



Y8

Internet Safety

# Malware

- Malware (short for **malicious software**) are programs that install and run on your computer without your knowledge or consent.
- Criminals set up websites that trick users into installing malware
- Malware can harm your computer in lots of ways, these include gaining access to personal data and deleting files





## SPAM

Spam or Junk mail isn't considered malware, but a way to deliver them

Spam or junk mail is not really a malware, but a way that the malware can use to spread. It is usually unwanted emails sent to a mail list or newsgroup.



# BUG

Bug isn't considered a malware, but a weakness to enter into the system

It is a weakness in a program or source code due to human error. They can allow hackers to steal data



# Crimeware Types

There are many different kinds of forms of malware. The crimeware are programs that steal money and data





## Keyloggers

Record everything that is typed into a computer in order to get passwords or other sensitive information. Once the information is obtained is sent to the source



## Phishing

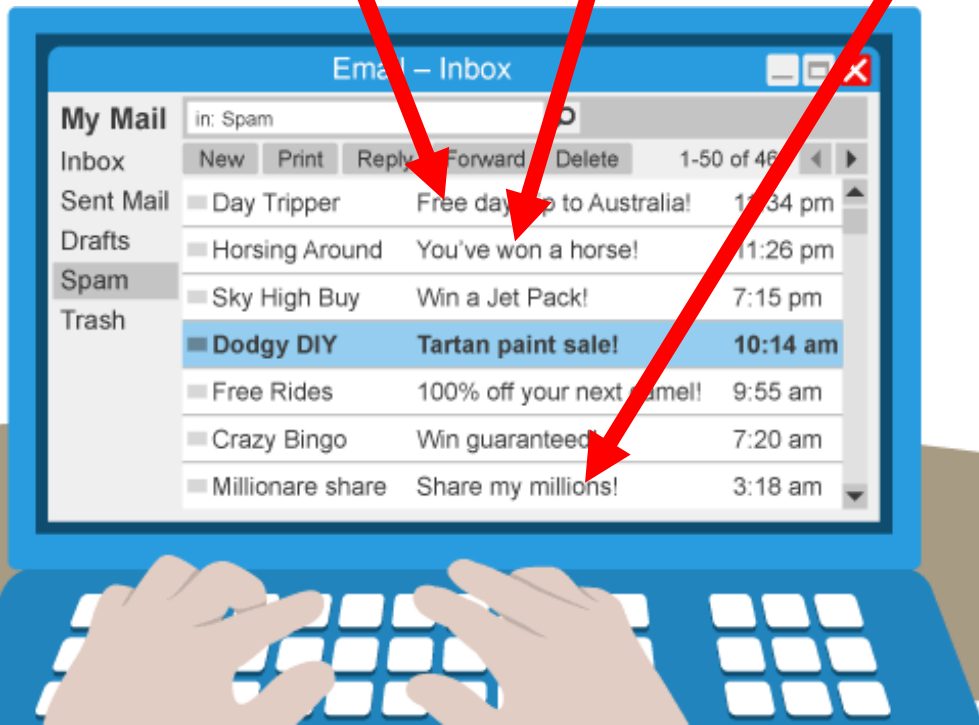
Sending an email, pretending to be a trustworthy company/individual, in an attempt to steal information such as usernames and passwords

“Free day trip to Australia”

You have **won**  
something

Often involves  
**money**

# Phishing Email Contents





# Phishing Example



Highlight/circle 2 things that make you realise this is a phishing email?

Dear valued customer of TrustedBank,

We have recieved notice that you have recently attempted to withdraw the following amount from your checking account while in another country: \$135.25.

If this information is not correct, someone unknown may have access to your account. As a safety measure, please visit our website via the link below to verify your personal information:

<http://www.trustedbank.com/general/custverifyinfo.asp>

Once you have done this, our fraud department will work to resolve this discrepancy. We are happy you have chosen us to do business with.

Thank you,  
TrustedBank



Trojan



## Trojan horses

A program that enters a computer by hiding inside an apparently innocent application. Once inside, it may take control of the computer and steal confidential information like passwords and credit card details

