

Cybersecurity

Operation Risk Perspectives: Protecting Your Employer and Yourself



Overview



- I. The Target
- II. The Attackers
- III. Common Attack Techniques
- IV. Defensive Measures
- V. Internet of Things (IoT)



The Target



- High valued information assets
 - Intelligence
 - Financial Systems and Information
 - Business Sensitive and Proprietary Information
 - Sensitive personal information
- Computer resources
- Internet presence
- Brand or Reputation



The Attackers



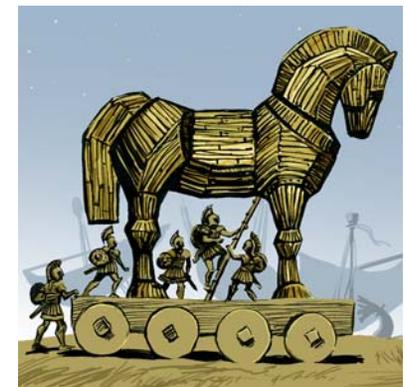
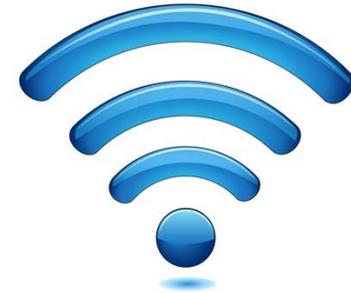
- Nation States
 - Intelligence, sabotage, intellectual property, force projection
- Criminals
 - Money, sensitive PII, extortion, capability
- Hacktivists
 - Political agenda, publicity, power
- Crackers
 - Fame, intellectual challenge, personal agenda
- Terrorists
 - Sabotage, financial gain, fear, confusion
- Insiders
 - Financial gain, political/personal agenda



Common Attack Techniques



- Social Engineering
 - Phishing Emails
 - Social Media
 - Watering hole attacks
- Public Wi-fi
- Trojan Horse Techniques
 - Malware
 - USB Drive Planting
- Software Vulnerability Exploit
- Privilege Misuse
- Cyber Espionage



Internet of Things (IoT)



Security??

