Cyber Security

Class no 03 (Lab class 2, Arabi Sir)

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Topic:

1. MITRE ATT\*ACK Framework
2. Cyber kill chain

<https://exposed.lol/> : Email on international black market.

<https://haveibeenpwned.com/> : Did my email been compromised.

**Enhanced Incident Detection with thread intelligent**

**Miter attack**

Miter atta\*ck base on: 4 step

* + **Adversary** : The framework tracks their methods, such as how they gain access, move within networks, and steal data, to help organizations defend against these threats​
  + **Threat models:** gaining access, exploiting vulnerabilities
  + Techniques ,300+ technique
  + Mitigating tactics 🡪 age thik kora kon path e agabo 🡪18 technique

Three matrix:

* + Enterpricse attack
  + Pre attack
  + Mobile attack

One password list and one username list: brute force check user and password

<https://mitre-attack.github.io/attack-navigator/> -- scanning ip for find vulnerability

<https://attack.mitre.org/> 🡪matrices 🡪ICS🡪[View on the ATT&CK® Navigator](https://mitre-attack.github.io/attack-navigator/) 🡪

* sudo –i 🡪 for root
* nmap 🡪 use for find ip details
* nmap – help 🡪 find help for specific attribute
* netdiscover –i eth0 🡪 for find all pc which connect with eth0 net
  + nmap –sC –sV –Pn –A target-ipaddress 🡪Scanning IP blocks
* <https://web-check.as93.net/> 🡪 to find website vulnerability (**best web site**)
* load balancer— 100jn heat korle sobaik 10 second kore dewa,load balancer jei server idle oitak onno serverk dey
* tinyurl.com/junivgift03 🡪 gift
* malware is a software or program
* Zero-day Exploit – recently discover vulnerability
* C2 (Command and Control)

#Need to basic for Cyber Security

* Networking
* System
  + Administration
  + Hardware
* Software development

#Job sector

* Vendors
* Banks
* Financial orgs 🡪 tk bsi,bank bade onno financial orgs
* Others

#certificates

* <https://www.isc2.org/certifications/cissp> --> most demandable certificate in usa/Europe 🡪 odit certificate
* <https://www.comptia.org/>
* <https://www.offsec.com/> 🡪 oscp certificate best. best from all course
* <https://mile2.com/>
* <https://www.eccouncil.org/> ceh certification need for beginners