

Meli byste umet popsat/vysvetlit/uvest priklady:

- CIA Triad
- Typy rizeni
- BYOD, BYOA
- Principle of least privilege, separation of duties
- Identifikace, autentizace, autorizace
- Risk management, example
- OWASP Top 10 (Např. vysvetlete A4 - *Broken Access Control*)
- Overflow attacks
- Canaries
- Shell Code
- Directory traversal
- DoS, DDoS, Slow Loris
- Race conditions, TOCTTOU
- Sniffing, session hijacking, cookies, Session IDs
- Social hacking/soc. engineering
- Injection (obecne, priklady)
- SQL Injection: priklady, obrana
- XSS, CSRF
- MITM, SSL Stripping
- UI Reddress, Silent Link Replacement, ... (viz prislusny slide)
- Evil maid attack, coldboot
- Malware, scare-, rogue-, ad-, spy-ware, keylogger, dialer, ransomware
- phishing (spear phishing, waterhole attack, scam, snowshoe/hailstorm)
- URL padding, Homograph attack/phishing
- CaaS
- Side channel, timing
- ROP, emulation detection
- Botnets (CC server), DGA
- 2015 attack vectors (exe files: 30 %) vs. 2017 attack vectors
- Signature-based antivirus
- Malware: Obfuscation, Droppers
- App repackaging, Trojans
- IoT: Problems, how to secure
- ATM skimming, CC monetization
- GAO/FDA study, FDA efforts
- Erven/Collao study
- Symmetric, assymetric encryption; hashing
- Password storage (secure, best practices), attacks, rainbow tables
- 0-day attack
- Backup, Firewall, IPS, IDS
- Biometrie
- Zasady: secure systems
- Vyuziti hacked PC, monetizace
- DLP
- Attack Tree
- Pentest, auditing
- ZKB/ISO 27k
- GDPR
- Chatbot and Security