Opposed wall of William Frado 07/24/2025 Apps/Cloud Volnerabili-- Microsoft Libraries DLL injection · uttackers inject a path to a malicious DLL. · one of the most popularmemory injection method. Tech SKY Buffer overflow attacks Explained I towarta-ckers exploits momory. YTB Scope evaluation Target.

11 refers to product, system, or service being analyzed for potention severity vulnerabi1863. Cloud Side-channel Attack Cloud oryptojacking - attacker uses cloud's proce-soing power to mine cryptocurrency. YTB-CABB 101: Why does anyone need a casb's CASB = Cloud Access Security Droker · enable single sign on authoritication · authorization from enterprise Network to CSP · monitor & audit user and resource activity 3 Implementation methods-· Forward proxy · reverse proxy

Willian Prodo 07/24/2025 web vulne rabilities Prof. Mosser What is an SBOM? Software Bill of Materials
Prof. Mosser Application Attack
Buffer overflow · Keplay attack · Privilege excalation < · vertide Mitigating privilege escalation * patch -fix the vulne rability. * uplated anti-virus/anti-malware software * Data Execution Prevention * Address space layout powerces videos: VTB SSL, TLS, HTTP, HTTPS, explained. Elevation of privilege vulnerability Cross-site request The client of the server Cross-site request forgery Directory traversal path traversal 00/00 https://www.amazon.com/home.html? View-00/00/windows/system gumy classroom. TCP-3 way handshake in details Web vv nerabilities 1. Session starting, 2. lonves atian SVN=synchronize 3. Ending Sessions) ACK = Acknowledge/Ackni byn> SYN ACK 2. Data Transmission ACK How TCP Starts & We session.

Willian Prodo 07/24/2025 Vulnerability types

No USBst white fist white fist Black-list

Legacys ystems End et life (EOL)/End-of-Service Life (EOSL) Systems back of vendor support

* VM Escape protection omalware code running in VM breaking out tinteracting w/ the host OS or other Vms (via hypervisor).

* VM Sprawl- . It of Vm machines exceed network Capacity.

4TB - VM Sprawl and. VM Escape

Always Keep Vm updated.

Zoro Day (0- day) uknown hardware/software flaw that can be N-day-known vulnerability + there IS a patch available.

flaw is known to developer third-party.

Harden ina

system

Sand looxing-isolation.

misconfiguration Cryptographic issue Key Length

jailbreaking = iOS devices (iphone/jpad)

application Vulnerabilities.
application attack-targets vulnerabilities in Oslapps.

William Frado *splicing
*BICSI cert. 07/24/2025 Apps & cloud Vulnerabilities Privilege Escalation - get privileges vertical horizontal Improper Error handling-file not found, fail open "Input 11

"sanitization" Pointer Deference vsed to refer to amemory location + not a value. race condition- multiples threads read twrite the say variable. race condition = timing

Techtorget

TOB > What is a Pace condition (computer programming)

YTB Vuder dand Rale conditions: Cause, exploits, to prevention w/ code examples. Training AWS google cloud Fudamentals
Course AWS develop Extent raining Memory injection attacker introduces (inject) malicious code into a running application's process memory. 9TB-What is memory Leak & affacker introduces (inject)
malicious code into a running application's process me-Brof. Mr.B - Memory injection. add code into the memory of an existing process.