

Technologiebeiträge zu Sicherheit und Compliance im Business Web

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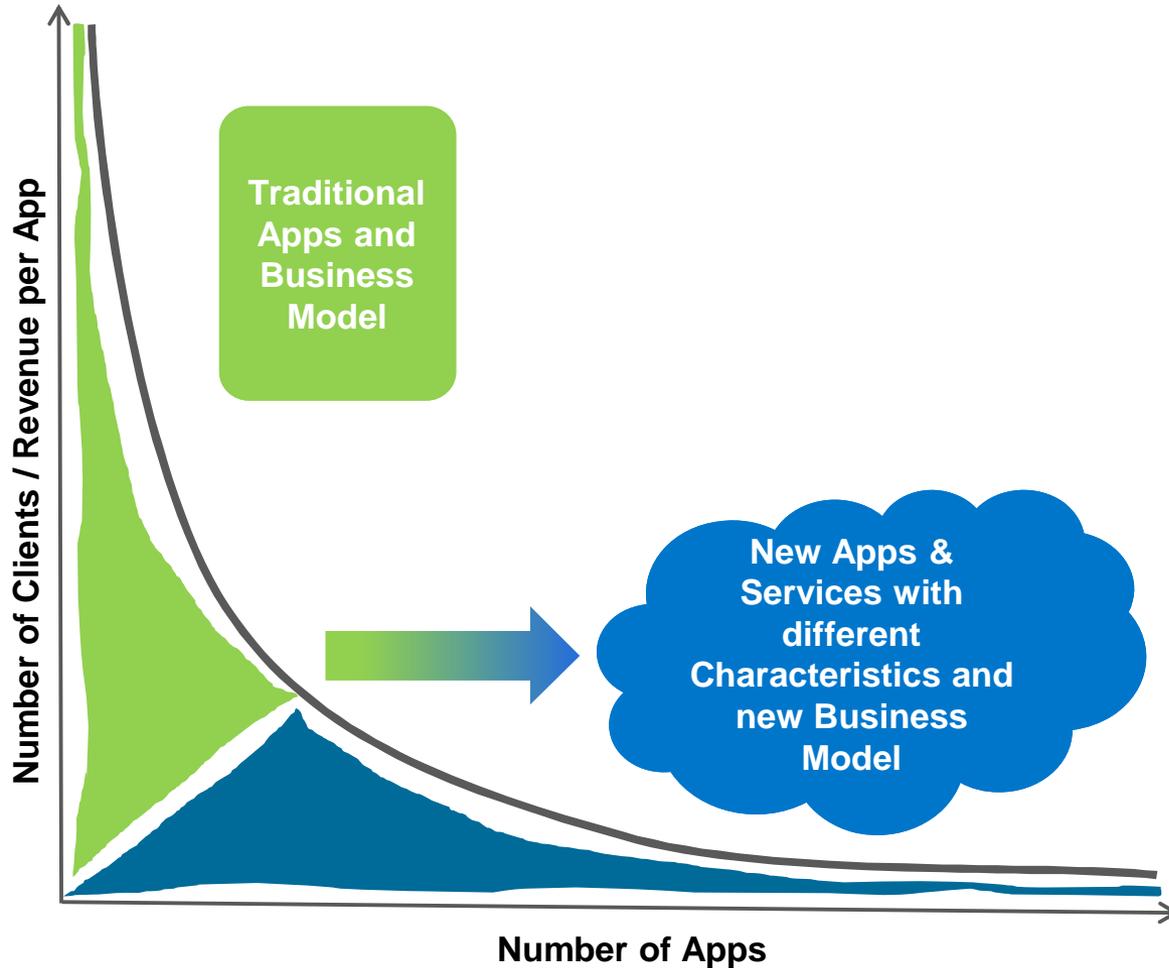


