

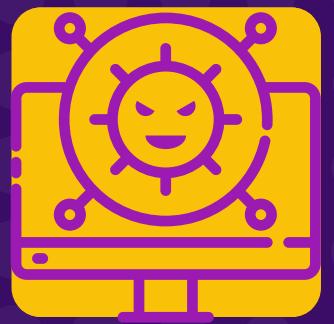
# **SECURITY FIRST**

Guarding Your Data, Securing Your Future.

**Presentation - 2025**



# How can you protect against risks?



Antivirus software



Firewall

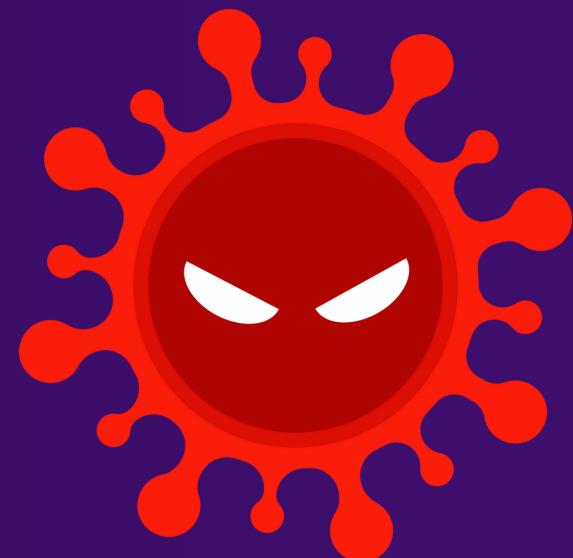


# Antivirus software

Antivirus software is a type of application used for **SCANNING** and **REMOVING** viruses from computers.

Antivirus can offer:

- **automatic scan** : check files downloaded from the Internet, storage devices and the entire hard drive regularly
- **manual scan**: the user can decide when to scan the system or the individual files

