



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
- Computer without your knowledge or consent.





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

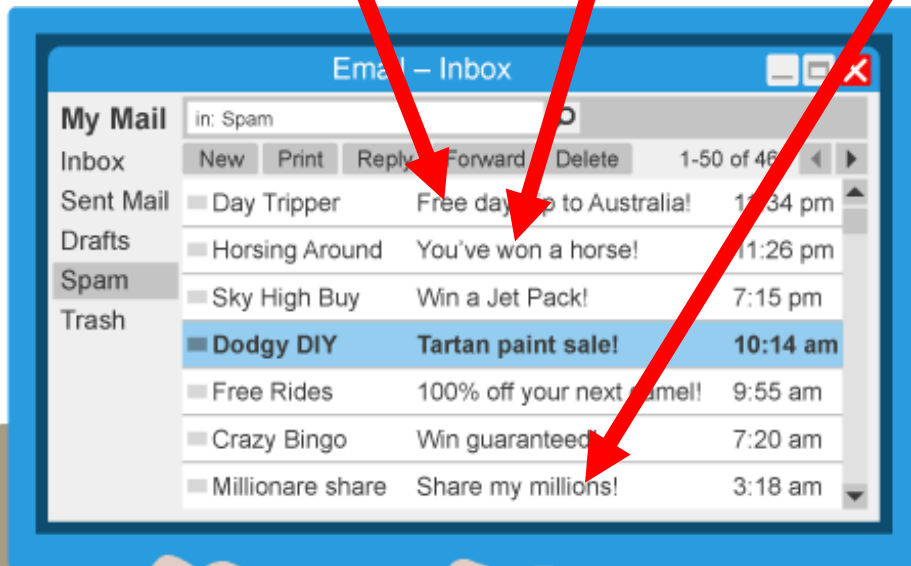
Sending an email, pretending to be a trustworthy company/individual, in an attempt to steal information such as usernames and passwords

“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



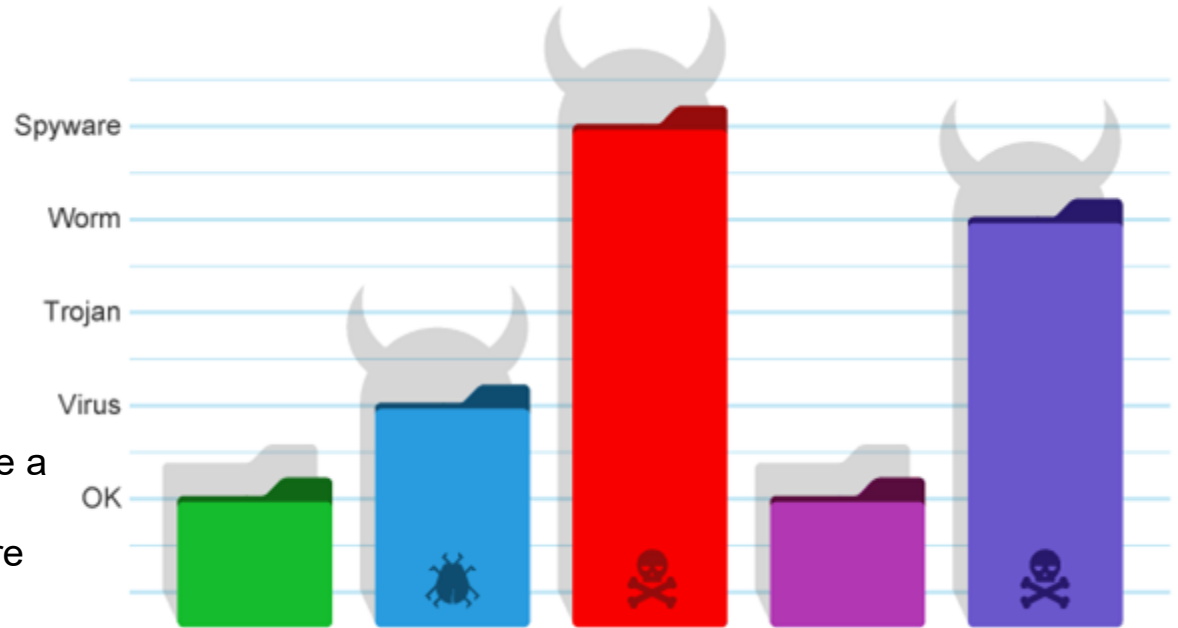
Virus - Some malware, known as **viruses**, replicate themselves onto other computers from an infected machine