The Business Web

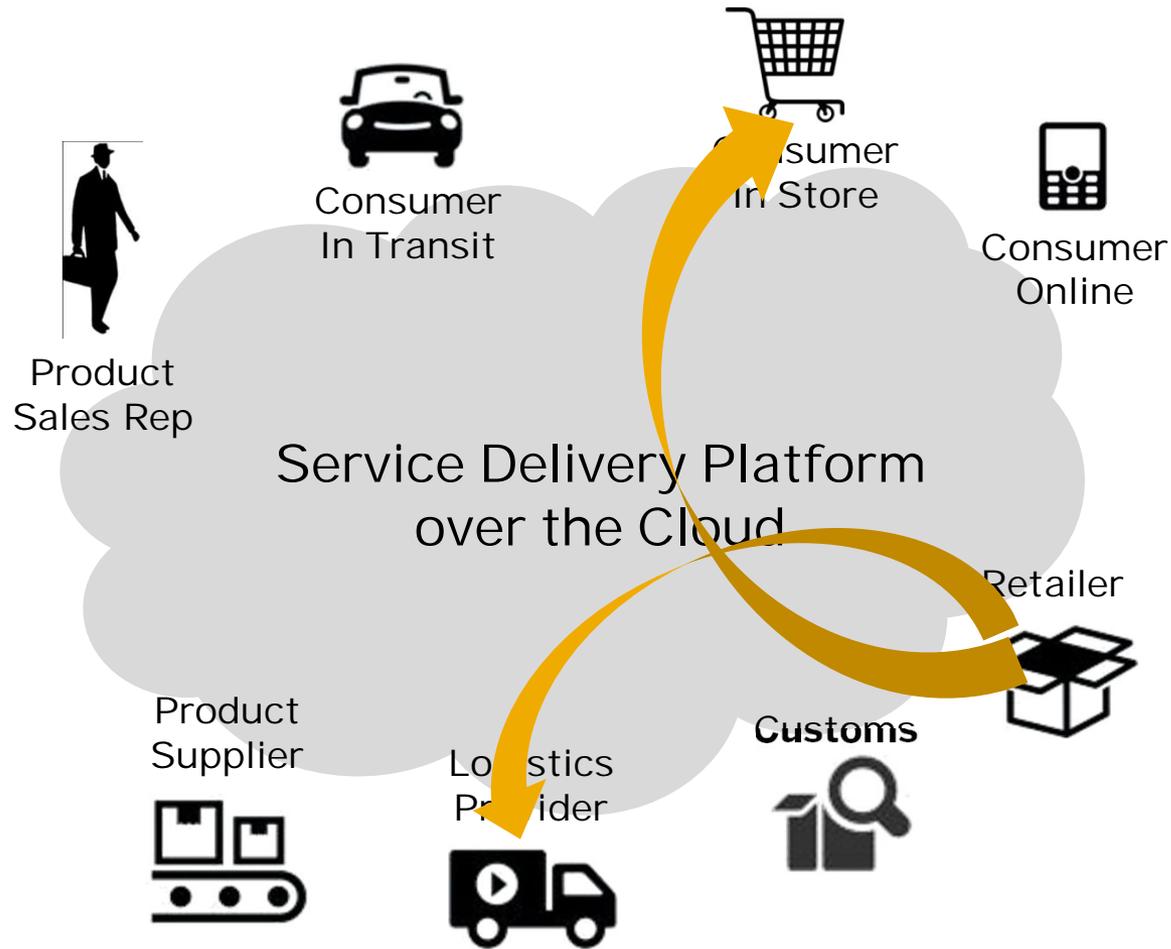
A New Platform to Support Service Driven
Business Ecosystems



