




LESSON 4:
MALWARE



***HELLO
STUDENTS...
I'M MALWARE***

***HAVE YOU EVER
HEARD OF ME?
I'M EVERYWHERE.***

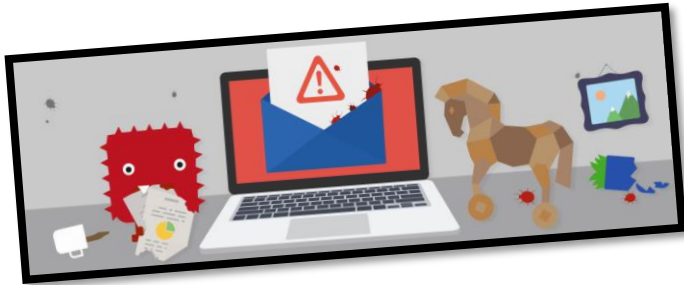


***MY NAME IS SHORT FOR
"MALICIOUS SOFTWARE"***

I am a sneaky evil villain that
hides in your computer,
devices and online and does
unwanted things.

HOW DO WE GET MALWARE?

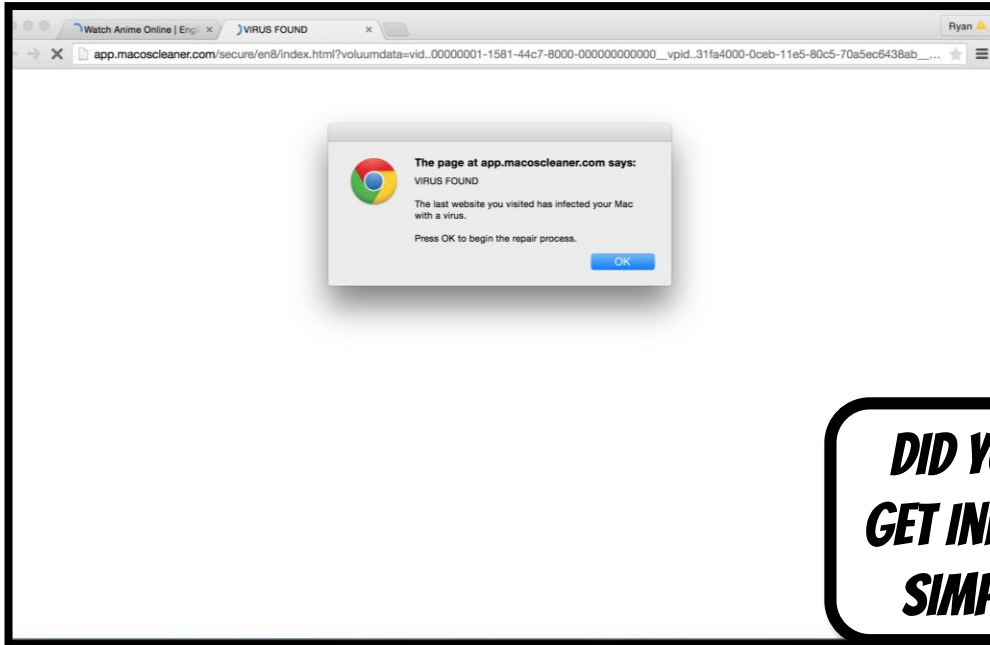
It's really quite easy. Scammers and makers of malware trick unsuspecting users into clicking on links, clicking accept or okay on pop-ups and then downloading and installing programs on computers, tablets and phones that can then do bad things.



***A LOT OF TIMES, MALWARE
IS SENT THROUGH
PHISHING EMAILS AND ON
SKETCHY WEBSITES.***

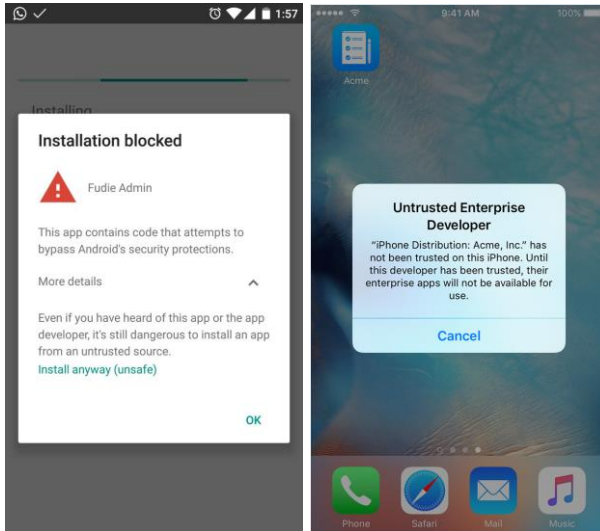


HOW DOES MALWARE GET ON MY COMPUTER?