# Malicious programs

This category of malware can damage and destroy programs, and compromise data



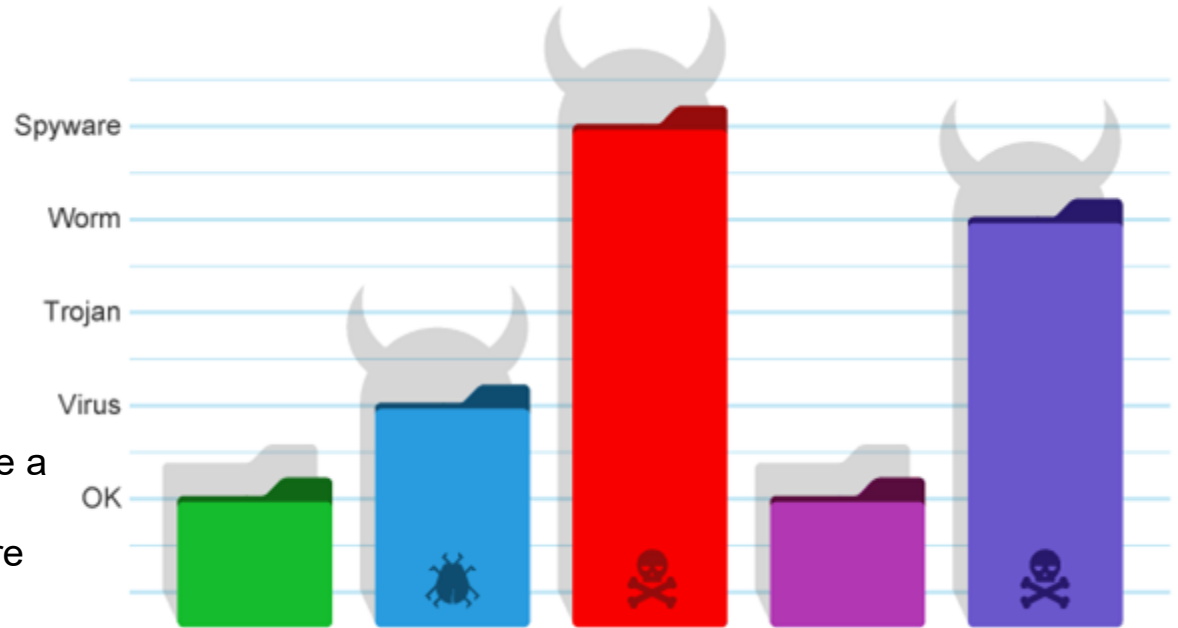
**Virus** - Some malware, known as **viruses**, replicate themselves onto other computers from an infected machine

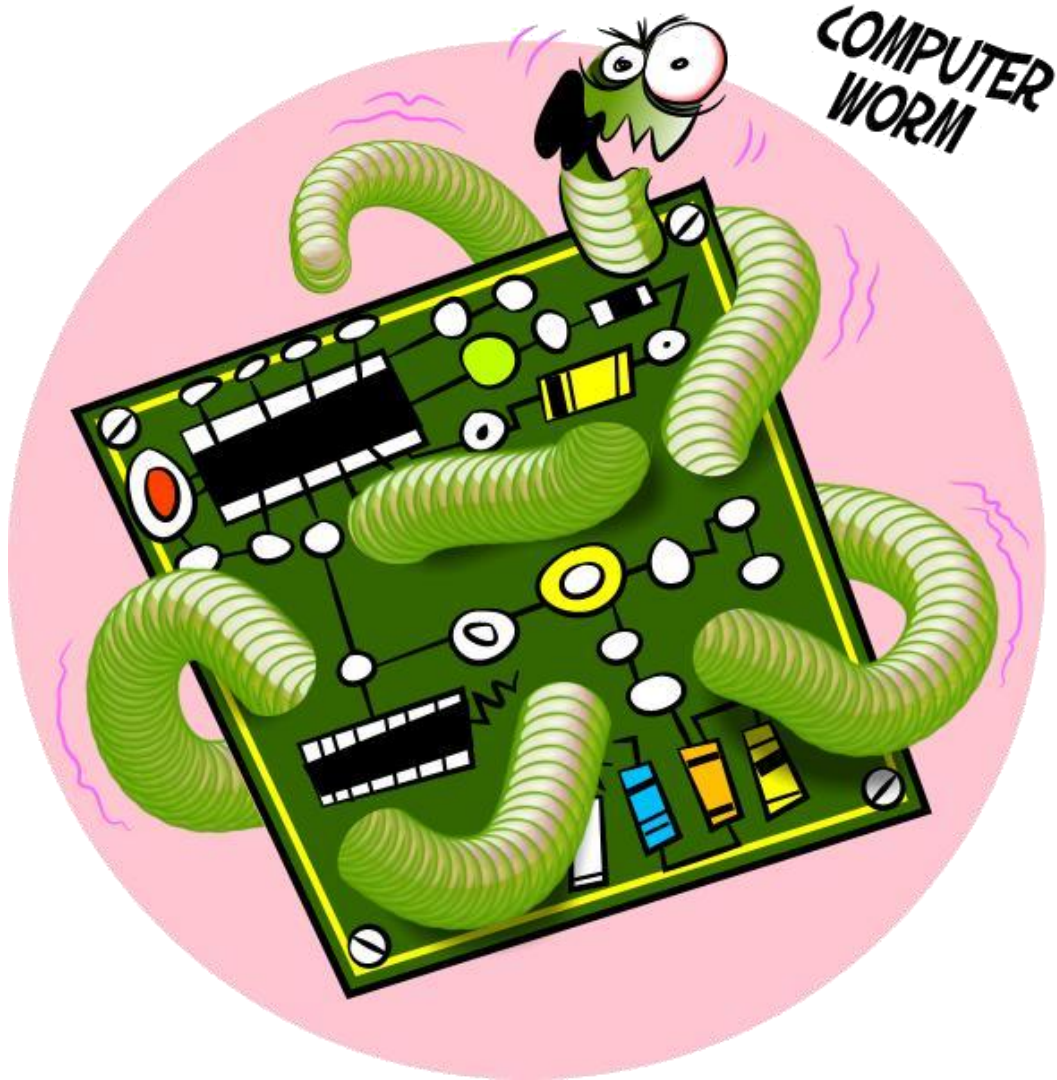


**Worms** – infectious programs



**Rogue security**- it pretends to be a program that removes malware infection, but it's actually the malware that disactivates the real antivirus installed in the computer





## Worms

A program that invades computers on a network and buries(seppellisce) itself deep inside the software. It replicates to prevent deletion and may carry a virus.