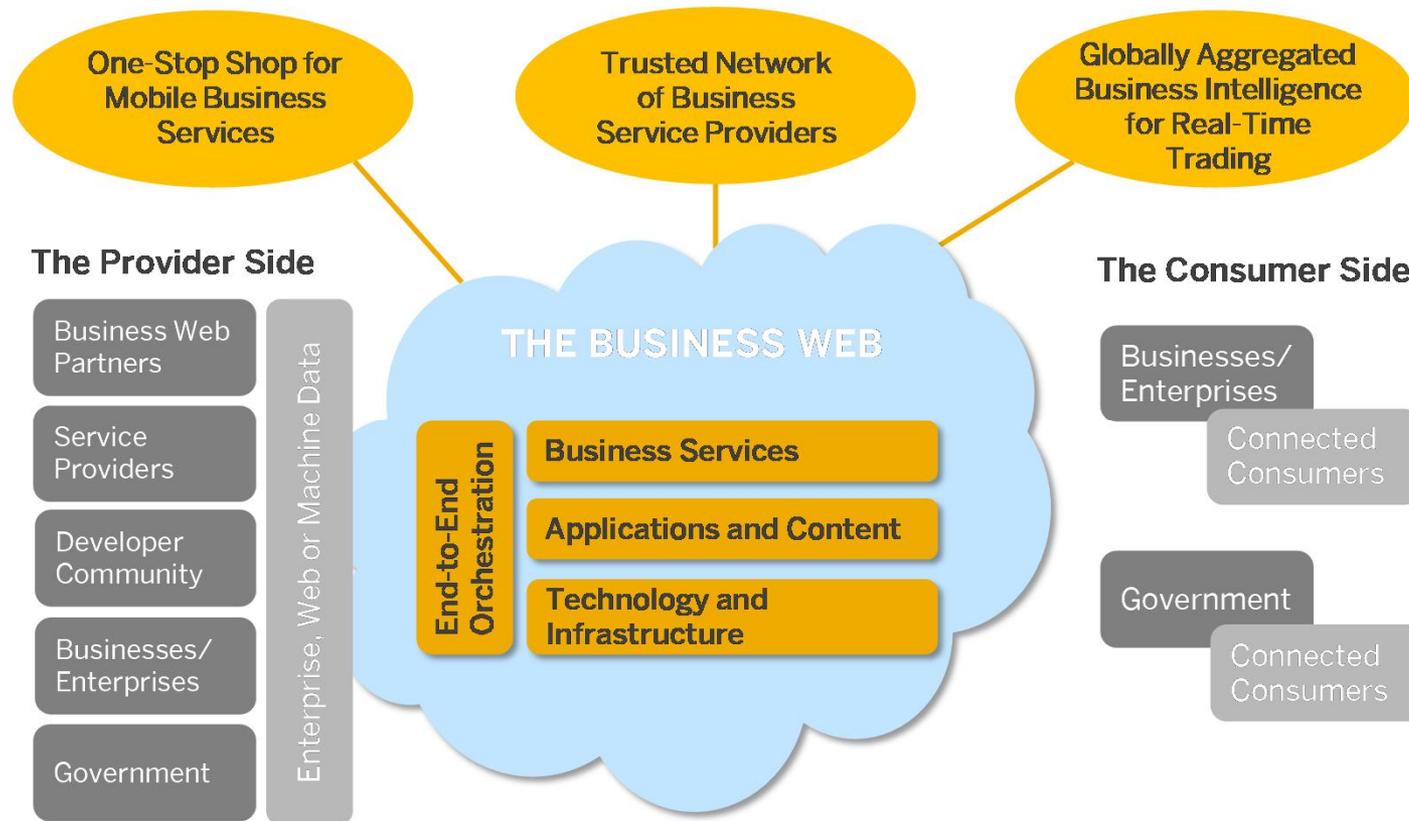
A Shift in the App / Service Market



Networked Business in the Internet of Services and the Cloud



The Business Web



Compliance Challenges for the Business Web



Compliance principles trade-off with Business Web Principles?

Compliance Principles

- **Control**
- **Transparency**
- **Auditability**
- **Responsibility**

Business Web Principles

- **(Limited) Trust**
- **Virtualisation**
- **Distribution**
- **Collaboration**
- **Exposure**
- **Flexibility**

Security and Compliance Characteristics of the Business Web

Sharing & Collaboration

Access Control → Usage Control

Data Owners' policies vs. data processors' policies

Limited Trust

- Assure Trustworthiness
- From local to global enforcement
- From system-centric view to data-centric view

Support Compliance through Technology Drivers:

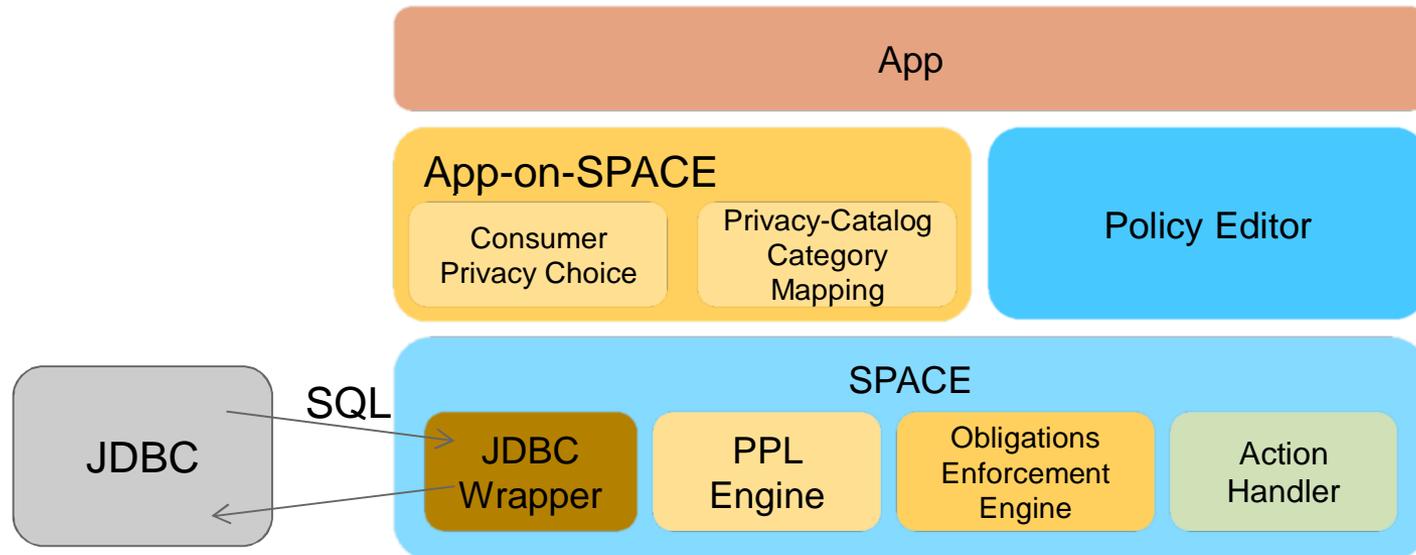
- How to impose control
- How to collaborate in limited trust environments

