**Week 9 Homework: Network Fundamentals II-In a Network Far, Far Away!**

**Mission 1**

Command(s) utilized:

**﻿ **

Documentation of the mail servers:

Text

Description automatically generated

Why is the Resistance not receiving any emails:

They are not receiving emails because neither server is actually there

Documentation of corrected DNS record:

Update by replacing with what is provided as shown below.

Server: 8.8.8.8

Address: 8.8.8.8#53

Non-authoritative answer:

starwars.com mail exchanger = 5 alt2.aspmx.l.google.com.

starwars.com mail exchanger = 10 aspmx3.googlemail.com.

**starwars.com mail exchanger = 1 asltx.1.google.com**

starwars.com mail exchanger = 10 aspmx2.googlemail.com.

**starwars.com mail exchanger = 5 asltx.2.google.com**

**Mission 2**

Command(s) utilized:



Documentation of the SPF on site:

Text

Description automatically generated

Why are the Force’s emails going to spam:

The emails are going to spam because the is not in there.

Documentation of correct DNS record:

The txt record needs to be updated to include the ip address that was provided.

**Mission 3**

Command(s) utilized:



Documentation of CNAME:

Text

Description automatically generated with medium confidence

Explain why resistance.theforce.net isn’t redirecting to theforce.net:

Because the CNAME record has not been set for theforce.net as of yet.

Documentation of correct DNS record:

Update the CNAME record to redirect to theforce.net.

**Mission 4**

Command(s) utilized:



Confirmation of princlessleia.site:

Text

Description automatically generated

Document of how to fix the DNS record to prevent from happening again:

Update NS record to include the other back-up server of ns2.galazybackup.com

**Mission 5**

Diagram

Description automatically generated

**Mission 6**

Command(s) utilized:



Darkside Key:

Text

Description automatically generated

Host IP Addresses:

Sender



Destination



Host MAC addresses:

Sender



Destination



**Mission 7**

Command(s) utilized:



Hidden message:

A picture containing text

Description automatically generated

Follow the steps:

Got to watch Star Was Episode IV A New Hope

Graphical user interface

Description automatically generated with low confidence

A picture containing text, vector graphics

Description automatically generated