TRAINING DAY 22 REPORT

Understand Malware

Today, I learn some important concepts

Introduction to Malware

Malware (malicious software) refers to any software intentionally designed to cause damage to a computer, server, client, or network. Common types include viruses, worms, Trojans, spyware, and ransomware.

Types of Malware

1. Virus

2. Worm

3. Trojan Horse (Trojan)

4. Spyware

5. Adware

6. Ransomware

7. Keylogger

8. Rootkit

9. Botnet

10. Fileless Malware

11. Mobile Malware

Computer Virus

A computer virus is a type of malware that attaches itself to a host file or program, replicates, and spreads to other files. It often activates when the infected program is run, potentially damaging data or system performance.

What is Computer Worms

A computer worm is a standalone malware program that replicates itself to spread to other computers, often through networks. Unlike viruses, worms do not need to attach to a host file.

Computer Worms – Recognize and Remove Worms from Computer

This refers to methods of identifying signs of a worm infection—like slow system performance or excessive network traffic—and removing them using antivirus or specialized worm-removal tools.

Virus vs. Worms

- o **Virus:** Requires a host file and user action to spread.
- o **Worm:** Self-replicates and spreads without user action or host file.

Trojan

A Trojan horse (or Trojan) is malware disguised as legitimate software. Unlike viruses or worms, it doesn't replicate but can create backdoors, steal data, or install other malware.

Spyware

Spyware is software that secretly gathers information about a person or organization without their knowledge, often for advertising, data theft, or surveillance purposes.

Spyware Software Products

These are actual spyware tools or software packages used (often unethically or illegally) to monitor or collect data from users without consent. Some are marketed for parental control or employee monitoring.

Spy Any Android Phone

This generally refers to the use of spyware apps that can monitor text messages, calls, location, and more on Android devices.

Keylogger

A keylogger is a tool that records every keystroke a user makes, often used to steal passwords, personal information, or surveillance. It can be hardware- or software-based.

Adware

Adware is software that automatically displays or downloads advertising material (often unwanted), sometimes bundled with free applications. While not always malicious, it can invade privacy or slow down systems.