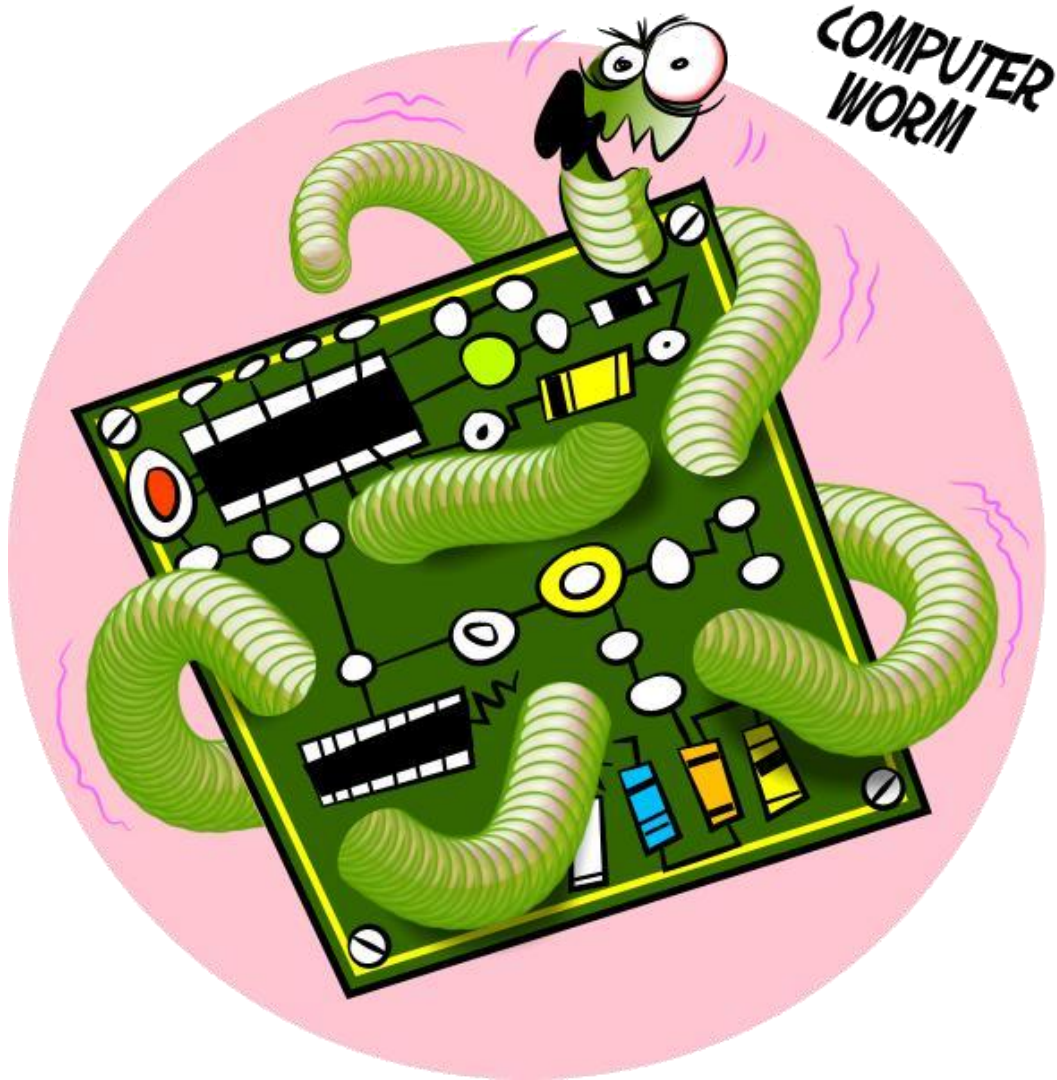


Worms – infectious programs



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



