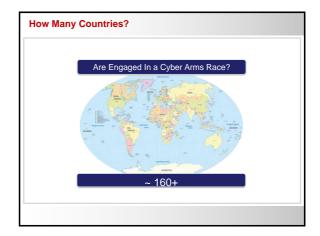
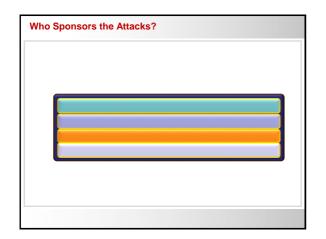


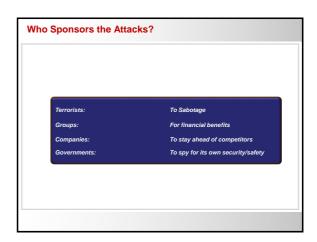
Contents 1. What is the Landscape of Cybersecurity? 2. How SECURITY Evolved to CYBERSECURITY? 3. Why Cybersecurity is a Challenge? 4. Some Worth Mentioning Attack Types 5. How to defend the attacks 6. Regulations on Cybersecurity



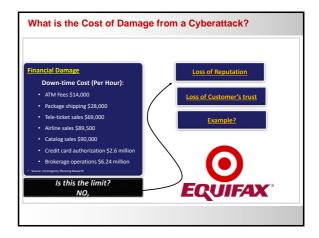










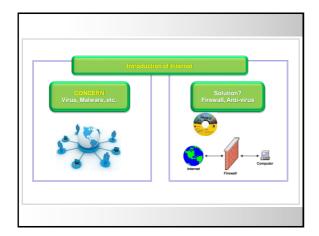


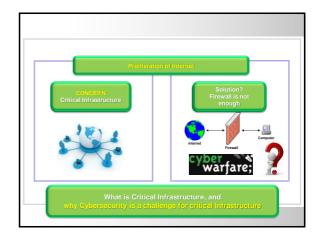






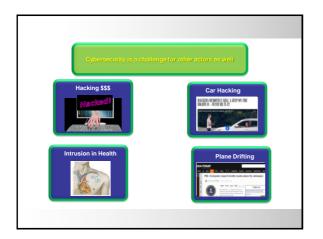




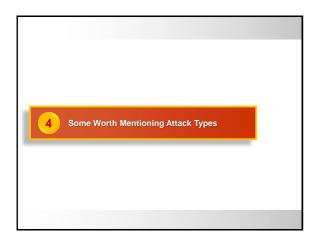


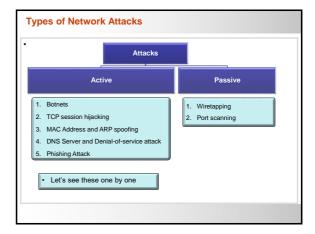


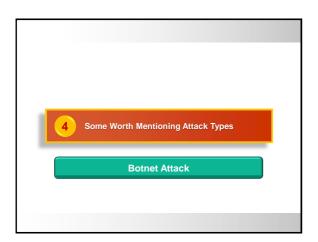


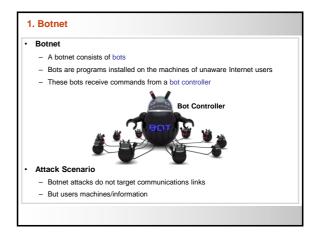


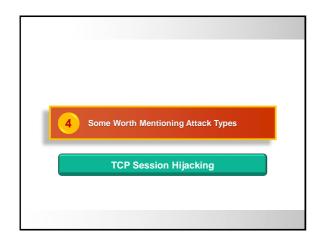


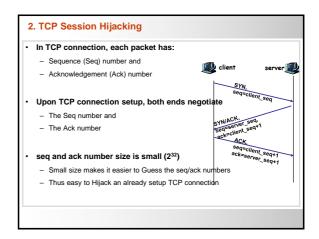


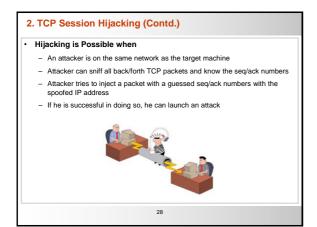


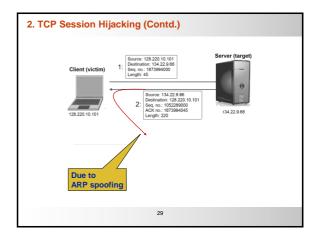


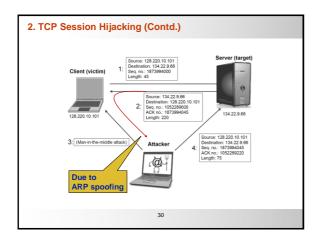


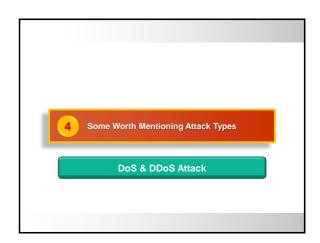


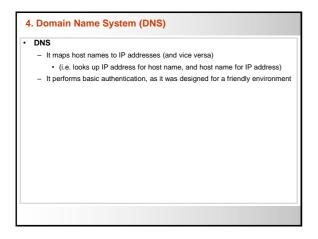


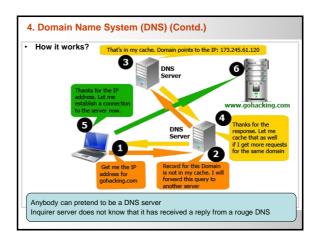


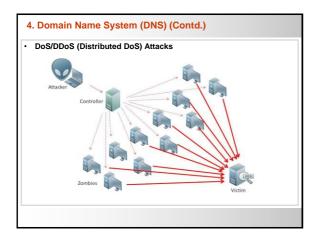


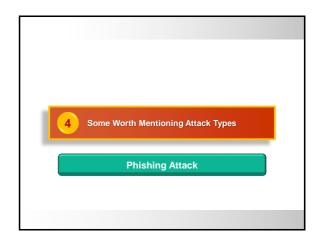




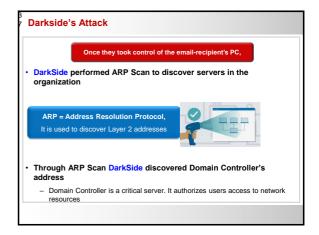






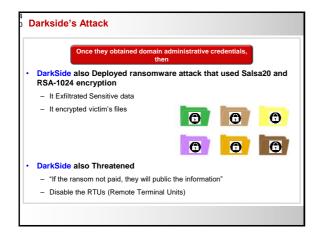


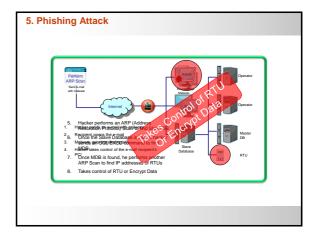






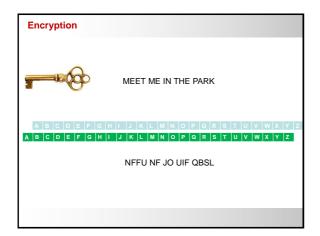


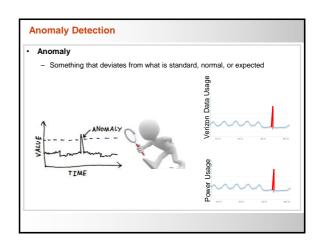


