

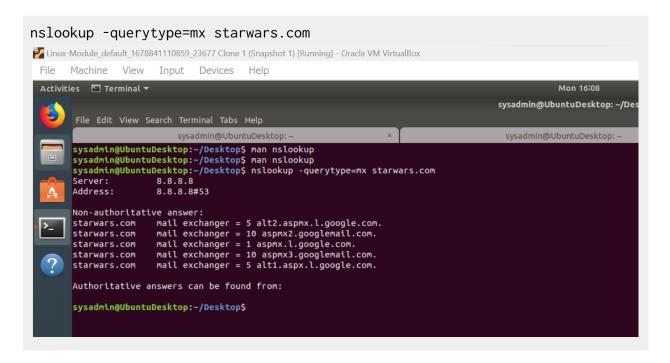
Networking II Challenge Submission File

In a Network Far, Far Away!

Make a copy of this document to work in, and then for each mission, add the solution below the prompt. Save and submit this completed file as your Challenge deliverable.

Mission 1

1. Mail servers for starwars.com:



2. Explain why the Resistance isn't receiving any emails:

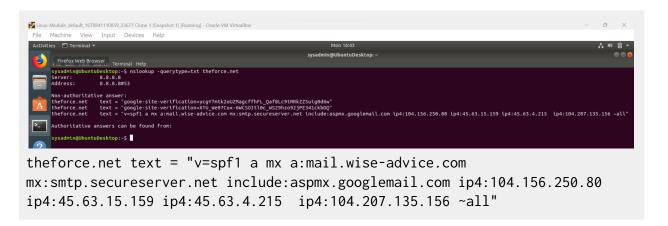
The Resistance isnot receiving any emials because the primary and secondary email servers have not been configured correctly.

3. Suggested DNS corrections:

```
The suggested DNS corrections are to have the proper mail servers set up. Primary Mail Server= 1 asltx.google.com
Secondary Mail Server= 5 asltx.2.google.com
```

Mission 2

1. Sender Policy Framework (SPF) of theforce.net:



2. Explain why the Force's emails are going to spam:

The forces emails are going to spam because the IP address changes while the network was down. The new IP is 45.23.176.21 which has not been changed on the SPF record for theforce.net to allow emails.

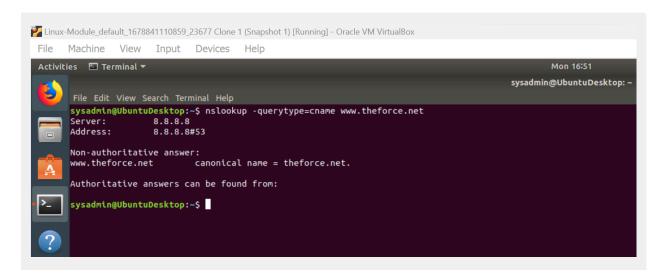
3. Suggested DNS corrections:

```
The corrections for this DNS record is to add the new IP address to the record which would look like the following:
theforce.net text = "v=spf1 a mx a:mail.wise-advice.com
mx:smtp.secureserver.net include:aspmx.googlemail.com ip4:104.156.250.80
```

```
ip4:45.63.15.159 ip4:45.63.4.215 ip4:104.207.135.156 ip4: 45.23.176.21 ~all"
```

Mission 3

1. Document the CNAME records:



2. Explain why the subpage resistance.theforce.net isn't redirecting to theforce.net:

The subpage resistance.theforce.net is not redirecting to theforce.net because only www.theforce.net was listed to direct in the cname record which mean it would have to be changed to resistance.theforce.net.

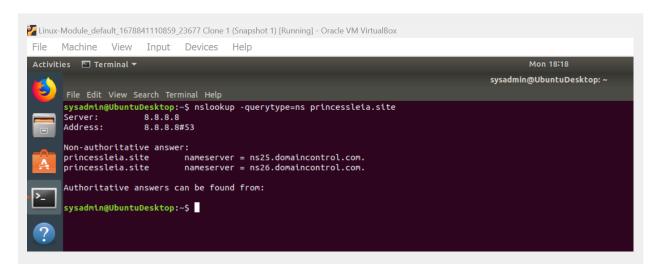
3. Suggested DNS corrections:

```
The suggested DNS corrections that could be made is to change the cname which would look like the following

www.theforce.net canonical name - theforce.net resistance.theforce.net canonical name - theforce.net
```

