Trustworthy Infrastructure for PDM

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Trust Infrastructure

Trust in the Trust Infrastructures
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- Cryptanalysis
- Backdoors
- Vulnerabilities
- Cloudware

Cryptography

- Software
- Public Key Infrastructures
- Hardware
- Trojan Horses
- Espionage
- Cyberattacks
Digital Sovereignty – Version 1

- Idea: Rely on national or regional IT and trust infrastructures
- No increase in security and privacy per se
- Economically not feasible
  - Lack of national resources
  - Global markets
  - Global supply chains
- Socially not practical
  - Global citizens
  - Global workforce
Openly developed and validated global standards

Security and privacy by design
- Processes and automation tools
- Standards, metrics, mandates

Open, trustworthy validation of any SW/HW and cloud service
- Detect Trojan Horses in HW/SW/CW
- Start with public procurement
- Requires standards, tools and ... research