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2025 10–11 SEP

CYBERSECURITY LEADERSHIP FORUM

Securing Identity for our Digital Future

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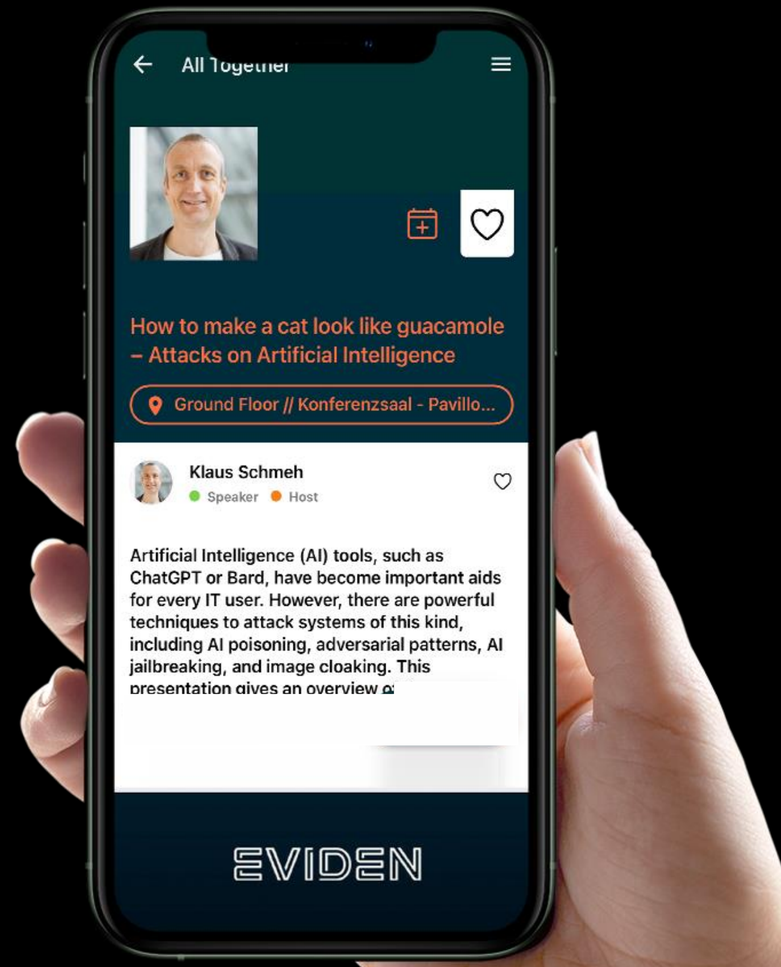
GET APP



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CYBERSECURITY LEADERSHIP FORUM
Securing Identity for our Digital Future

Dan Butnaru, Eviden
Digital Identity

Code Signing: Protect your software, your partners, and your customers

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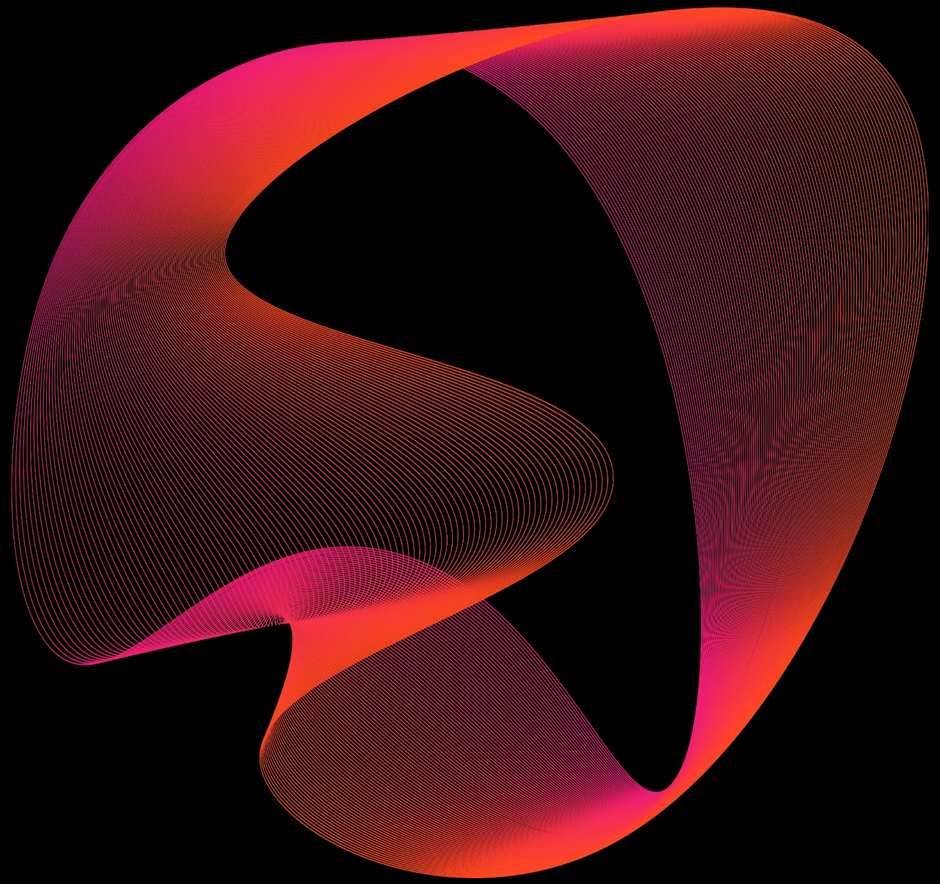
Code Signing

