

Computer Guide



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1 Unit

Virus & Antivirus



AntiVirus



Information about computer virus

> Though they're not a living thing like you and me, computers can get «sick» from viruses, too.

What is a computer virus?

A virus or malware is a program or programming code that replicates by being copied or initiating its copying to another program, computer boot sector or document.

A computer **virus** cannot run on its own: the program must be executed in order to take effect.

How does a computer virus find me?

Through Internet & Network

Sharing music ,files or photos with other users

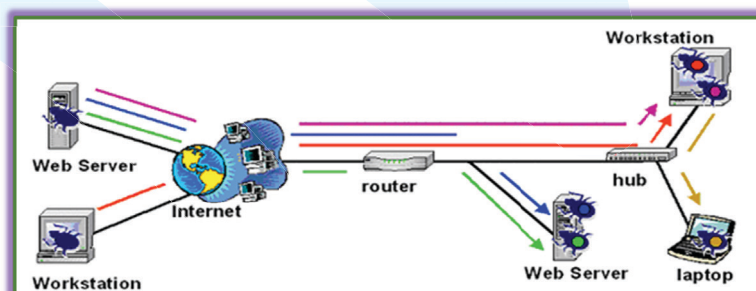
Visiting an infected web site

Opening spam email or email attachment

Downloading free games, toolbars, media players

Using disks, CD's containing infected files

Connecting with other infected computer through network



> Some computer viruses are programmed to be:

High strong:

Harm your computer by damaging programs, deleting files, or reformatting the hard drive.

Medium strong:

Others simply replicate themselves or flood a network with traffic, making it impossible to perform any internet activity.

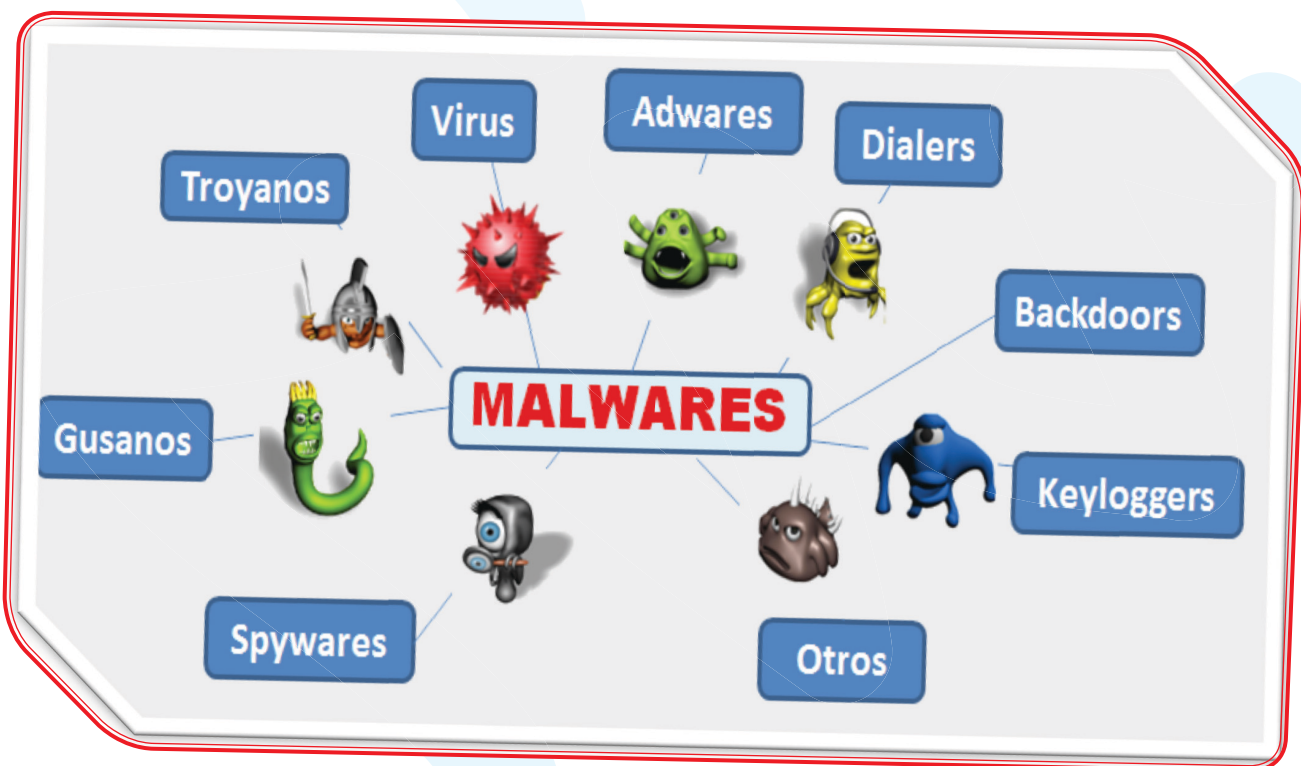
Low strong:

Even less harmful computer viruses can significantly disrupt your system's performance, sapping computer memory and causing frequent computer crashes.



Types of computer viruses

Sort of like how bacteria and fungi cause illnesses in people, computers can also get diseases from other infectious agents besides viruses, including computer worms, Trojan horses and spyware.



Worms:

Unlike viruses, worms do not have to attach themselves to a program in your computer, and may not damage files on an infected computer. Instead, worms more often **slow down computer networks** by eating up bandwidth, or your computer's ability to process data, as the malware replicates and spreads.



Trojan:

Trojan horses, on the other hand, do not self-replicate. Instead, these programs act as the sneaky means for a hacker to gain access to someone's computer to **send out spam emails or steal passwords**.

Spyware:

Spyware **programs monitor a computer user's activity**, such as Web sites they visit, without the user knowing it, and may cause unsolicited advertisements to pop up («adware») or may **steal sensitive information such as credit card numbers**.



Exercise

Multiple choice:

1- A computer virus is:

- Software written with malicious intent to cause damage.
- A small device that scans the number from credit cards.
- An ID-checking tool to monitor who is logged onto a network.

2- Which statement best describe a worm virus?

- A virus that is designed to slow down your computer.
- A virus that spreads itself, from file to file and from computer to computer.
- A virus that is designed to shut down a server.

3- The most important computer- related loss is:

- Data.
- Hardware.
- Software.

4- A virus can defect the computer through:

- Infected web site, download games, email attachment.
- Hardware.
- Incorrect password.

5- A virus that send email to steal password is called:

- Worm.
- Trojan.
- Spyware.

6- A software that monitor user's activity is called:

- Worm.
- Trojan.
- Spyware.