Mission 4

1. Confirm the DNS records for princessleia.site:



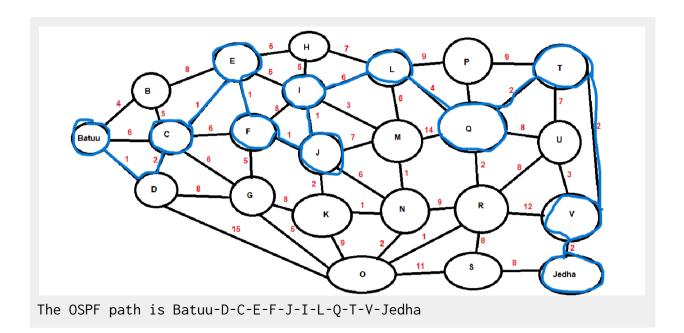
2. Suggested DNS record corrections to prevent the issue from occurring again:

The corrections that would be needed to prevent this from happening again are to create a reference for the backup DNS server.

princessleia.site nameserver=ns2.galaxybackup.com

Mission 5

- 1. Document the shortest OSPF path from Batuu to Jedha:
 - a. OSPF path:

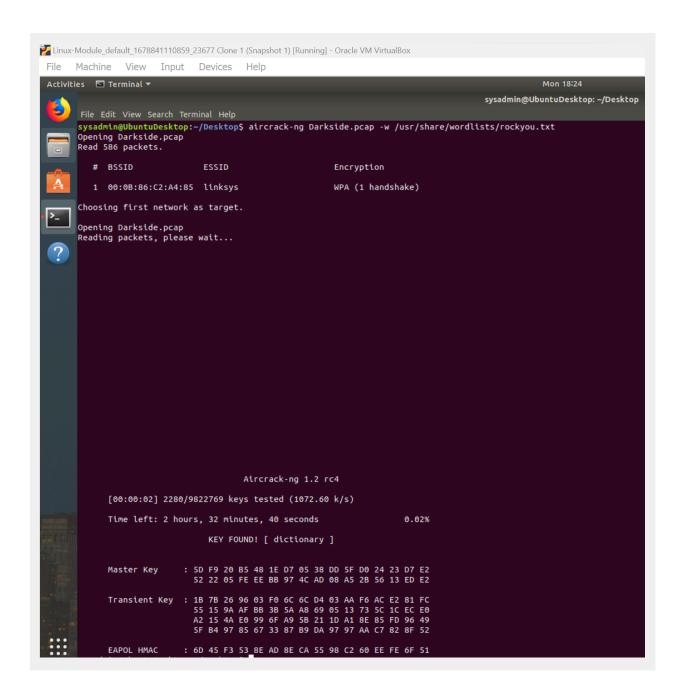


b. OSPF path cost:

The cost of the path above is 23

Mission 6

1. Wireless key:



- 2. Host IP addresses and MAC addresses:
 - a. Sender MAC address:

00:13:ce:55:98:ef

b. Sender IP address:

172.16.0.101

c. Target MAC address:

00:13:ce:55:98:ef

d. Target IP address:

172.16.0.1

Mission 7

1. Screenshot of results:

```
File Machine View Input Devices Help

Activities Terminal Terminal Help

sysadmin@UbuntuDesktop:-/Desktop

File Edit View Search Terminal Help

sysadmin@UbuntuDesktop:-/Desktop

File Edit View Search Terminal Help

sysadmin@UbuntuDesktop:-/Desktop

server: 8.8.8.8 8

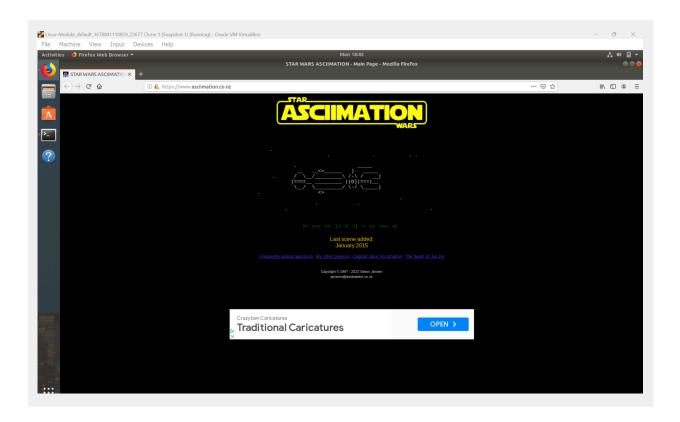
Address: 8.8.8.8#53

Non-authoritative answer:

princessleia.site text = "Run the following in a command line: telnet towel.blinkenlights.nl or as a backup access in a browser: www.ascitmation.co.nz"

Authoritative answers can be found from:

sysadmin@UbuntuDesktop:-/Desktop$
```



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