

Welcome



LA PRIVACY & CYBERSECURITY SYMPOSIUM

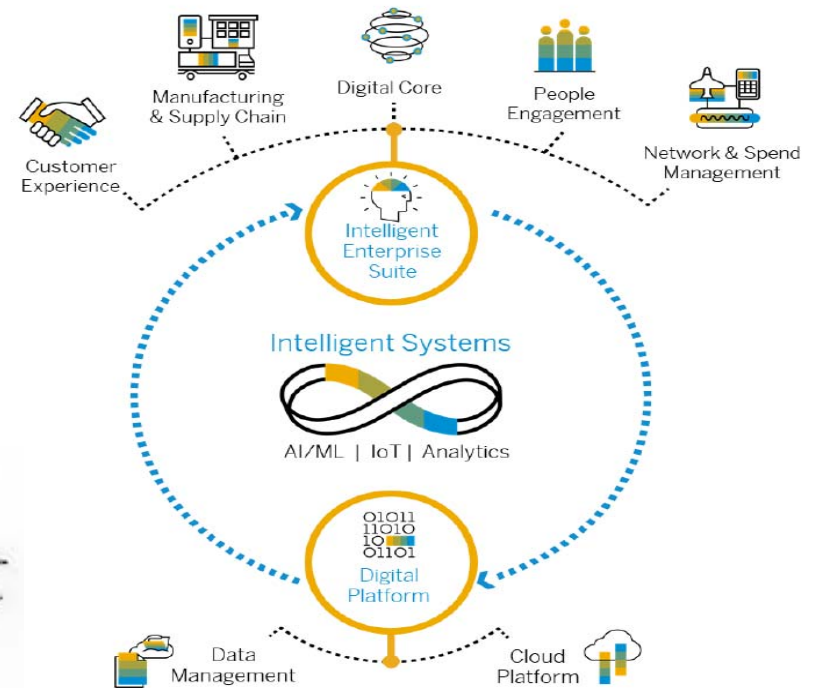
Privacy Contractual Challenges on Software by Design

Presented by

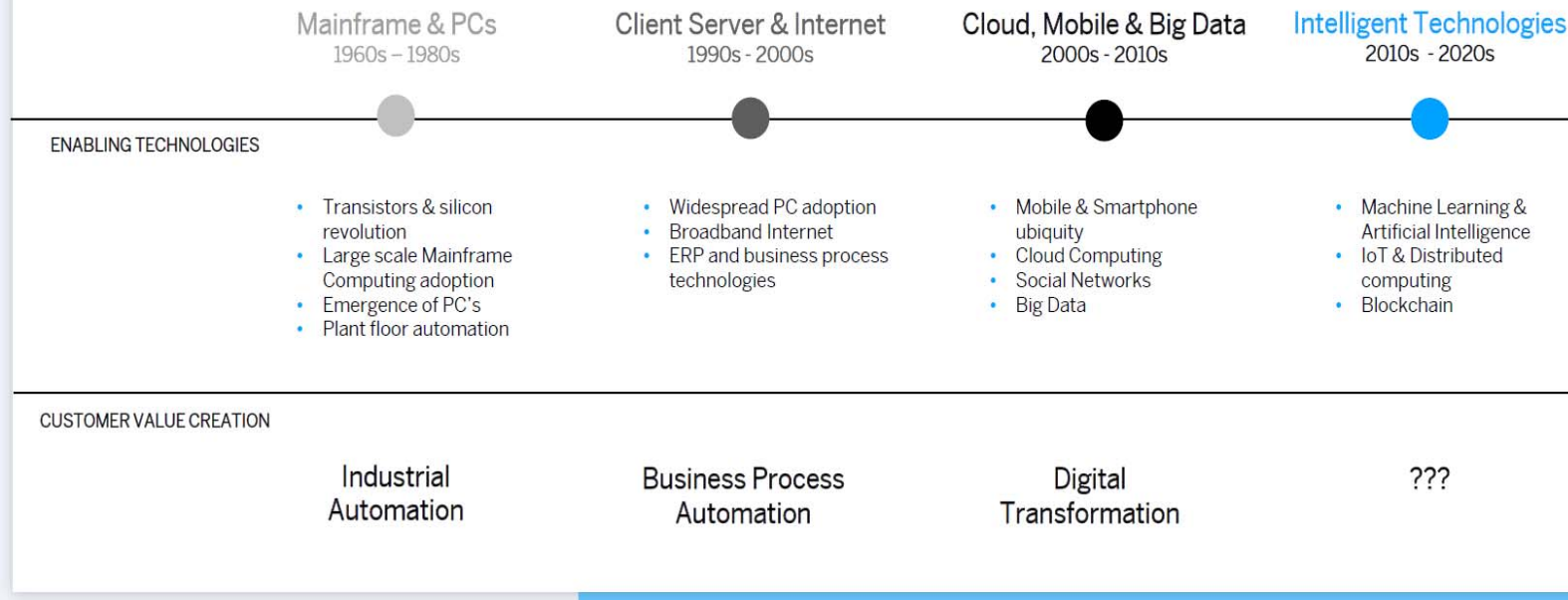
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DIGITAL EVOLUTION



THE DIGITAL ERA IS EVOLVING INTO THE INTELLIGENCE ERA



CHALLENGES ON SOFTWARE BY DESIGN



CHALLENGES ON SOFTWARE BY DESIGN

- Technology constantly changes
- Data is like water: it flows and ripples in ways that are difficult to predict¹
- Managing personal data means optimizing its strategic use, quality, and long-term availability



CHALLENGES ON SOFTWARE BY DESIGN



GUIDING QUESTIONS FOR YOUR ORGANIZATION'S INTELLIGENT EVOLUTION

- What are the biggest security challenges in your threat model?
- How deeply are security considerations embedded in your systems and processes?
- What is your strategy to address new privacy regulations (e.g., GDPR and country-specific regulations)?
- How well are your apps integrated into your current security platform?
- What are the applicable laws/regulations? (are there any?)