[Malware: Difference Between Computer Viruses,  
Worms and Trojans](#)

**Watch the video**



## Mobile malware

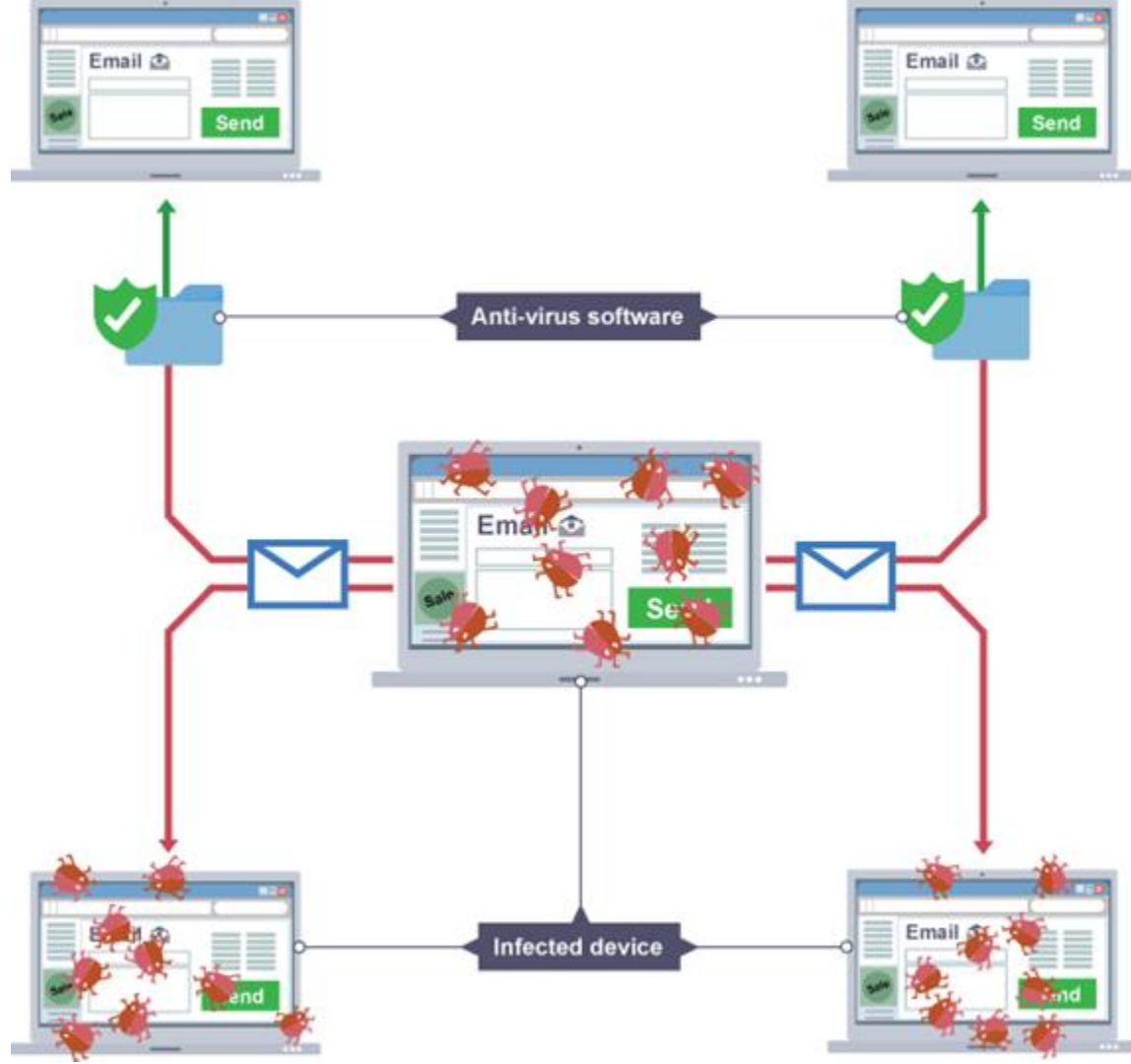
- Expander: it affects the phone billing
- Ghost push: it infects Android, and it is downloaded and converted into an app.



# Protect Yourself!

Protection against **malware**:

- Antivirus software
- Firewall
- Being careful about what links you open on emails and what sites you visit



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