



SNS COLLEGE OF ENGINEERING

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An Autonomous Institution

Accredited by NBA – AICTE and Accredited by NAAC – UGC with ‘A’ Grade
Approved by AICTE, New Delhi & Affiliated to Anna University, Chennai

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING-IOT Including CS&BCT

COURSE NAME : 19SB402- NETWORKING AND CYBERSECURITY

II YEAR / III SEMESTER

Unit II- SECURITY THREATS

Topic : Web Threat



Web threat



Web Threat

- Any negative threat that use www to facilitate cybercrime.
- It use Multiple types of Malware and fraud.
- It use HTTP & HTTPS protocols.

Targeted online threats:

- Cyber Criminal will we vulnerability (weak Spot) within an OS (or) an Application.
- In order to Conduct attack.
- Cyber Criminals will develop web threat
- It is delivered to target OS (or) Application

Area to Spread the Threat:

1. Java -> 3 billion devices.
2. Adobe Reader
3. Windows & Internet explorer
4. Android.





Web threat Cont..



Major Threats on Internet:

1. Spam

- Unwanted E-mail Entry into Spam box in our mail.

2. Trojan

- Harmless. Computer programs.
- It make our computer completely unprotected. So that hacker Can attack (or) access our data from our System.

3. Phishing

- Most dangerous attack.
- Our URL will be slightly changed.



Web threat Cont..



Major Threats on Internet:

4. Virus

- It is most talked Internet threat.
- It is attached to files while downloading (or) share Media.

5. Worms

- It is an intended, to do harm Email attachment (or) USB Stick.

6. Pharming

- It is a more complex version of phishing.
- Which affect DNS system.



Types of Cyber Security Threats

1. Malware

- Malware is malicious software such as spyware, ransomware, viruses and worms.
- Malware is activated when a user clicks on a malicious link or attachment, which leads to installing dangerous software.

2. Emotet

- The Cybersecurity and Infrastructure Security Agency (CISA) describes Emotet as “an advanced, modular banking Trojan that primarily functions as a downloader or dropper of other banking Trojans.

3. Denial of Service

- A denial of service (DoS) is a type of cyber attack that floods a computer or network so it can't respond to requests.
- A distributed DoS (DDoS) does the same thing, but the attack originates from a computer network.
- Cyber attackers often use a flood attack to disrupt the “handshake” process and carry out a DoS.



Types of Cyber Security Threats

4. Man in the Middle

- A man-in-the-middle (MITM) attack occurs when hackers insert themselves into a two-party transaction.
- After interrupting the traffic, they can filter and steal data, according to Cisco.

5. Phishing

- Phishing attacks use fake communication, such as an email, to trick the receiver into opening it and carrying out the instructions inside, such as providing a credit card number

6. SQL Injection

- A Structured Query Language (SQL) injection is a type of cyber attack that results from inserting malicious code into a server that uses SQL.
- When infected, the server releases information. Submitting the malicious code can be as simple as entering it into a vulnerable website search box.



Types of Cyber Security Threats

7. Password Attacks

- With the right password, a cyber attacker has access to a wealth of information.
- Social engineering is a type of password attack that Data Insider defines as “a strategy cyber attackers use that relies heavily on human interaction and often involves tricking people into breaking standard security practices.”
- Other types of password attacks include accessing a password database or outright guessing



Any Queries



Thank You!