

Security 1

- CIA Triad
 - o Confidentiality
 - o Integrity
 - o Availability
- Malware
 - o Spyware
 - o Viruses/worms/rootkits
 - o Ransomware
 - o Bots/Botnets
- Malware overview
 - o Specifically designed to compromise one (or all) facets of the CIA Triad.
 - o Many different categories of Malware
 - o Can be combined with one another to increase the complexity of an attack
- Spyware
 - o Captures user information
- Viruses/worms/rootkits
 - o Malware designed to spread
- Ransomware
 - o Steal data/ hold it hostage
- Bots/ Botnet
 - o Hijack system/ make a bot army

1. Spyware
 - a. Malware that captures info
 - i. Compromises confidentiality
 - b. Advertising
 - i. Tracking cookies
 - ii. Record spending habits
 - c. Keyloggers/Webcams
 - i. Record keystrokes
 - ii. Records video/audio
 - d. Heuristic data