Hacking attacks

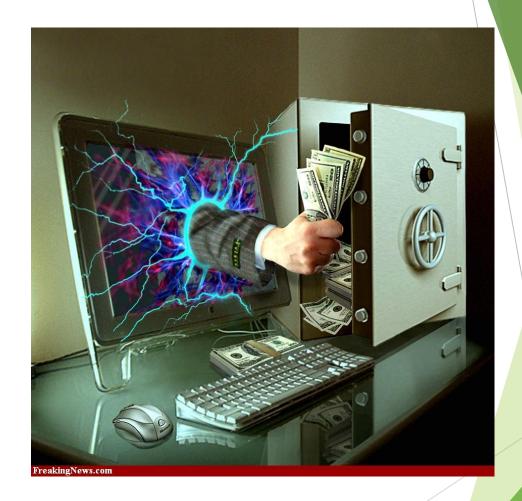
Cyber crime

In the start of 21 century, the new era started. The era of technologies. However, with technologies, new types of crime developed.



Hacking

Nowadays, a major concern that has emerged among computer or smartphone users is the threat of hacking. Hackers can easily hack the security systems, bank systems, any program and earn a lot of money.



Hacking

For example, hacking mobile phones has become a real business in Russia, Asia, and other places where pre-paid phone calls are common. Analytics estimated that criminals, hackers who target mobile phones earn from \$1000 to \$5000 per day per person.

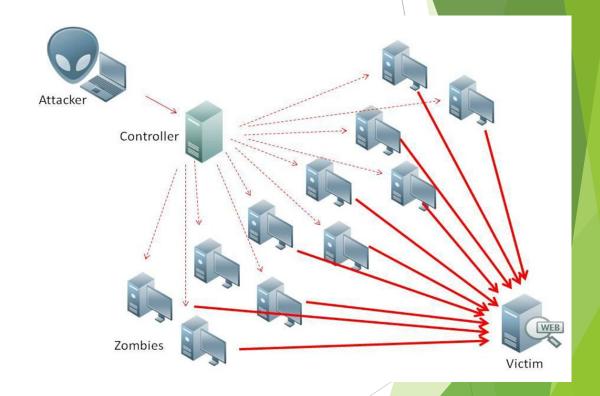
Hacking



There are four forms of attacks commonly used against computers and networks, according to Aaron Turpen, in his article 'Hacker Prevention Techniques.'

1. Distributed Denial of Service (DDoS) attacks

- Usually aimed at networks by third party systems (typically, compromised systems lacking security that unwittingly become hacker accomplices)
- Focuses on open ports and connections in the network or system
- They undermine the network by flooding it with requests and "pings," thereby causing one or more systems and their resources to shut down or crash
- Major systems usually recover from such attacks easily and completely



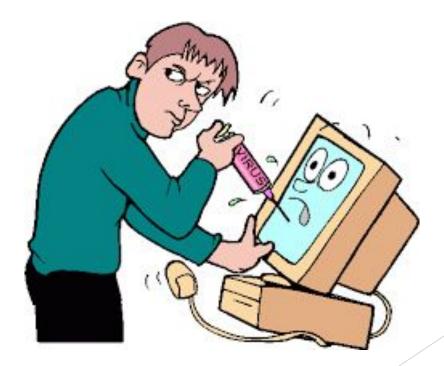
2. Trojan Horse

- Software disguised as something else (typically useful shareware or freeware) and so are installed in your system consciously
- It either contains
 - a "back door," (which allows others to enter your system, and do what they want with it, while you're using the software), or
 - a "trigger," (sets itself off when triggered, either by a date or a time or a series of events, etc., and cause your system to shut down or attack other computers; can be part of a DDoS attack
- Difficult to detect



3. Virus

- Most common
- Primary concern is to replicate and spread itself, and then destroy or attempt an attack on the host system



4.Worm

- A combination of a DDoS and a virus attack
- Usually reproduces as often as possible to spread as widely as they can
- Commonly aimed at larger systems (mainframes, corporate networks, etc.); some are built to "consume" data and filter it back out to unauthorized users (i.e. corporate spies)
- It consumes resources (quietly) until the system finally becomes overloaded and ceases to function



What can hackers do?

- Steal services and/or valuable files
- Spy on friends, family members or even business rivals
- Steal your money by using hacking techniques such as:
- Setting up fake e-commerce sites to collect credit card details
- Gaining entry to servers that contain credit card details



BE CAREFUL!



References

- http://www.crucialp.com/resources/tutorials/website-web-page-site-optimiz ation/hacking-attacks-how-and-why/
- English book :)