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Homework 9

Networking-Fundamentals-II-and-CTF…

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**Mission 1**

#Mail servers for Starwars.com:

A close up of a screen

Description automatically generated

* The Resistance isn’t getting any emails because their MX don’t match the server DNS records for the mail server.
* Corrected Mail server records should look like:
  + asltx.l.google.com (1)
  + asltx.2.google.com (1)
  + aspmx.l.google.com. (5)
  + alt2.aspmx.l.google.com. (10)
  + aspmx3.googlemail.com. (10)

**Mission 2**

A picture containing television, monitor, screen, photo

Description automatically generated

* The force’s emails are going to spam because the IP’s do not match. The IP that is new is not permitted to pass the SPF.
* Corrected DNS record should be:

"v=spf1 a mx mx:smtp.secureserver.net include:aspmx.googlemail.com ip4:104.156.250.80 ip4:45.63.15.159 ip4:45.63.4.215 **ip4:45.23.176.21**”

**Mission 3**

Screen of a cell phone

Description automatically generated

* Correct CNAME:

[www.theforce.net](http://www.theforce.net) canonical name: theforce.net.

* Resistance.theforce.net is not redirecting because it has not been assigned to the canonical name.
* Correct DNS record should be:

Resistance.theforce.net canonical name = theforce.net

**Mission 4**

A screen shot of a social media post

Description automatically generated

* You could fix this DNS record to prevent this issue from happening again by:

Adding an additional server to the already existing ns25 and ns26 servers.

**Mission 5**

Batuu 🡪 D 🡪 O 🡪 R 🡪 Q 🡪 T 🡪 V 🡪 Jedha

1 + 12 + 1 + 2 + 2 + 2 + 2 = 22 total cost of routes

**Mission 6**

#Dark side’s secret wireless key

A screenshot of a cell phone screen with text

Description automatically generated

#Document IP and MAC addresses, as the resistance will use these IP addresses to launch a retaliatory attack.

* + Sender MAC address: 00:0f:66:e3:e4:01
  + Sender IP address: 172.16.0.1 (172.16.0.1)
  + Target MAC address: 00:13:ce:55:98:ef
  + Target IP address: 172.16.0.101 (172.16.0.101)

**Mission 7**

A screenshot of a cell phone screen with text

Description automatically generated

#Ran command: telnet towel.blinkenlights.nl

A picture containing shirt

Description automatically generated

COOL!!!