Malicious Software

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How Malware Spreads?

- Malware is a program that must be triggered or somehow executed before it can infect your computer system and spread to others.
- Here are some examples on how malware is distributed:

a) Social network

b) Pirated software

c) Removable media

d) Emails

e) Websites

What are Malware Damages?

- Data Loss:
- Account Theft
- Botnets
- Financial Loss

How Can You Protect Your Computer?

- Install protection software.
- Practice caution when working with files from unknown or questionable sources.
- Do not open e-mail if you do not recognize the sender.
- Download files only from reputable Internet sites.
- Install firewall.
- Scan your hard drive for viruses monthly.

What are Symptoms of Malware?

- Increased CPU usage
- Slow computer or web browser speeds
- Problems connecting to networks
- Freezing or crashing
- Modified or deleted files
- Appearance of strange files, programs, or desktop icons
- Programs running, turning off, or reconfiguring themselves (malware will often reconfigure or turn off antivirus and firewall programs)

What are Symptoms of Malware?

- Strange computer behavior
- Emails/messages being sent automatically and without user's knowledge (a friend receives a strange email from you that you did not send)
- There seems to be a lot of network activity when you are not using the network
- The available memory on your computer is lower than it should be
- Programs or files appear or disappear without your knowledge
- File names are changed

Anti-Malware Program

- Anti-Malware program is used to prevent, detect, and remove computer viruses, worms, Trojan horses and any other type of malware.
- Examples of Anti-Malware program:

– Antivirus program

– Anti-spyware program

– Anti-spam program

– Firewall

Antivirus Program

- "Antivirus" is protective software designed to defend your computer against malicious software.

- In order to be an effective defense, the antivirus software needs to run in the background at all times, and should be kept updated so it recognizes new versions of malicious software.

Examples of Antivirus Program

- Norton Antivirus
- Kaspersky
- Avast!
- BKAV
- Avira
- Bitdefender