**COM 5335 : NETWORK SECURITY ASSIGNMENT#2**

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* **Part 1. Researching Network Attacks**

In Part 1 of this assignment, you research various network attacks that have actually occurred and select one on which to report. Fill in the form below based on your findings.

* **Step 1 : Research various network attacks.**

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| --- | --- |
| Type of attack | List of attack |
| Denial of service | 1. TCP SYN (SYN Flood) 2. Smurf Attack 3. Ping of Death 4. LAND Attack 5. Teardrop Attack |
| Malware computer program | 1. Computer Worm |
|  |  |
|  |  |

1. Denial of service

* TCP Flood (SYN Flood)
* Smurf Attack
* Ping of Death
* LAND Attack

1. Malware computer
2. DoS (denial-of-service attack)
3. DDoS (distributed denial-of-service attack)
4. SYN Flood (TCP Flood)

* Step 2 : Fill in the following form for the network attack selected.
* Part 2. Researching Security Audit Tools

In Part 2 of this assignment, you research network security audit tools and investigate one that can be used to identify host or network device vulnerabilities. Fill in the report below based on your findings.

* Step 1 : Research various security audit and network attack tools.
* Step 2 : Fill in the following form for the security auditor network attack tool selected.
* Step 3 : Reflection

1. What is the prevalence of network attacks and what is their impact on an organization’s operation? What are some key steps organizations can take to help protect their networks and resources?
2. Have you actually worked for an organization or know of one where the network was compromised? If so, what was the impact to the organization and what did they do about it?
3. What steps can you take to protect your own PC or laptop computer?