Agenda



- Cybersecurity Context
- Example of use cases
- Technical overview
- Recommendations
- Takeaways

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Code Signing

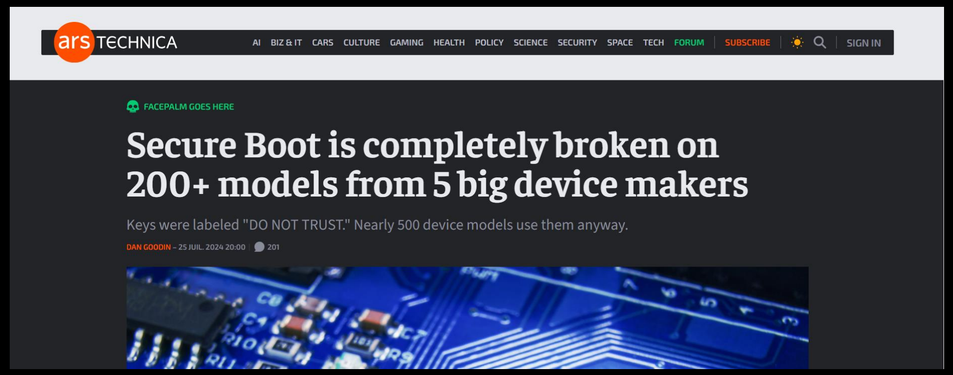
Cyber (in)security context

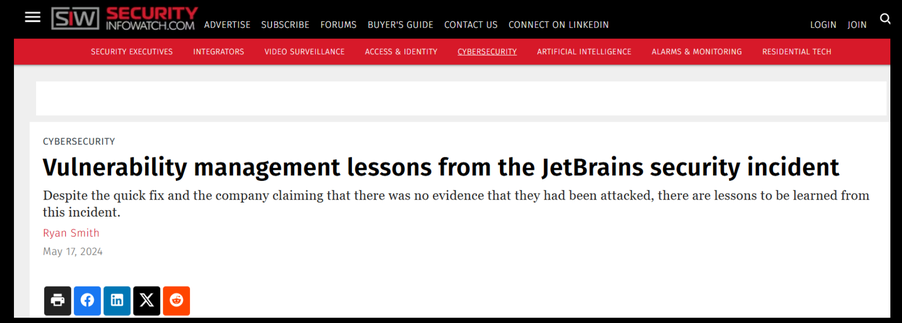
- Cyber attacks have risen dramatically

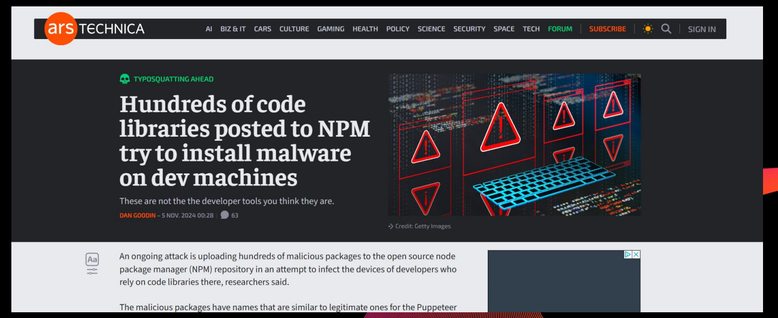
“Global critical infrastructure faced over 420 million cyberattacks, averaging approximately 13 attacks per second”[1]

61% of US Business affected by SLDC attacks between 2022 and 2023 [2]

Solarwinds attack cost affected companies on average **11% of their annual revenue**[3]







- Software is <u>also</u> a sovereignty issue
  - Public/private vital/important entites are exposed
  - Europe is moving forward : CRA, NIS-2, eIDAS

