Network Fundamentals II HW: In a Network Far, Far Away

Mission 1:
1. nslookup -type=mx starwars.com
   Server: 127.0.0.53
   Address: 127.0.0.53#53

   starwars.com   mail exchanger = 1 aspmx.l.google.com.
   starwars.com   mail exchanger = 5 alt1.aspx.l.google.com.
   starwars.com   mail exchanger = 5 alt2.aspmx.l.google.com.
   starwars.com   mail exchanger = 10 aspmx2.googlemail.com.
   starwars.com   mail exchanger = 10 aspmx3.googlemail.com.
2. The Resistance is not receiving any emails because it is not configured correctly. asltx.1.google.com and asltx.2.google.com are not shown as mail servers after using nslookup.
3. Corrected formatted should be:
   Starwars.com mail exchanger = 1 asltx.1.google.com
   Starwars.com mail exchanger = 5 asltx.2.google.com

Mission 2:
1. nslookup -type=TXT theforce.net
   Server: 127.0.0.53
   Address: 127.0.0.53#53
   theforce.net   text = "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"
2. It is not configured with the correct IP address after they changed it to 45.23.176.21.
   nslookup -type=TXT 45.23.176.21
   Server: 127.0.0.53
   Address: 127.0.0.53#53

   Non-authoritative answer:
   21.176.23.45.in-addr.arpa   name =
   45-23-176-21.lightspeed.rcsntx.sbcglobal.net.

3. theforce.net   text = "v=spf1 a mx mx:smtp.secureserver.net
   include:45-23-176-21.lightspeed.rcsntx.sbcglobal.net ip4:104.156.250.80
   ip4:45.63.15.159 ip4:45.63.4.215"

Mission 3:
1. nslookup -type=cname www.theforce.net
   Server: 127.0.0.53
   Address: 127.0.0.53#53

      a. Non-authoritative answer:

      b. www.theforce.net   canonical name = theforce.net.

2. www.theforce.net canonical name = theforce.net. resistance.theforce.net = www.theforce.net

Mission 4:

1. nslookup -type=ns princessleia.site

        Server: 127.0.0.53
        Address: 127.0.0.53#53

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

2. DNS server: princessleia.site nameserver = ns25.domaincontrol.com princessleia.site nameserver = ns2.galaxybackup.com

Mission 5:

1. Batuu - CEFJILQTC - Jedha

Mission 6:

1. aircrack-ng Darkside.pcap -w /usr/share/wordlists/rockyou.txt
   Opening Darkside.pcap
   Read 586 packets.

    # BSSID   ESSID   Encryption

    1 00:0B:86:C2:A4:85 linksys   WPA (1 handshake)

   Choosing first network as target.

   Opening Darkside.pcap
   Reading packets, please wait...

             Aircrack-ng 1.2 rc4

   [00:00:01] 2280/7120714 keys tested (2243.65 k/s)

   Time left: 52 minutes, 53 seconds   0.03%

         KEY FOUND! [dictionary]

   Master Key   : 5D F9 20 B5 48 1E D7 05 38 DD 5F D0 24 23 D7 E2
             52 22 05 FE EE BB 97 4C AD 08 A5 2B 56 13 ED E2

Transient Key : 1B 7B 26 96 03 F0 6C 6C D4 03 AA F6 AC E2 81 FC
                55 15 9A AF BB 3B 5A A8 69 05 13 73 5C 1C EC E0
                A2 15 4A E0 99 6F A9 5B 21 1D A1 8E 85 FD 96 49
                5F B4 97 85 67 33 87 B9 DA 97 97 AA C7 82 8F 52

        EAPOL HMAC   : 6D 45 F3 53 8E AD 8E CA 55 98 C2 60 EE FE 6F 51
2. Target MAC IntelCor_55:98:ef (00:13:ce:55:98:ef)
     a. Target IP 172.16.0.101
3. Sender MAC Cisco-Li_e3:e4:01 (00:0f:66:e3:e4:01)
     a. Sender IP 172.16.0.1

Mission 7:
1. nslookup -type=txt princessleia.site
2. telnet towel.blinkenlights.nl
3.