

# connect24

***Identity:  
Evolution or Extinction?***

**ID**machines

**LEGIC**

  
**Surveillance Trust**  
SURVEILLANCE STANDARDS & REGISTRY

# Upheaval Underway!

MOORE'S LAW

PRIVACY AND SECURITY REGULATIONS AND STANDARDS

ZERO TRUST AND ZERO KNOWLEDGE

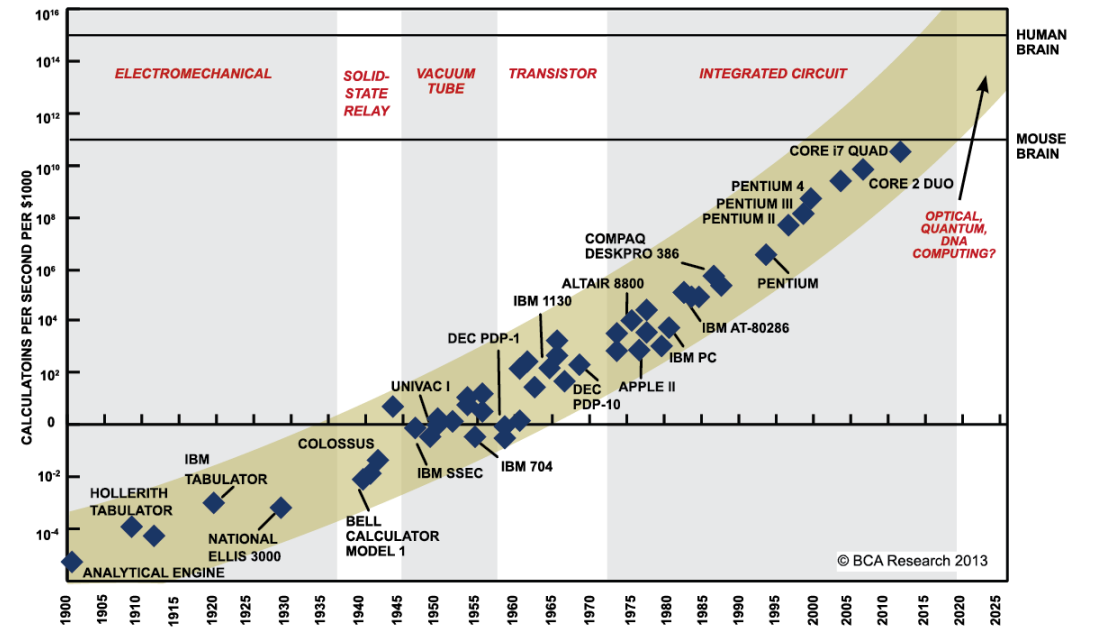
POST QUANTUM CRYPTO

GENERATIVE AI

DECENTRALIZED IDENTITY AND IDENTIFIERS

# Moore's Law

- Not slowing down, in fact, the opposite
- At the edge and in the cloud
- = nuclear proliferation?



SOURCE: RAY KURZWEIL, "THE SINGULARITY IS NEAR: WHEN HUMANS TRANSCEND BIOLOGY", P.67, THE VIKING PRESS, 2006. DATAPPOINTS BETWEEN 2000 AND 2012 REPRESENT BCA ESTIMATES.

