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| Cybersecurity |
| 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:

|  |
| --- |
| Non-authoritative answer:  starwars.com mail exchanger = 10 aspmx2.googlemail.com.  starwars.com mail exchanger = 5 alt2.aspmx.l.google.com.  starwars.com mail exchanger = 1 aspmx.l.google.com.  starwars.com mail exchanger = 5 alt1.aspx.l.google.com.  starwars.com mail exchanger = 10 aspmx3.googlemail.com. |

1. Explain why the Resistance isn’t receiving any emails:

|  |
| --- |
| The new mail servers werent setup that is why resistence werent receiving any emails |

1. Suggested DNS corrections:

|  |
| --- |
| starwars.com mail exchanger = 10 asltx.l.google.com  starwars.com mail exchanger = 5 asltx.2.google.com  starwars.com mail exchanger = 1 aspmx.l.google.com.  starwars.com mail exchanger = 5 alt1.aspx.l.google.com.  starwars.com mail exchanger = 10 aspmx3.googlemail.com. |

### Mission 2

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

|  |
| --- |
| "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" |

1. Explain why the Force’s emails are going to spam:

|  |
| --- |
| The ip address 45.23.176.21 was not added to the SPF |

1. Suggested DNS corrections:

|  |
| --- |
| 45.23.176.21 should be added to SPF record  "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:

|  |
| --- |
| Non-authoritative answer:  www.theforce.net canonical name = theforce.net.  Name: theforce.net  Address: 104.156.250.80 |

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

|  |
| --- |
| Resistance.theforce.net was not added to CNAME records |

1. Suggested DNS corrections:

|  |
| --- |
| Resistance.theforce.net should be added to CNAME records eg-:  Resistance.theforce.net www.theforce.net |

### Mission 4

1. Confirm the DNS records for princessleia.site:

|  |
| --- |
| Non-authoritative answer:  princessleia.site nameserver = ns26.domaincontrol.com.  princessleia.site nameserver = ns25.domaincontrol.com.  Authoritative answers can be found from: |

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

|  |
| --- |
| princessleia.site nameserver = ns2.galaxybackup.com.  princessleia.site nameserver = ns25.domaincontrol.com.  princessleia.site nameserver = ns26.domaincontrol.com. |

### Mission 5

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

|  |
| --- |
| batu-D-c-e-f-j-i-l-q-t-v-jedha |

* 1. OSPF path cost:

|  |
| --- |
| [Enter text here] |

### Mission 6

1. Wireless key:

|  |
| --- |
| dictionary |

1. Host IP addresses and MAC addresses:
   1. Sender MAC address:

|  |
| --- |
| Sender MAC address: Cisco-Li\_e3:e4:01 (00:0f:66:e3:e4:01) |

* 1. Sender IP address:

|  |
| --- |
| Sender IP address: 172.16.0.1 (172.16.0.1) |

* 1. Target MAC address:

|  |
| --- |
| Target MAC address: IntelCor\_55:98:ef (00:13:ce:55:98:ef) |

* 1. Target IP address:

|  |
| --- |
| Target IP address: 172.16.0.101 (172.16.0.101) |

### Mission 7

1. Screenshot of results:

|  |
| --- |
|  |

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