DID YOU KNOW THAT YOU CAN GET INFECTED WITH MALWARE BY SIMPLY VISITING A WEBSITE?

HOW DOES MALWARE GET MY DEVICE?



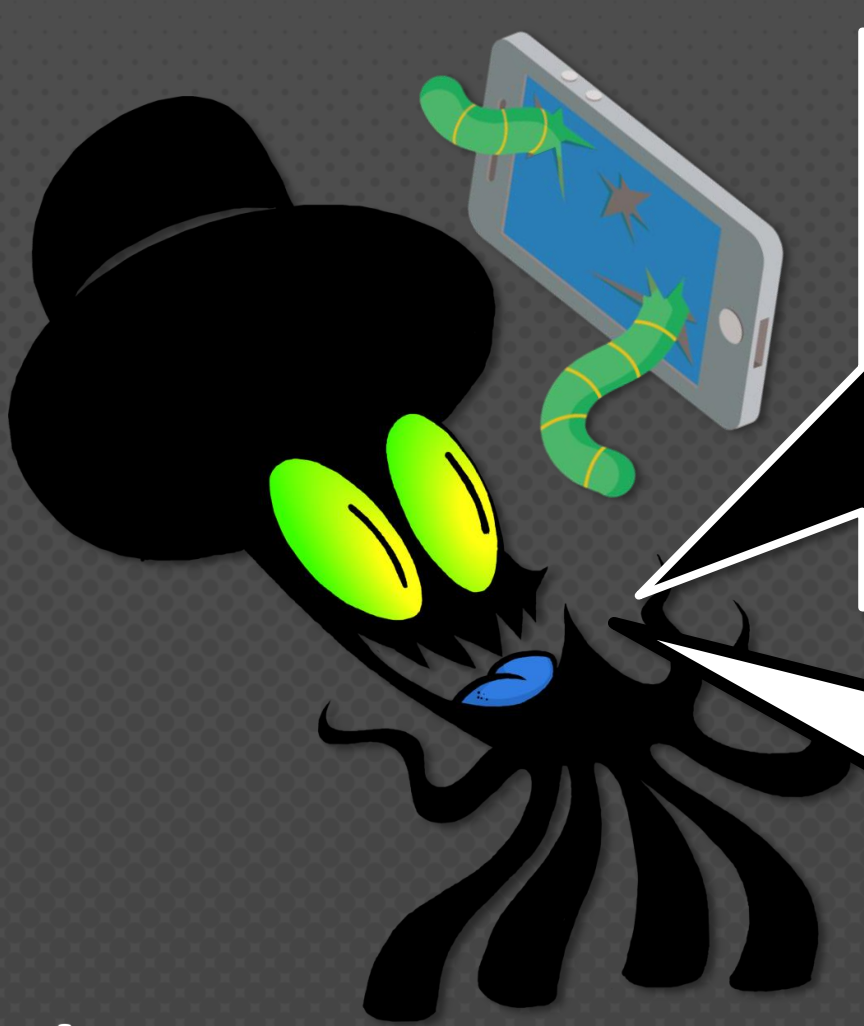
App Store



Google play



YOU CAN GET MALWARE ON YOUR DEVICE BY DOWNLOADING APPS OUTSIDE OF THE APP STORE OR GOOGLE PLAY STORE. SOMETIMES SKETCHY APPS CAN END UP ON THE OFFICIAL APP/PLAY STORE, SO BE SURE TO READ REVIEWS AND RESEARCH THE DEVELOPER OF THE APP.



***YES, YES, INSTALL THAT
APP YOU DOWNLOADED
ON YOUR PHONE FROM
AN UNTRUSTED SOURCE.***

***THEN WE CAN HAVE
SOME REAL FUN,
MUHAHAHA***

DRIVE-BY DOWNLOADS

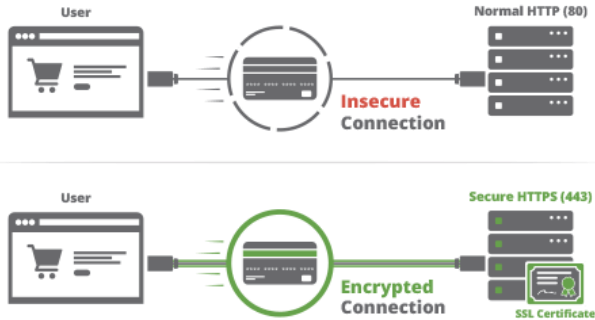


If you visit infected websites, they can secretly download malware on your computer or devices. Beware of sites not using HTTPS!

