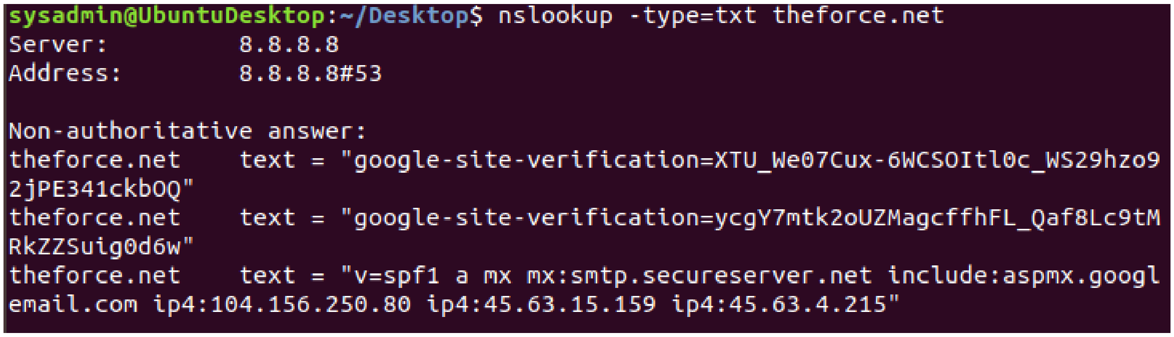
```
sysadmin@UbuntuDesktop:~/Desktop$ nslookup -type=MX starwars.com
Server:         8.8.8.8
Address:        8.8.8.8#53

Non-authoritative answer:
starwars.com    mail exchanger = 5 alt1.aspx.l.google.com.
starwars.com    mail exchanger = 1 aspmx.l.google.com.
starwars.com    mail exchanger = 10 aspmx3.googlemail.com.
starwars.com    mail exchanger = 5 alt2.aspmx.l.google.com.
starwars.com    mail exchanger = 10 aspmx2.googlemail.com.
```

- The Resistance isn't receiving any emails currently due to the fact that their MX record has not been updated with the newly given DNS servers being…
- **asltx.1.google.com**
- **asltx.2.google.com**

Mission 2

- **nslookup -type=TXT theforce.net**



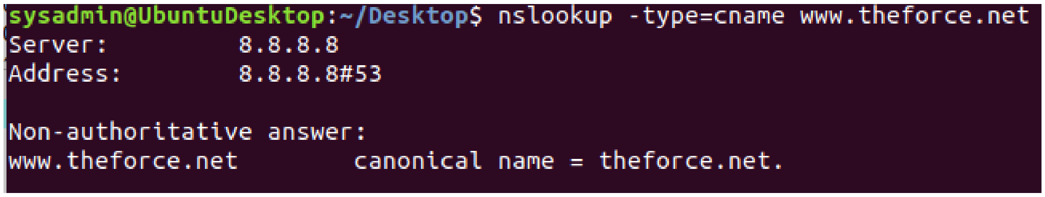
```
sysadmin@UbuntuDesktop:~/Desktop$ nslookup -type=txt theforce.net
Server:         8.8.8.8
Address:        8.8.8.8#53

Non-authoritative answer:
theforce.net    text = "google-site-verification=XTU_We07Cux-6WCSOItl0c_WS29hzo9
2jPE341ckbOQ"
theforce.net    text = "google-site-verification=ycgY7mtk2oUZMagcffhFL_Qaf8Lc9tM
RkZZSuig0d6w"
theforce.net    text = "v=spf1 a mx mx:smtp.secureserver.net include:aspmx.googl
email.com ip4:104.156.250.80 ip4:45.63.15.159 ip4:45.63.4.215"
```

- Current server IP address in the SPF record is inaccurate. The Force must update their DNS txt record to reflect the newly given IP address of…
- **45.23.176.21**

Mission 3

- Use **NSLOOKUP** to determine how the CNAME of *www.theforce.net* should look.
- **nslookup -type=cname www.theforce.net**



