



Cybersecurity

Module 9 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:

```
Aspmx2.googlemail.com
Aspmx.l.google.com
Alt2.aspmx.l.google.com
Alt1.aspx.l.google.com
aspmx3.googlemail.com
```

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

The Transmission is being retransmitted. Also some stations are being told to shut down.

The primary and secondary not listed.

3. Suggested DNS corrections:

The primary mail server should be 1 asltx.l.google.com.

Mission 2

1. Sender Policy Framework (SPF) of 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 ~all"
```

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

The spf record is being redirect to spams because of the mail server only recognizing 45.23.176.21 as the only legit ip address. While all other are being recorded as spam.

For this email server. The spf allows emails to go to the regular email and not the spam.

3. Suggested DNS corrections:

The suggested DNS correction should be to change the Ip address to the original.

Mission 3

1. Document the CNAME records:

```
www.theforce.net canonical name = theforce.net.
```

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

The server can not find resistance.theforce.net and also it is not listed in the nslookup -type=CNAME www.theforce.net

3. Suggested DNS corrections:

The resistance to add the resistance.theforce.net to redirect any incoming messages to www.theforce.net.

Mission 4

1. Confirm the DNS records for princessleia.site:

When doing an nslookup -type=princessleia.site it stated that the website had no answer could be found. origin = ns25.domaincontrol.com
mail addr = dns.jomax.net
serial = 2021081601
refresh = 28800
retry = 7200
expire = 604800
minimum = 600

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

I do not know.

Mission 5

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

- a. OSPF path:

C to F to J to N to R to V

- b. OSPF path cost:

42

Mission 6

1. Wireless key:

[Enter text here]

2. Host IP addresses and MAC addresses:

- a. Sender MAC address:

[Enter text here]

- b. Sender IP address:

[Enter text here]

- c. Target MAC address:

[Enter text here]

- d. Target IP address:

[Enter text here]

Mission 7

1. Screenshot of results:

[Insert screenshot here]