Ignore that warning, it'll be fine!

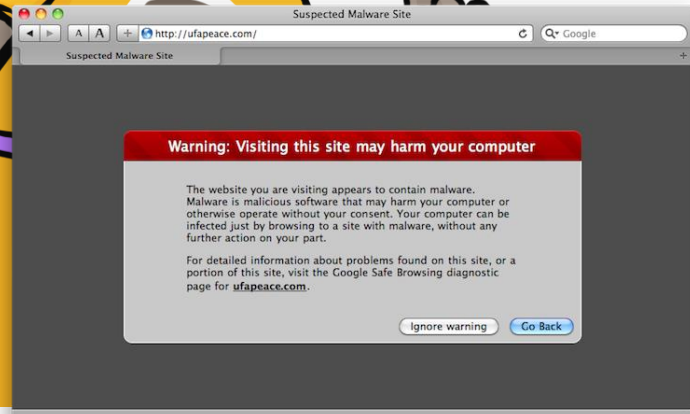
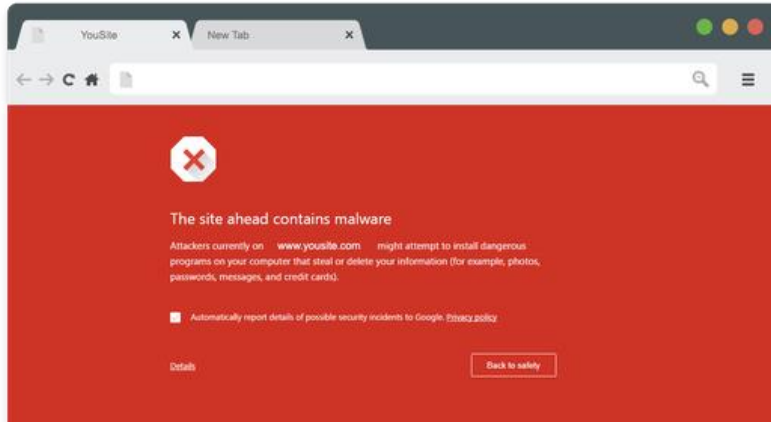


HTTP vs HTTPS



AVOIDING DRIVE-BY DOWNLOADS

Don't visit untrusted websites! Pay attention to your browsers' (Chrome, Firefox, Safari, etc.) warnings.



***THERE ARE MANY
DIFFERENT TYPES OF
MALWARE...***

Some of them are:
Adware, Spyware and
Computer Viruses.

***OH THOSE ALL SOUND LIKE
GOOD THINGS TO ME...
THE MORE THE BETTER***

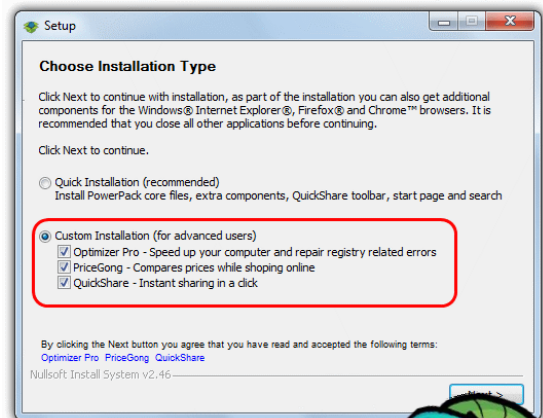
COMPUTER VIRUSES

- × Just like human virus makes your computer sick
- × Computer viruses are sneaky and hide themselves behind other programs on your computer!



ADWARE

- ✗ Adware is a program that downloads or displays unwanted advertisements. It can infect your computer by being added onto a free product or simply by visiting an infected website.
- ✗ A safe practice is to NOT click on these ads!



Adware is sneaky and so annoying!
Always slow down and read before
clicking okay or next.



SPYWARE

- × Malware that collects data about a user without their knowledge.
- × What does it collect:
 - × your personal information
 - × your pictures
 - × keystrokes
 - × your banking information
 - × what website you visit
 - × what you like to buy
- × The spyware sends the collected information to data collection agents.
- × Can also take videos and pictures of you and your room!

