CYBERSECURITY CAREER & ROADMAP

KAPITA SELEKTA, 14 MEI 2020

SIDA NALA RUKMA
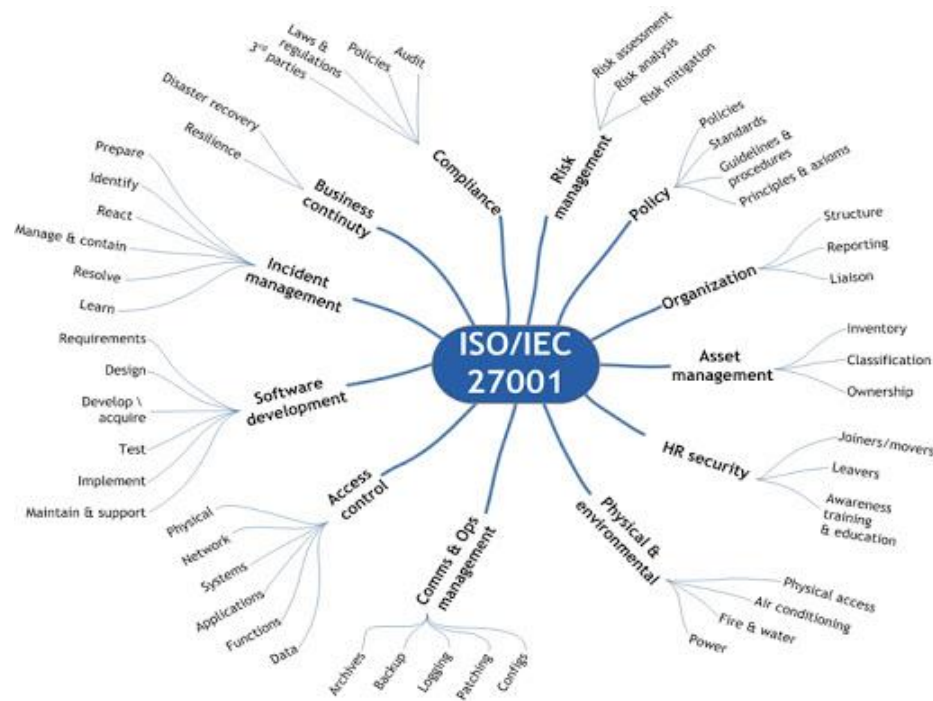
ABOUT ME

- Sida Nala Rukma J

- Security Consultant

- IT Security Trainer

- Code Lovers

- + Vloggers. Youtube Channel (@rudukmada)
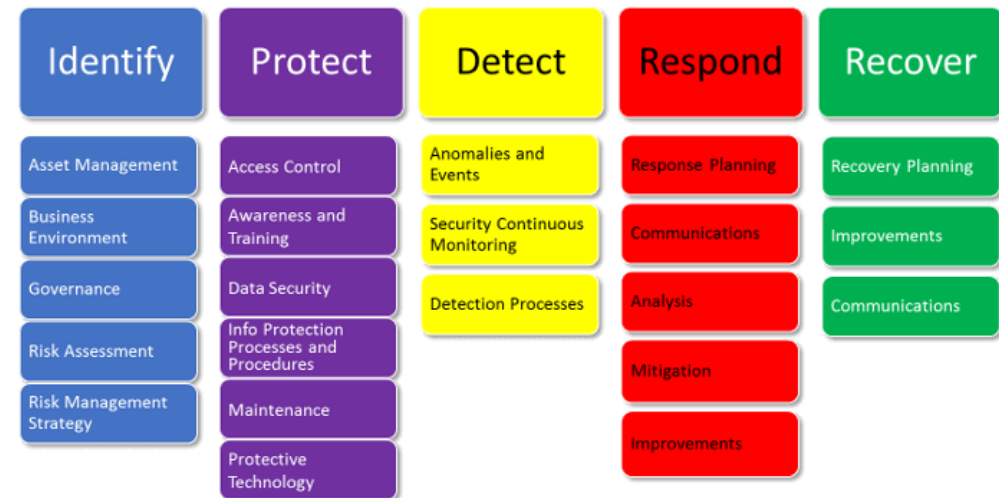
- Co - Founder Blueteam ID

