

Assignment 1 : Different Types Of Cyber Attacks

1. Denial Of Service(DoS) :

- A denial-of-service (DoS) attack floods a server with traffic(sending illegitimate Requests to Server), making a website or resource unavailable.

2. Distributed DoS(DDoS) :

- A distributed denial-of-service (DDoS) attack is a DoS attack that uses multiple computers or machines to flood a targeted resource.

3. MITM(Man in the Middle) : E

- Eavesdrop on data sent back and forth between 2 people, company or network.

4. Phishing Attack :

- A phishing attack occurs when a malicious actor sends emails that seem to be coming from trusted, legitimate sources in an attempt to grab sensitive information from the target.
- Whale Fishing(going after whales(one with sensitive information about organization) and Spear Fishing(targeted attacks) are types of it.

5. SQL Injection:

- SQL attack uses an SQL query sent from the client to a database on the server.
- The command is inserted, or “injected”, into a data plane in place of something else that normally goes there, such as a password or login. The server that holds the database then runs the command and the system is penetrated.

6. DNS Spoofing :

- With Domain Name System (DNS) spoofing, a hacker alters DNS records to send traffic to a fake or “spoofed” website. Once on the fraudulent site, the victim may enter sensitive information that can be used or sold by the hacker.

7. Trojan Horses :

- A Trojan horse attack uses a malicious program that is hidden inside a seemingly legitimate one. When the user executes the presumably innocent program, the malware inside the Trojan can be used to open a backdoor into the system through which hackers can penetrate the computer or network.

8. Drive-by Attacks :

- In a drive-by attack, a hacker embeds malicious code into an insecure website. When a user visits the site, the script is automatically executed on their computer, infecting it.

9. Cross-Site Scripting Attack :

- The attacker transmits malicious scripts using clickable content that gets sent to the target's browser.

10. Malware attack :

- Malicious software can be described as unwanted software that is installed in your system without your consent.