Computer & Network Security

Lecture 7-2

Computers & Society (CPSC 430)

Kevin Leyton-Brown

https://www.cs.ubc.ca/~kevinlb/teaching/cs430
Malware: Evil Code that can Run on Your Computer

• **Viruses**
  – What is a virus?
  – *Have you ever (knowingly) gotten one?*

• **Worms**
  – What is a worm? How is it different from a virus?
  – *Is it wrong to distribute a virus or worm that doesn’t harm anyone?*

• **Trojan Horses**
  – What is a Trojan horse? How is it different from the first two?

• *Do the victims of a virus/worm/Trojan horse share responsibility for being attacked if their system is not up to date?*
Malware II: More Evil Code

• Spyware/Adware
  – What is spyware? What is adware?
  – *Is it ever moral to install spyware/adware on a user’s computer without their consent?*

• Bios-based Spyware
  – How many of you know what this is?

• Drive-by Downloads
  – What is a drive-by download?
  – *What do you think the best defenses are against them?*

• General-purpose Defensive Measures
  – security patches
  – anti-malware tools
  – firewalls
  – *Anything else?*