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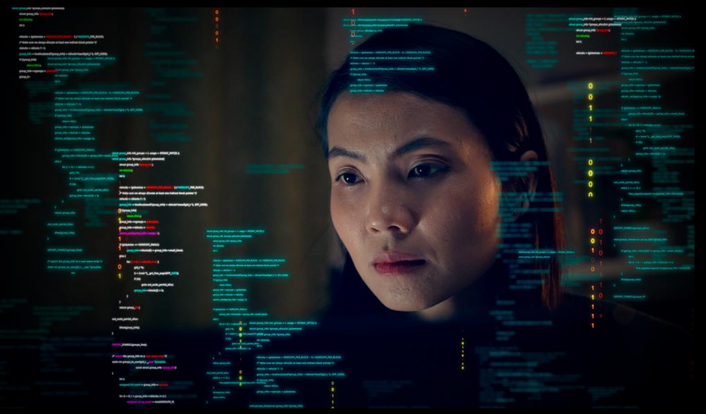
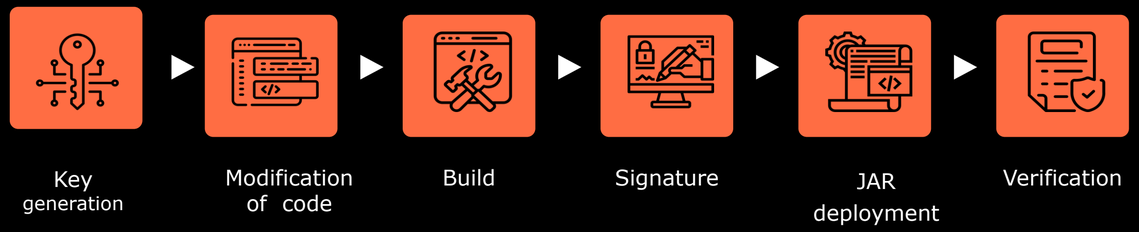
Code Signing

Typical use cases

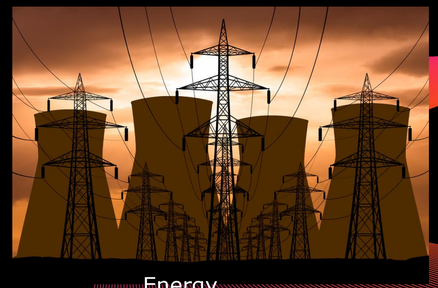
S/W Developpment Lifecycle & Supply Chain

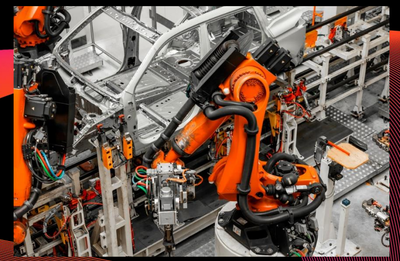




Update/upgrade of embedded S/W

Transport


Energy


Production

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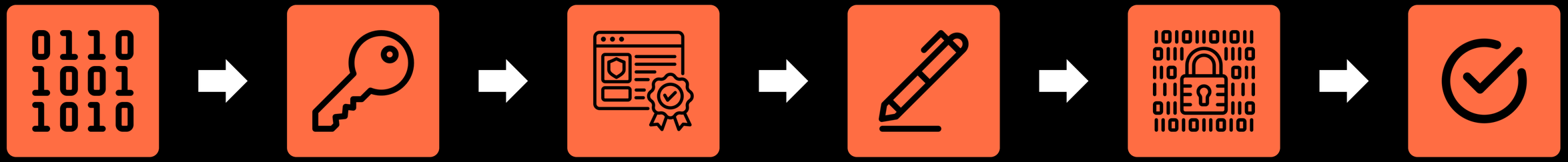
Basics – Digital Signature Process



Code signing seals cryptographically the content to guarantee integrity and authenticity

Code Signing

Important subjects to focus on

Convenience

Integration into S/W Development Lifecyle (SDLC)

Audit and Traceability

Secure Signature Process

Central Key Management

Compliance

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Code Signing

Comparison of implementations

	Software	HW Token	HW Token & processes	Server Platform
Convenience	✓	✗	✗	✓
Integrated to SDLC	✗	✗	✗	✓
Audit & Traceability	✗	✗	✓	✓
Secure Signature Process	✗	✓	✓	✓
Central Key Management	✗	✗	✗	✓
Compliance	✗	✗	✓	✓

Code Signing

Take aways

- Essential Security Best Practise
- Guarantees S/W authenticity & integrity
- Secures S/W supply chain
- Protects critical infrastructure
- Not *what*, but *how* !
- EU Frameworks (CRA, NIS 2, eIDAS)

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Questions

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TAKE A MINUTE AND GIVE US FEEDBACK