CHALLENGES ON SOFTWARE BY DESIGN

TECHNOLOGY ENABLERS

- Cybersecurity embedded in application design
- Data protection & privacy focus

CUSTOMER BENEFITS

- Mitigation of unprecedented threats driven by the exploding volume and value of on-premises and online data
- Built-in security awareness and capabilities to protect applications and data beyond simply a firewall
- Increased compliance with the latest data privacy regulations (e.g. GDPR)

3.5tb

In 2017, SAP Security collected and analyzed over 3.5 terabytes of log each day on behalf of its customers

Security by Default

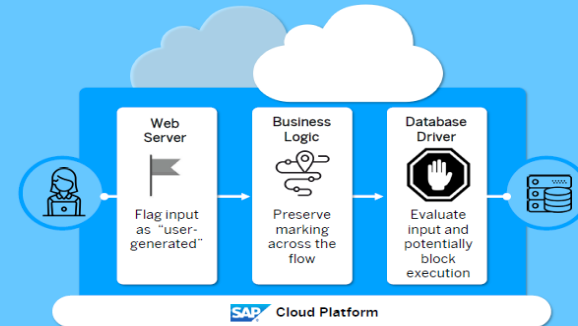
Definition
Security is top of mind and embedded within our systems from inception. We will build the latest cybersecurity standards and regional compliance considerations into our software.

Fast Fact
The annual cost of cybercrime is \$500bn, almost as much as the global cost of narcotic crime.²

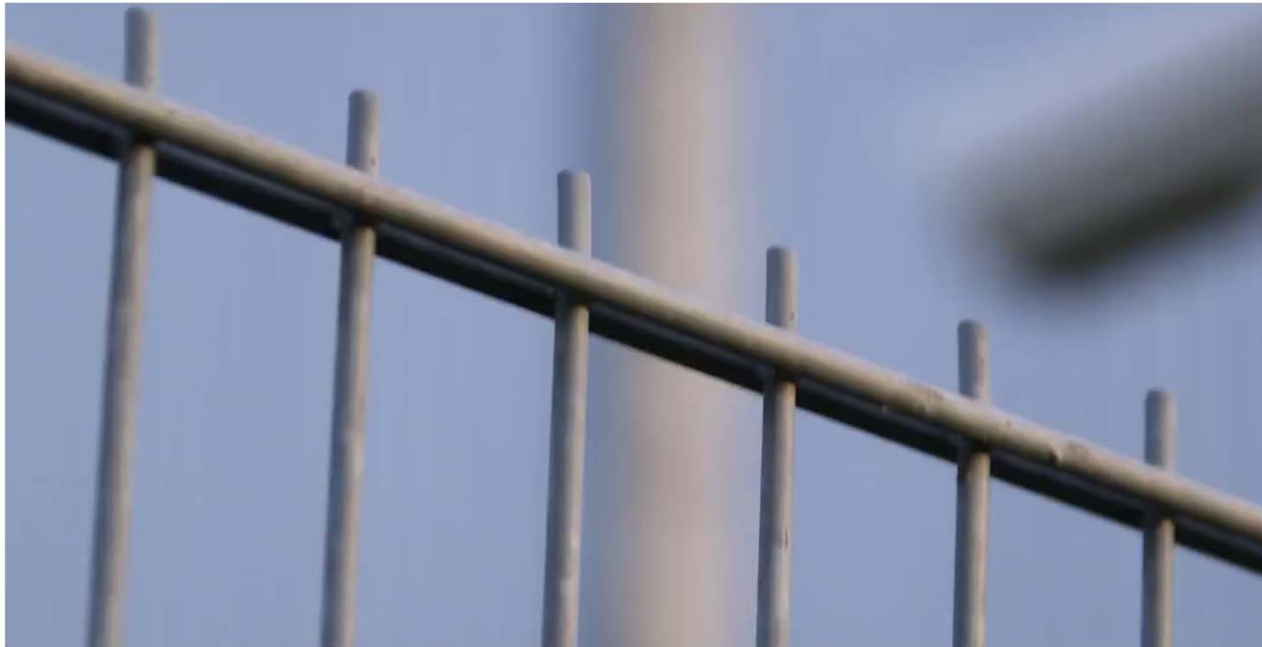
CASE IN POINT

SAP is deploying "Runtime Application Self Protection," to enable apps to self-defend against the most common application attacks in real-time.

- Input is marked as suspect and evaluated prior to execution
- Protects SAP, customer, and partner applications, as well as open source components
- Additional defense layer beyond secure coding practices, requiring minimal effort from business logic developers



SAP'S DATA CENTERS – A SAFE PLACE FOR DATA



THANK YOU



SOURCES

- Sarah Spiekermann (sspieker@wu.ac.at) is the head of the Institute for Management Information Systems at the Vienna University of Economics and Business, Vienna, Austria.
- Zelnick, Brad, et al. Credit Suisse, 2017, https://research-doc.credit-suisse.com/docView?language=ENG&format=PDF&sourceid=em&document_id=1079780681&serialid=G6OoCtYpIZ7vHJ1E9iHlkWRn4b4YIBJK N5CTM9UC0%3D