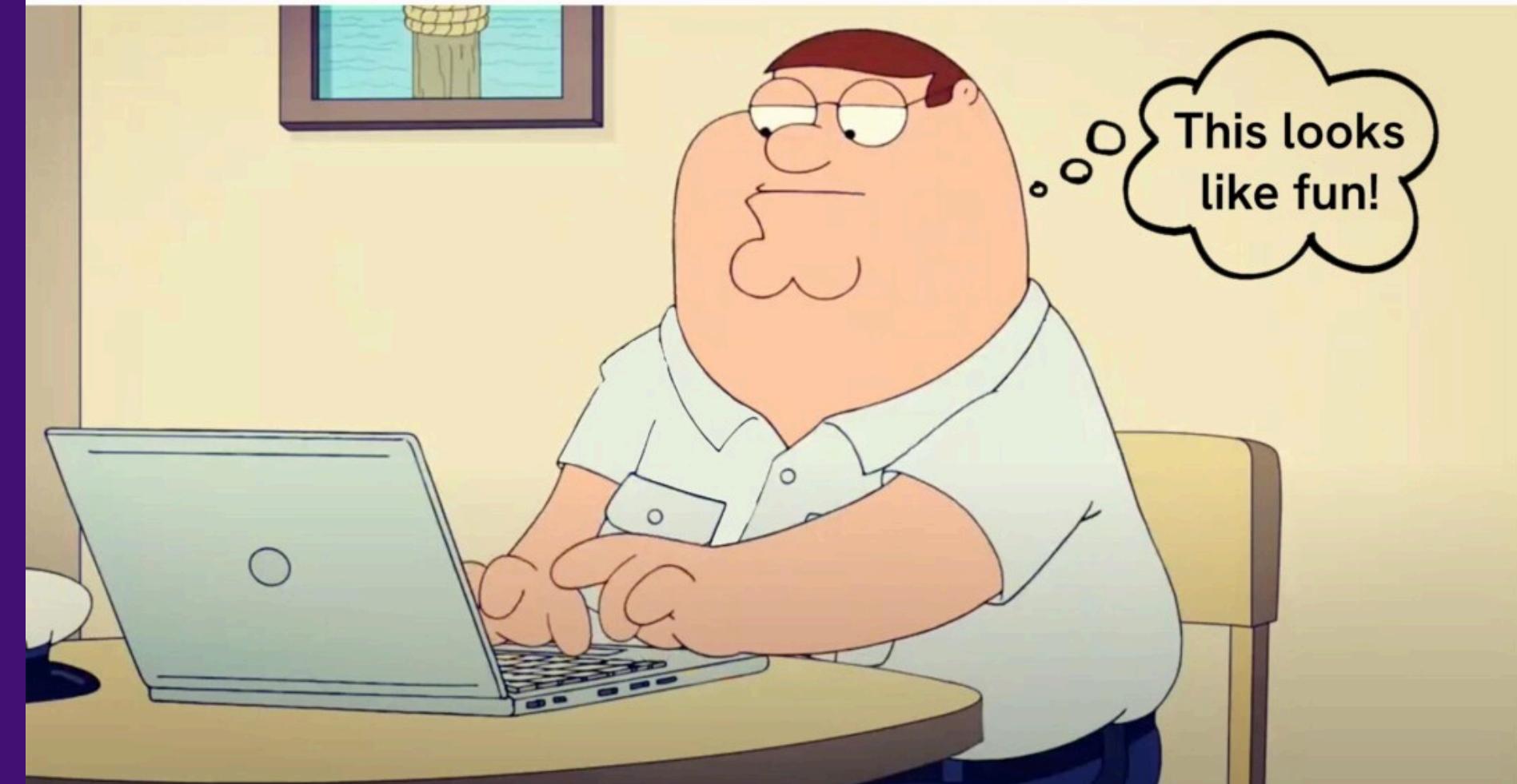


# Types of Antivirus software

Antivirus software can be classified as:

- **ONLY ANTIVIRUS SOFTWARE** : the basic type which only removes viruses
- **MALWARE PROTECTION AND ANTIVIRUS SOFTWARE**: they guarantee virus detection and malware and spyware protection
- **ANTIVIRUS SOFTWARE SECURITY SUITE**: it is a package of antivirus and firewall protection

When you think you've closed all the security gaps,  
but your employee clicks on a phishing email!



# FIREWALL

A **firewall** is like a security guard for your computer or network.

## Purpose of a Firewall

Monitors incoming and outgoing data traffic

Allows or blocks data based on a set of security rules

Protects your computer or network from:

- Hackers
- Viruses
- Unauthorized access

## Types of Firewalls

- **Software Firewall:** installed on a single device (like your laptop), filters data traffic to and from that device
- **Hardware Firewall:** A physical device (like a router with firewall capabilities), protects entire networks (e.g., offices or homes)
- **Cloud/Next-Gen Firewall:** it runs in the cloud, and uses advanced features like intrusion detection, deep inspection, etc.

# SOME TIPS TO PROTECT DATA

- Install operating system updates
- use licenced programs and update them
- don't use the same password for each site
- back up data for every site
- don't download programs from unknown sources
- don't open attachment from unknown people
- ignore very tempting emails
- ignore pop-ups (finestre automatiche) saying your computer is infected



# NETWORK SECURITY, COPYRIGHT, COPYLEFT

Network security consists in monitoring accesses in a computer network. It includes:

- **Identification:** identify the user by a USERNAME or USER ID
- **Authentication:** the procedure that proves users are who they are. The users have to digit a password, which is a secret between the users and the system. In some cases, you can be asked to submit your finger print (the airport )
- **Authorisation:** it determines what the person can do in the system



# COPYRIGHT AND COPYLEFT

Copyright is a legal term to describe the right (il diritto) to use and distribute certain creative works, including computer programs.

For ex. you write a book , and only you and your publisher have the right to reproduce the book (NO PHOTOCOPIES ALLOWED)

Copyright includes:

- Economic rights: if you discover that someone has photocopied your book without your permission, you can ask him money
- Paternity: you are the father of your work
- Integrity right: you have to prevent your book can be modified in every possible way

## Copyright vs Copyleft

Feature	Copyright	Copyleft
 Definition	Legal protection for original works	A type of copyright that allows free use/modification but requires the same rights to be passed on
 Purpose	To protect creators' rights over their work	To share work freely and encourage collaboration
 What It Restricts	Others can't use, copy, or modify without permission	You can use and modify, but must keep it open-source under the same terms
 Example Licenses	All Rights Reserved, Creative Commons (some types)	GNU General Public License (GPL), Creative Commons ShareAlike
 Typical Use	Books, music, software, art, commercial products	Open-source software, educational content, creative projects
 Sharing	Often limited; may require payment or permission	Always allowed, but must remain under same copyleft license

### Easy Analogy:

- Copyright = "This is mine. You can't touch it without asking."
- Copyleft = "This is mine, but you're free to use and build on it — as long as you let others do the same with your version."

# Thank You For Your Attention

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