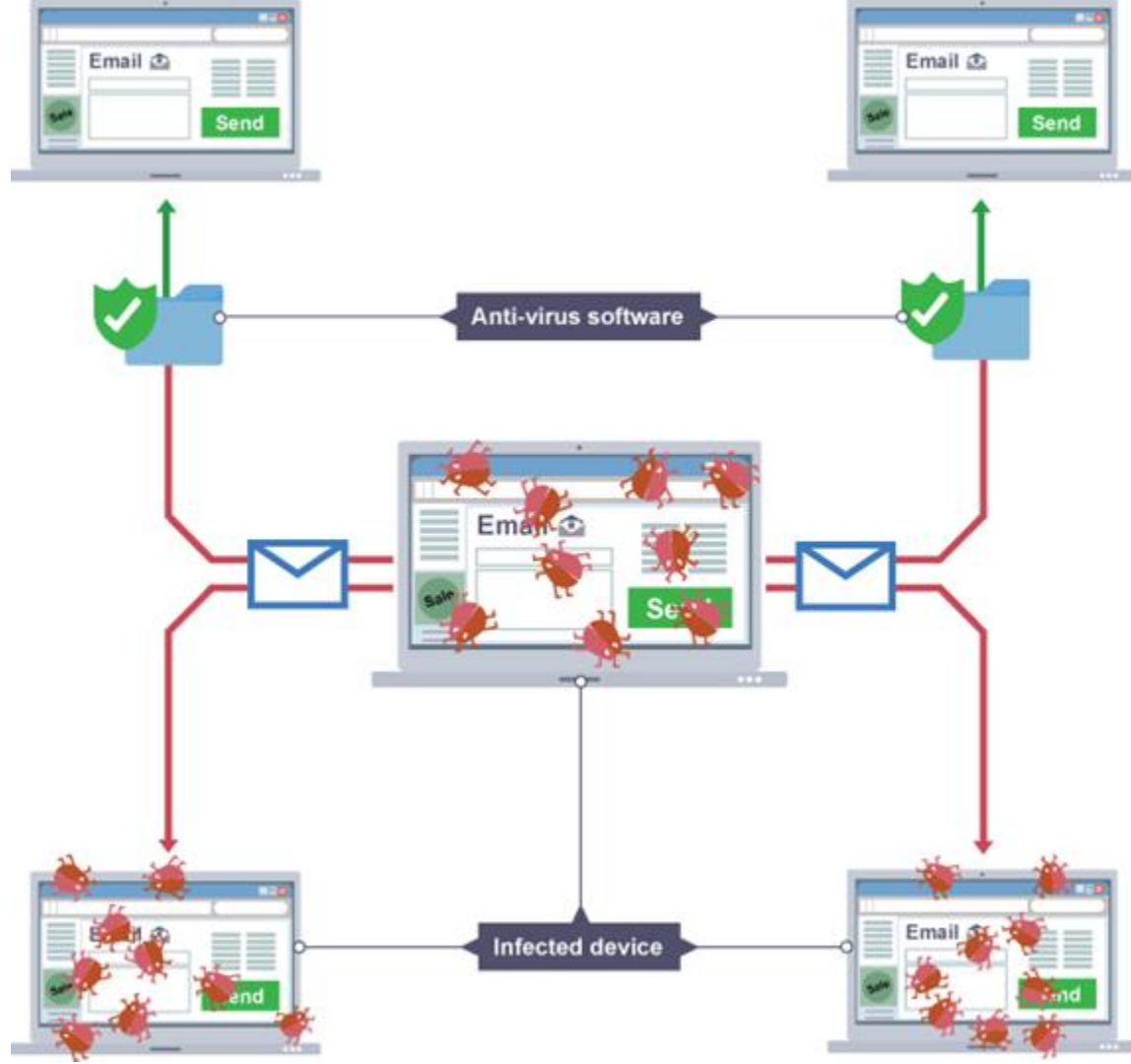
Mobile malware

- 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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