# Privacy and Security Frameworks and Regulations

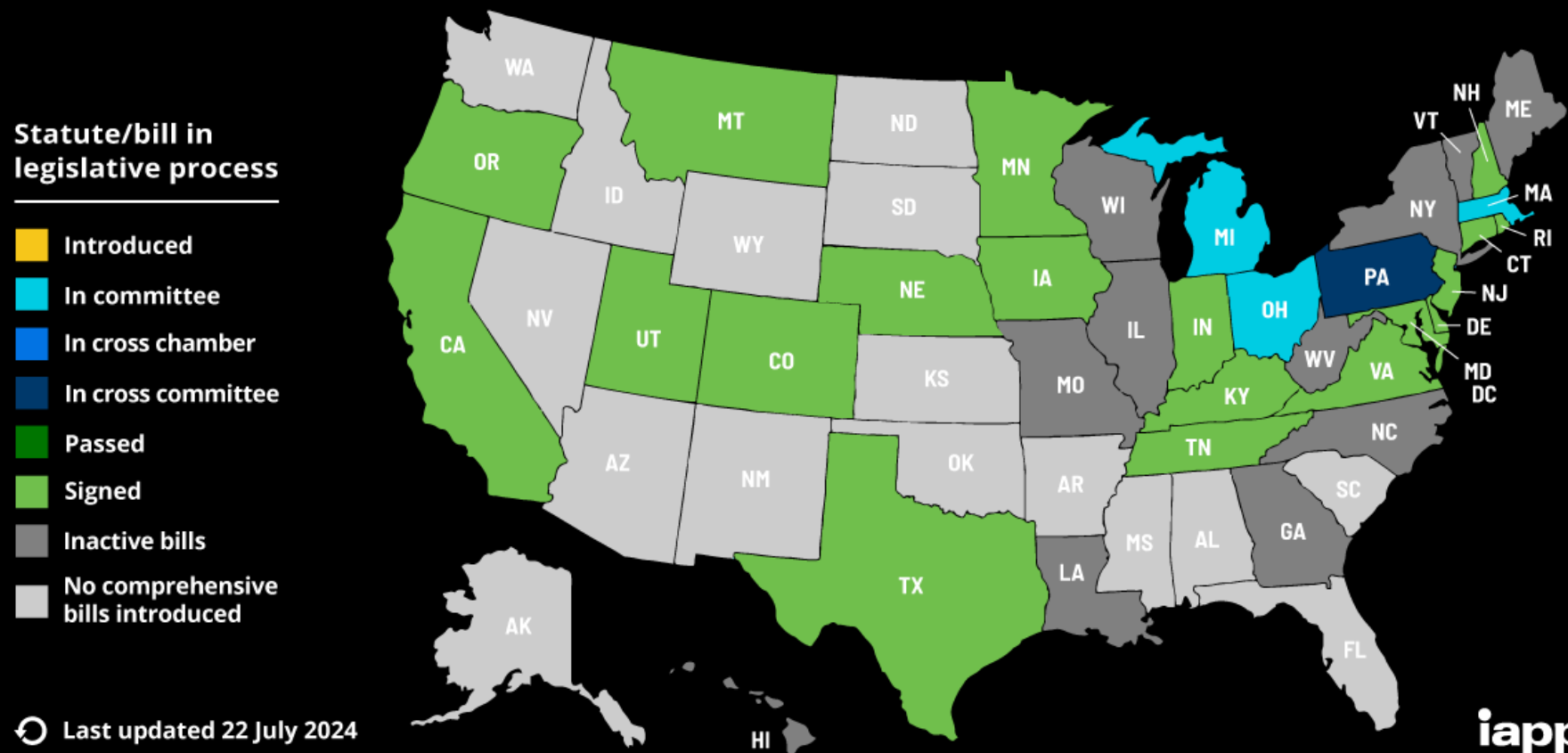
Privacy and consent by default

Security through transparency

Codes of Conduct (and “Practice”)

- [CoE 108+](#) (2.5 Billion people)
- [GDPR](#)
- [US Privacy Laws](#)
- Complicated!

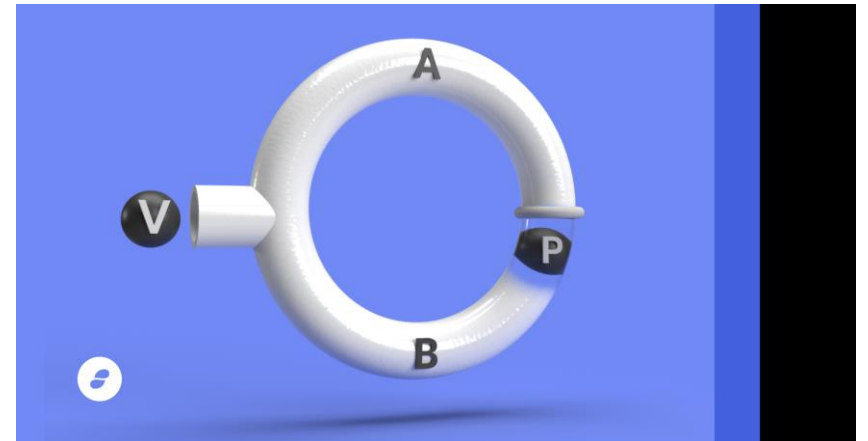
## US State Privacy Legislation Tracker 2024



# Zero!

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- Zero Trust (Architecture)
  - Result of current state of affairs
  - Waving a white flag
  - Unfortunately, in one direction
    - I know who I am, but who am I dealing with....
- Zero Knowledge (Proofs)
  - Authenticating privilege not individuals
  - Identifiers are not tied/traceable to people (PII Principals)



# Post-Quantum

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- Already here?
  - Commercially available?
- AES ok, but the rest?
- Moore's Law working here too!
- [Guidance and Standards](#)
  - **CRYSTALS-Dilithium**
  - **CRYSTALS-KYBER**
  - **SPHINCS<sup>+</sup>**





# Generative AI

- v1.5 maybe...
- Generative
  - Extractive!
  - By whom and to whose benefit?
- Near zero explainability
- Unknown risks
- Insufficient notice of risk



# Decentralized Identity



Another v1.0 ... maybe a little better

[W3C Standards](#)

Distributed and decentralized

- Policy is distributed
- Actions are decentralized

Real challenges when it comes to trust!

Transparency is critical

Thanks!  
Vielen Dank!  
Merci!  
Gracias!  
Grazie!  
谢谢

شكرا

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