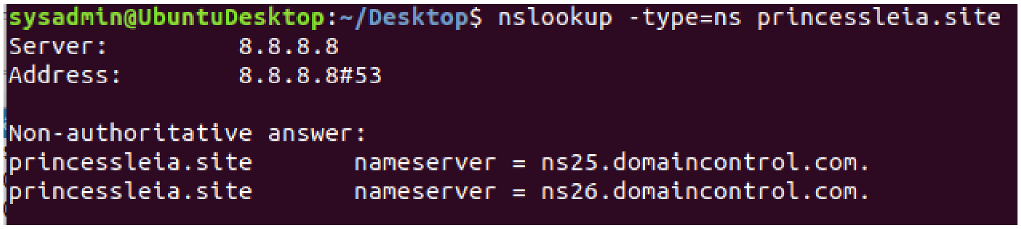
```
sysadmin@UbuntuDesktop:~/Desktop$ nslookup -type=cname www.theforce.net
Server:         8.8.8.8
Address:        8.8.8.8#53

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

- Currently, the **CNAME** shown is *www.theforce.net*. In order to get the redirection desired, it would need to be changed to *resistance.theforce.net*. The corrected version would *be resistance.theforce.net* and not just *theforce.net* within the **CNAME** record.

MISSION 4

- First you need to check the name of the server using **nslookup**.
- **nslookup -type=ns princessleia.site**



```
sysadmin@UbuntuDesktop:~/Desktop$ nslookup -type=ns princessleia.site
Server:         8.8.8.8
Address:        8.8.8.8#53

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

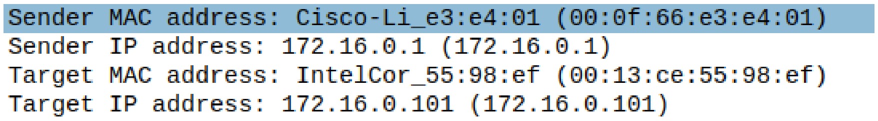
- To prevent this issue from happening again, add the website *ns2.galaxybackup.com* as a backup to the DNS nameserver above.

MISSION 5

- Quickest path to Jedha would be D-C-E-F-J-I-L-Q-T-V for a total of 21 hops.

MISSION 6

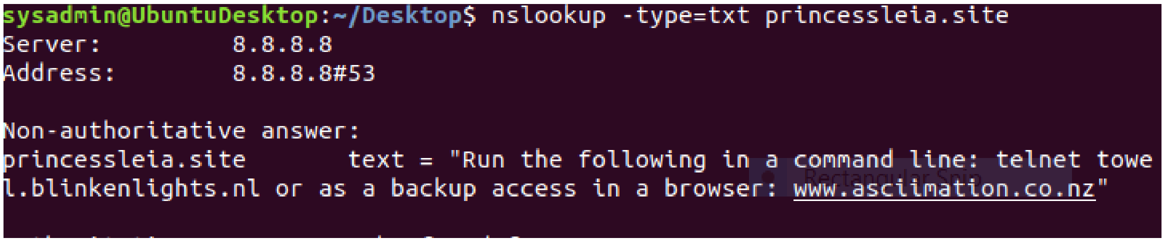
- **aircrack-ng Darkside.pcap -w rockyou.txt**
- Key found [dictionary]
- Navigated through preferences 802.11 > decryption keys > edit > change to wpa-pwd > paste “dictionary:linksys”
- Filter newly decrypted traffic using **ARP** to find the sender and target’s MAC and IP addresses.



```
Sender MAC address: Cisco-Li_e3:e4:01 (00:0f:66:e3:e4:01)
Sender IP address: 172.16.0.1 (172.16.0.1)
Target MAC address: IntelCor_55:98:ef (00:13:ce:55:98:ef)
Target IP address: 172.16.0.101 (172.16.0.101)
```

MISSION 7

- **nslookup -type=txt princessleia.site**



```
sysadmin@UbuntuDesktop:~/Desktop$ nslookup -type=txt princessleia.site
Server:         8.8.8.8
Address:        8.8.8.8#53

Non-authoritative answer:
princessleia.site       text = "Run the following in a command line: telnet towe
l.blinkenlights.nl or as a backup access in a browser: www.asciimation.co.nz"
```

- Followed by super cool flashy Star Wars credits!