INFORMATION SECURITY

- ISO/IEC 27001:2013(en) :Information technology — Security techniques — Information security management systems

- ISO/IEC 27032:2012 : Information technology — Security techniques — Guidelines for cybersecurity

- NIST Cybersecurity Framework

CYBERSECURITY

- KBBI

si.ber /sibêr/

→ Tesaurus

1. *n* sistem komputer dan informasi
2. *n* dunia maya
3. *a* berhubungan dengan internet

Konteks Penggunaan Terminologi "Siber" Saat ini

Sampai saat ini, penggunaan istilah siber/cyber dan turunannya seperti cyberspace, cybersecurity, cyber threat masih memiliki arti yang sangat luas. Kami mencatat terdapat setidaknya 26 definisi yang kami kumpulkan dari beberapa literatur mengenai istilah ini pada dokumen-dokumen strategi keamanan siber di beberapa negara di dunia. Hasilnya, kami mencatat dari 26 definisi tersebut mengerucut kepada hal-hal yang merujuk kepada:

1. Infrastruktur fisik: dalam hal ini istilah siber terkait erat dengan infrastruktur kritis informasi.
2. Jaringan komunikasi: istilah siber merujuk kepada komunikasi dan jaringan internet.
3. Sistem: istilah siber sangat terkait dengan sistem informasi yang menopang bisnis, sistem infrastruktur, dan jasa.
4. Perangkat/Piranti: istilah siber terkait dengan perangkat keras seperti computer, server, router, yang terkoneksi dengan internet.
5. Dunia maya: siber merujuk kepada dunia digital yang dikaitkan kepada jurisdiksi suatu negara.

CDEF Magazine 7th Edition Bulletin Released

What is cybersecurity?

Cybersecurity is the art of **protecting** networks, devices, and data from **unauthorized** access or criminal use and the practice of ensuring confidentiality, integrity, and availability (CIA) of information.

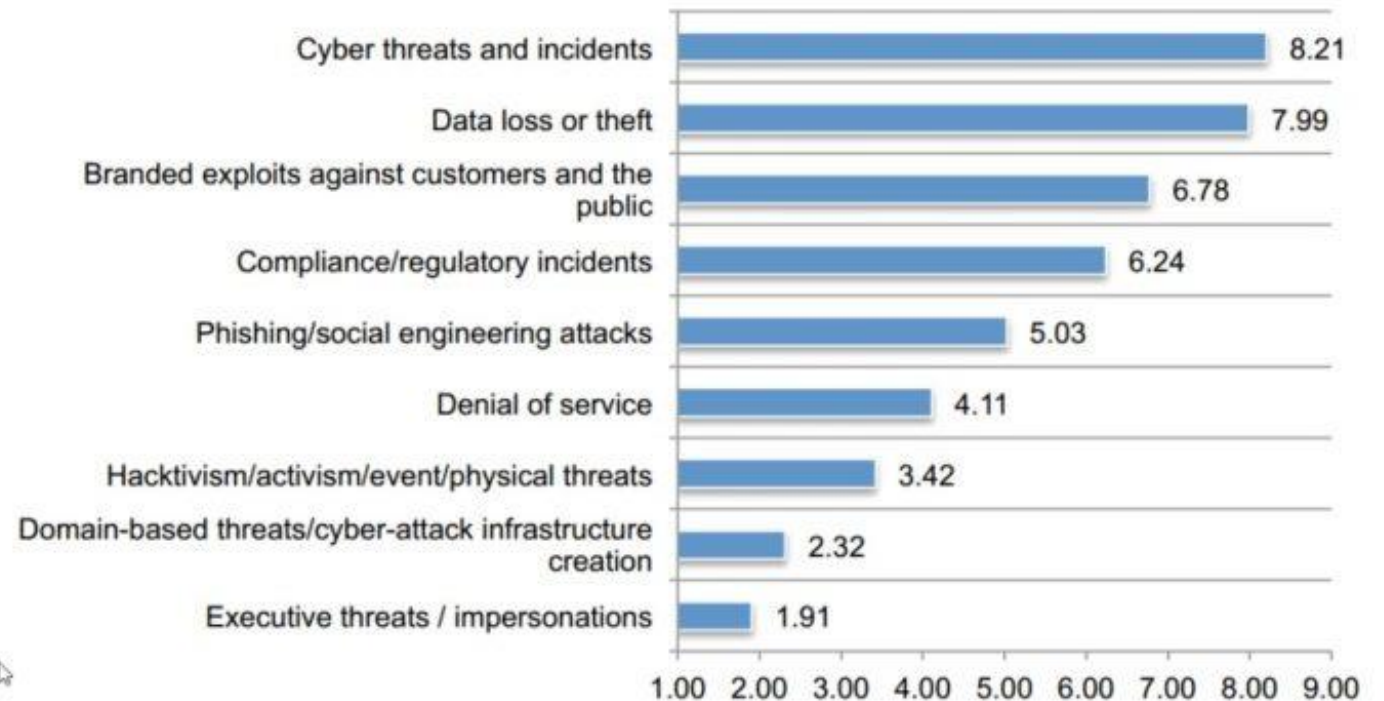https://www.us-cert.gov/ncas/tips/ST04-001