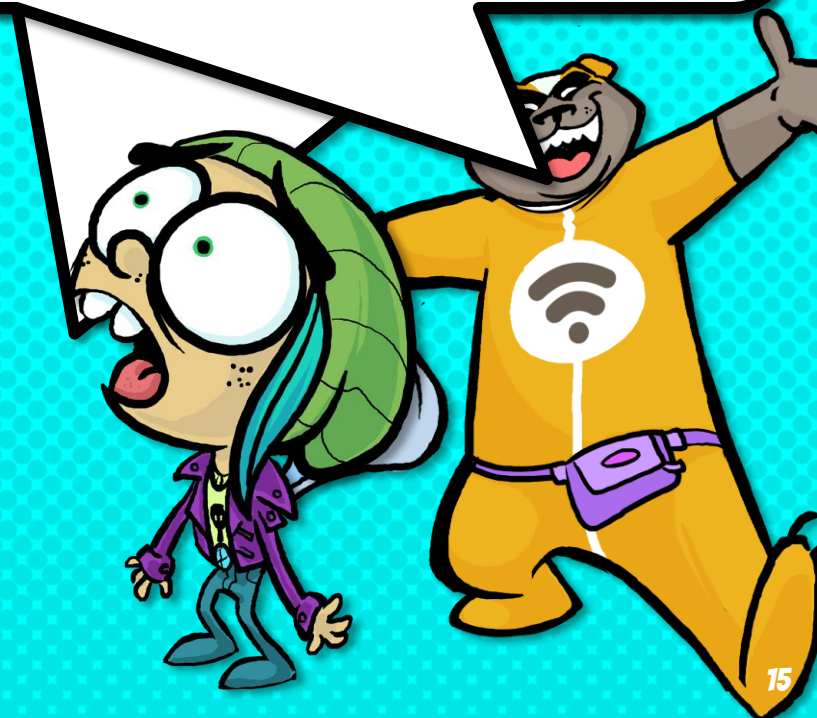
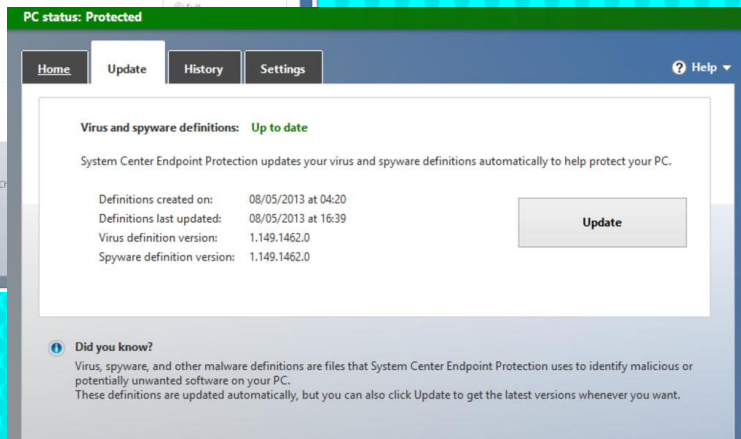
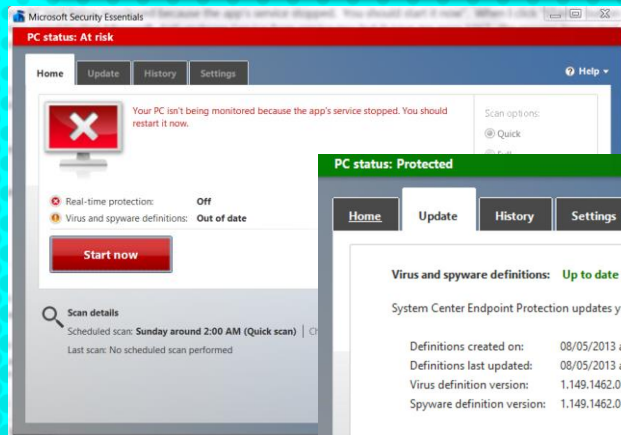
Did you know spyware programs can make it easy to access your webcam? Always cover your webcam if you are not using it!



***SO WHAT CAN I DO
TO PROTECT MYSELF
FROM MALWARE!?***



USE AN ANTI-VIRUS PROGRAM THAT ALSO CHECKS FOR MALWARE. AND ALWAYS, ALWAYS, INSTALL AND UPDATE YOUR ANTI-VIRUS PROGRAM DEFINITIONS.



ALSO, ALWAYS DO YOUR BEST TO KEEP YOUR DEVICE OPERATING SYSTEMS (WINDOWS, ANDROID, IOS) UP-TO-DATE!