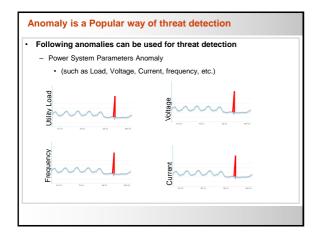


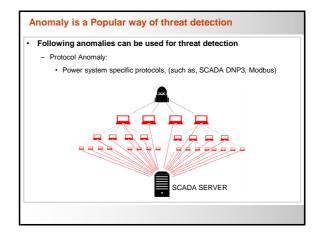


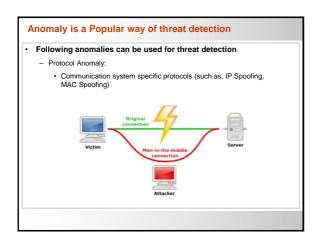


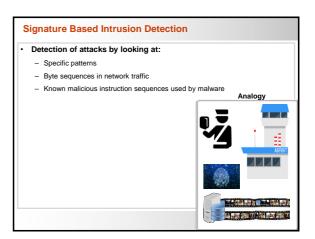


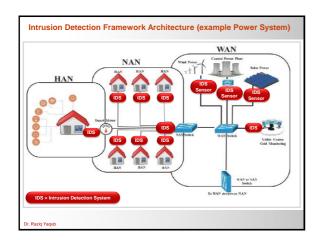


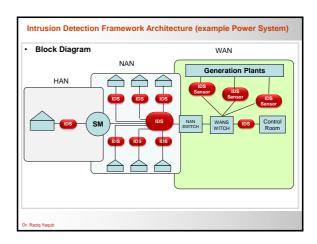


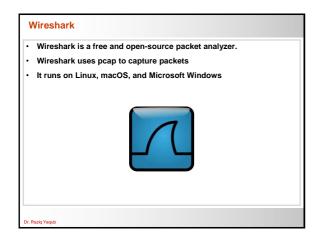


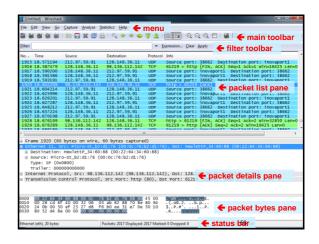


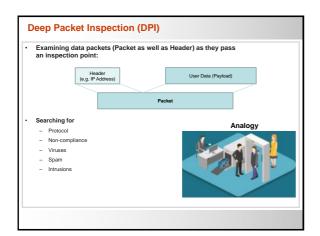


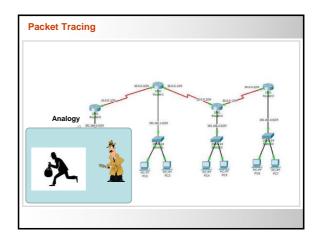


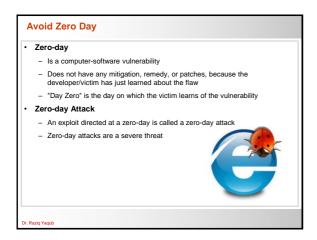




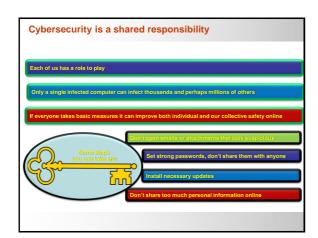


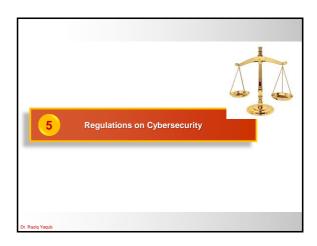




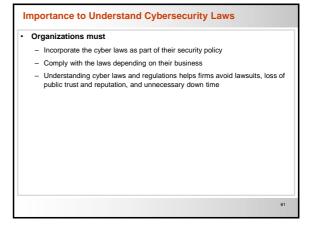








Importance to Understand Cybersecurity Laws Cybersecurity Laws are introduced to: To improve organizational security To protect people and their assets To mitigate Cyber Crimes Every country has its own set of laws Governments have laid down security compliance requirements



Importance of Legal Framework

- · Law takes the principle of territoriality as point of departure;
- Cyber security tools and targets are physical-boundaryindependent:
- Agreements between nations create a general common basis for cyber security measures

Dr. Raziq Yaq

USA Cybersecurity Laws

- Computer Fraud and Abuse Act (CFAA)
 - Whoever ... intentionally accesses a computer without authorization or exceeds authorized access and thereby obtains... information from any protected computer ... as provided in subsection (c) of this CFAA
