



Malware

Elkina Galina, Herzen University, 2 years of CS&CE



Short review

What is a “malware” and how it can harm your computer?



Viruses

Infection methods:

- by files are sent via email
- by physical media



Worms

WARNING!

For worm enough infect only one computer
to infect the whole network.



Adware

Some adware programs are relatively harmless, but it can be **deceiving**



Spyware

These spies **not only**
steal your **computer**.
They can steal
whole you



Ransomware programs

If you do
not have
money, do
not mess
with them



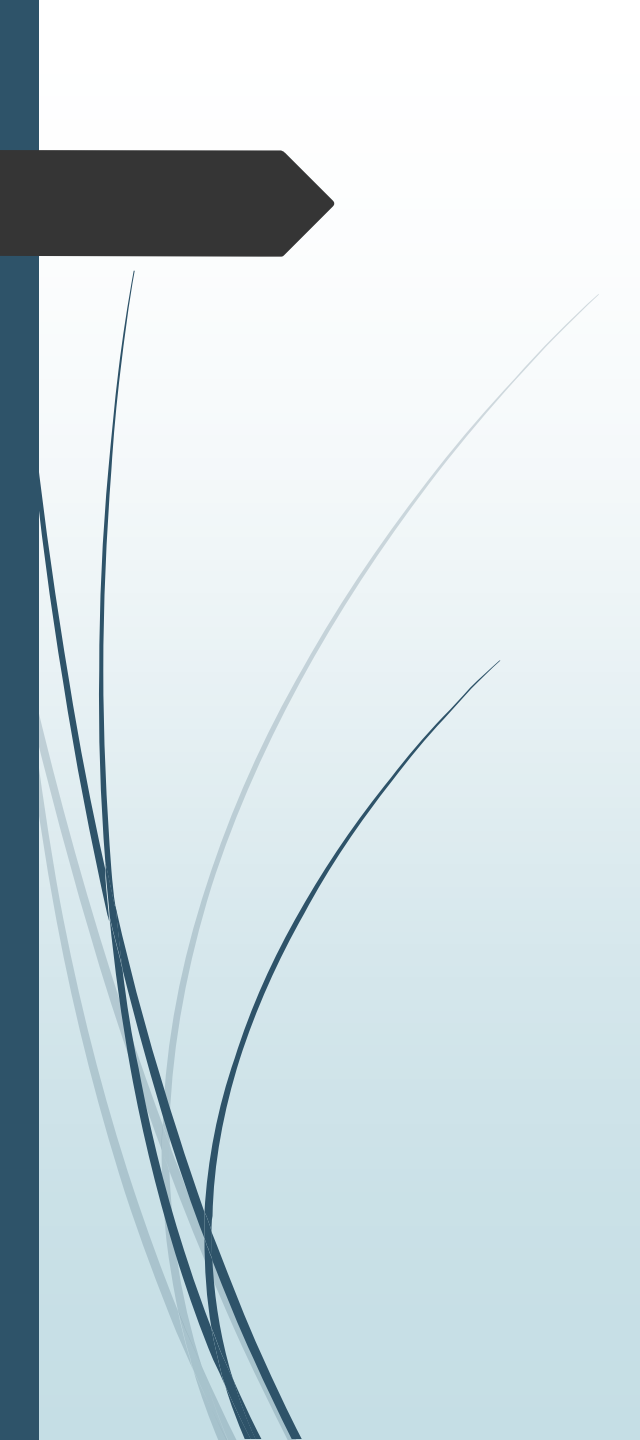
Bots

Bots can smile to you and do
their villainies behind your back



Rootkits


They are able to penetrate
your computer remotely and
hide better than any spies



Breaks
yoUr
distingUished
Security



Myths and Facts

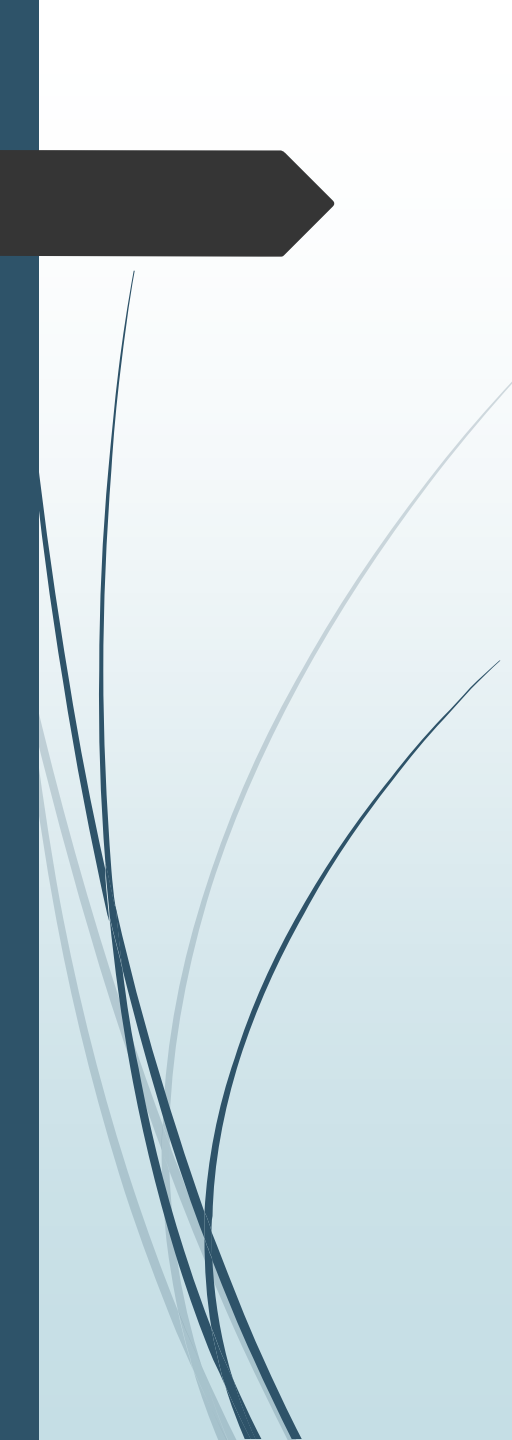


Any computer error message indicates
a virus infection.

Viruses and worms always need user
interaction.

Email attachments from reputable
senders are secure.

Antivirus programs can prevent
infection.



Viruses can cause physical damage to
your computer

only if it is your Clever Thing

“

As a rule, malware leaves **no trace**, and your system **will not** show **any signs** of infection.

”

Twitter

Do **not believe** that all sites with a **good** reputation **are safe**.



Standard infection methods



Links to malicious websites in emails or posts
on social networks

A visit to an infected site

The use of an infected USB drive on your
computer

Vulnerabilities in the operating system and
applications



WARNING!

The goal of hackers is to write a message so that you find it convincing.



Confidential data, such as passwords, is the main target of cybercriminals.

it is so **important** to use a **unique** and **complex** password for **each** account.



Signs of infection



A decrease in performance

Modified home pages in your browser

More frequent than usual pop-up ads

Affect the basic functions of a
computer



Be vigilant and take care of
your computer's health just
as you take care of yours!

Thank you for your attention!