













CS4950/5950 Homeland Security & Cybersecurity

Cyber Crime

- Russia and North Korea are home to most prolific cyber thieves.
 - NK stole "tens of millions" from the SWIFT global bank network in 2016
 - Best cyber-criminals live in Russia where they need not fear extradition
- Ransomware is the fastest growing cybercrime
 - 6,000 online marketplaces sell ransomware products & services
- Cybercrime has become professionalized & sophisticated
 - · Markets offer range of tools & services for criminally inclined
 - Customers can rent or buy exploit kits, bot-nets, and/or ransomware
- · Cybercrime is diversifying:
 - Third-party Suppliers: Selling "vulnerabilities" to malware developers
 - Web injections modifying web sites to steal sensitive information



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Cyber Crime

- The reluctance of companies to admit loss is encouraged by competing needs to protect their reputation and stem further damages by loss of public confidence.
- This incentive towards remaining silent unwittingly assists criminals with evading justice, and encourages them on to more exploits.



8 Esc





