CYBERSECURITY RISK

- Hacking

- Social engineering attacks

- Phishing

- The proliferation of malicious software (malware)

- Data Leakage / Data Breach / Data Theft

- Insecure API / Application

- Cloud Abuse

- Single Factor Password

- Insider Threat

- Internet of Things (IoT)

- DDOS

Figure 3. The likelihood of nine external threat vectors occurring
9 = most likely to 1 = least likely

Threat Vector	Score
Cyber threats and incidents	8.21
Data loss or theft	7.99
Branded exploits against customers and the public	6.78
Compliance/regulatory incidents	6.24
Phishing/social engineering attacks	5.03
Denial of service	4.11
Hacktivism/activism/event/physical threats	3.42
Domain-based threats/cyber-attack infrastructure creation	2.32
Executive threats / impersonations	1.91

Source: Ponemon Institute – Security Beyond the Traditional Perimeter

WHY

- ICT Technology Growing Rapidly

- Cyberattacks are Increasing

- Significant Skill Gaps

- Budget Issue (Before & After incident)

- Lack of IT Security Resources

you can't protect what you don't know

Presented by Vandy Putrandika, CISSP, CISM, CISA, CEH, PMP
Career Path in Information Security
26 September 2019
IT Security and IT Audit Community 10th Meetup

VACANCY

Chief Information Security Officer (CISO), GoPay
Gojek
Jakarta, ID

🏛 3 alumni work here

2 minggu yang lalu

Information Security and Governance
PT Asuransi Allianz Life Indonesia
Jakarta, ID

6 hari yang lalu

IT Security
DOKU, PT NUSA SATU INTI ARTHA
Jakarta, ID

1 bulan yang lalu

IT System Administrator and Security Analys
Astra Financial Indonesia
Jakarta, ID

2 minggu yang lalu

Cybersecurity Manager
PT 360 Teknologi Indonesia
South Tangerang, ID

3 bulan yang lalu

Security Operation Center
PT. Jasa Teknologi Informasi IBM
Jakarta, ID

1 bulan yang lalu · 12 pelamar

Penetration Tester
PT Anabatic Digital Raya
Tangerang, ID

1 bulan yang lalu · 11 pelamar

IT Compliance Analyst
PT. Infinitium Solutions
Jakarta, ID

1 bulan yang lalu · 3 pelamar

and many more...

CYBERSECURITY FUNDAMENTAL

Network Security Essentials

Defense-In-Depth and Attacks

Threat Management

Cryptography, Risk Management and Response

Windows Security

Linux Security

THEN

Find & Joining Community

Passion

Deep into Information Technology Knowledge

Certification

Create and Maintains your network

Hard and Soft skill Improvement

EXTERNAL RESOURCES

- SANS Institude : https://www.sans.org/

- EC Council : https://www.eccouncil.org/

- Offensive Security : https://www.offensive-security.com/

- Cyber Defense Community : https://cdef.id

- Blueteam.ID : https://blueteam.id

Thank You

Sida Nala

@rudukmada

@rudukmada

@rudukmada