- · Electronic Protected Health Information (ePHI)
- · Health Insurance Portability and Accountability Act (HIPPA)
 - It protects information about individuals identifiable health records
 - It protects information both in motion and stationary

Dr. Raziq Yaqu

USA Cybersecurity Laws

- Cybersecurity Enhancement Act 2014
 - Public-Private Collaboration on Cybersecurity
 - Cybersecurity Research and Development
 - Education and Workforce Development
 - Cybersecurity Awareness and Preparedness
 - Advancement of Cybersecurity Technical Standards
- National Cybersecurity Protection Act 2014
- · Cybersecurity Workforce Assessment Act 2014
- Payment Card Industry Data Security Standards (PCI DSS)
- · The Economic Espionage Act of 1996

Or. Raziq Yaqui

Privacy Protection Laws/Acts

- · Laws on corporations: HIPAA, HITECH, GLBA, PIDEDA
- · Laws on government: FPA, VA ISA, USA PATRIOT

. Raziq Yaqul

Illegal access

- Illegal interception
- · Data interference
- · System interference
- Misuse of devices
- Computer-related forgery
- Computer-related fraud
- Offences related to child pornography
- Offences related to infringements of copyright and related rights

Or. Raziq Yaqul

Liability

- · Personal Information
 - Legally recognized obligation
 - Failure to conform to the required standard
- Proximate causation and resulting injury or damage