Technology Drivers for Compliance in the Business Web



Data-centric Security: Sticky Security and Privacy Policies Travel with Data and Keep the Data Owner in Control

Sticky Policy and Access Control Engine (SPACE) Architecture

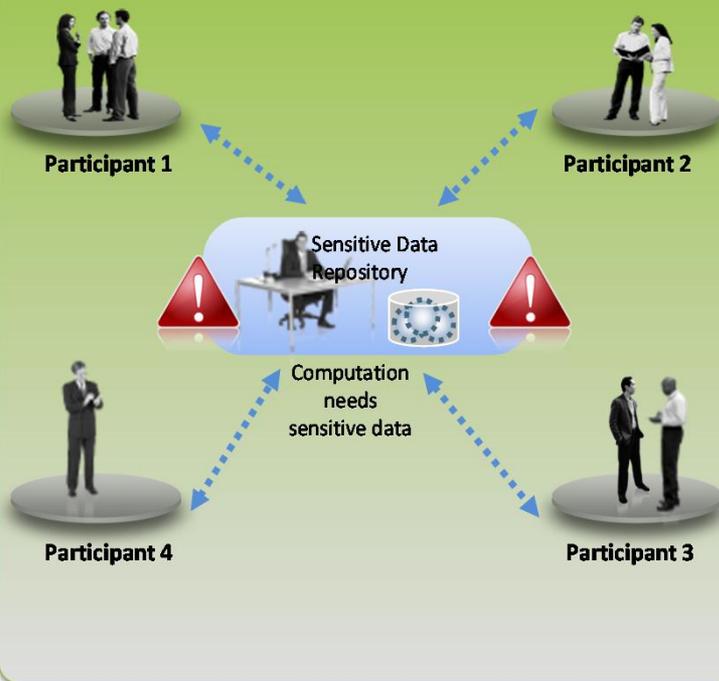


Limitation: Need to own / trust the platform provider

Privacy-Preserving Computing: Secure Benchmarking – Compute without Disclosing your Sensitive KPIs

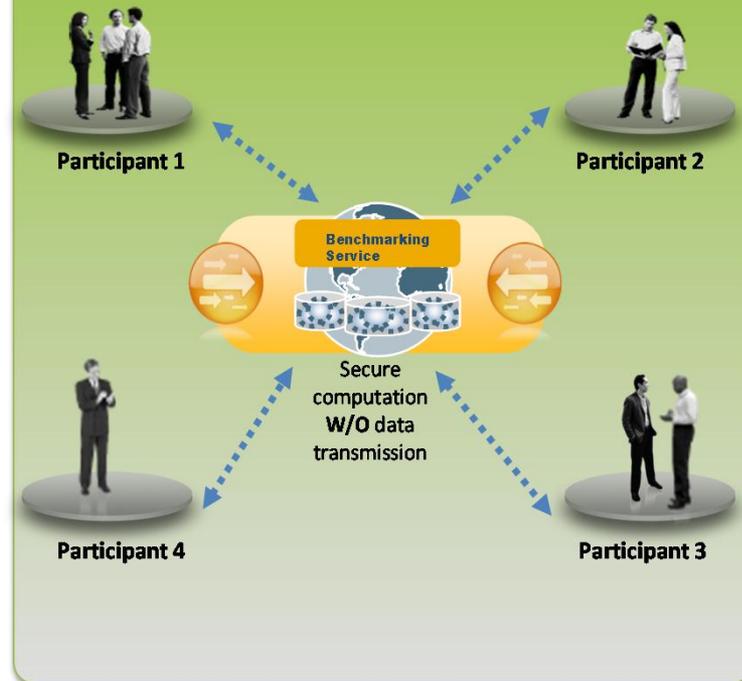
BENCHMARKING TODAY

- Sensitive KPI data required
- Manual, expensive processing

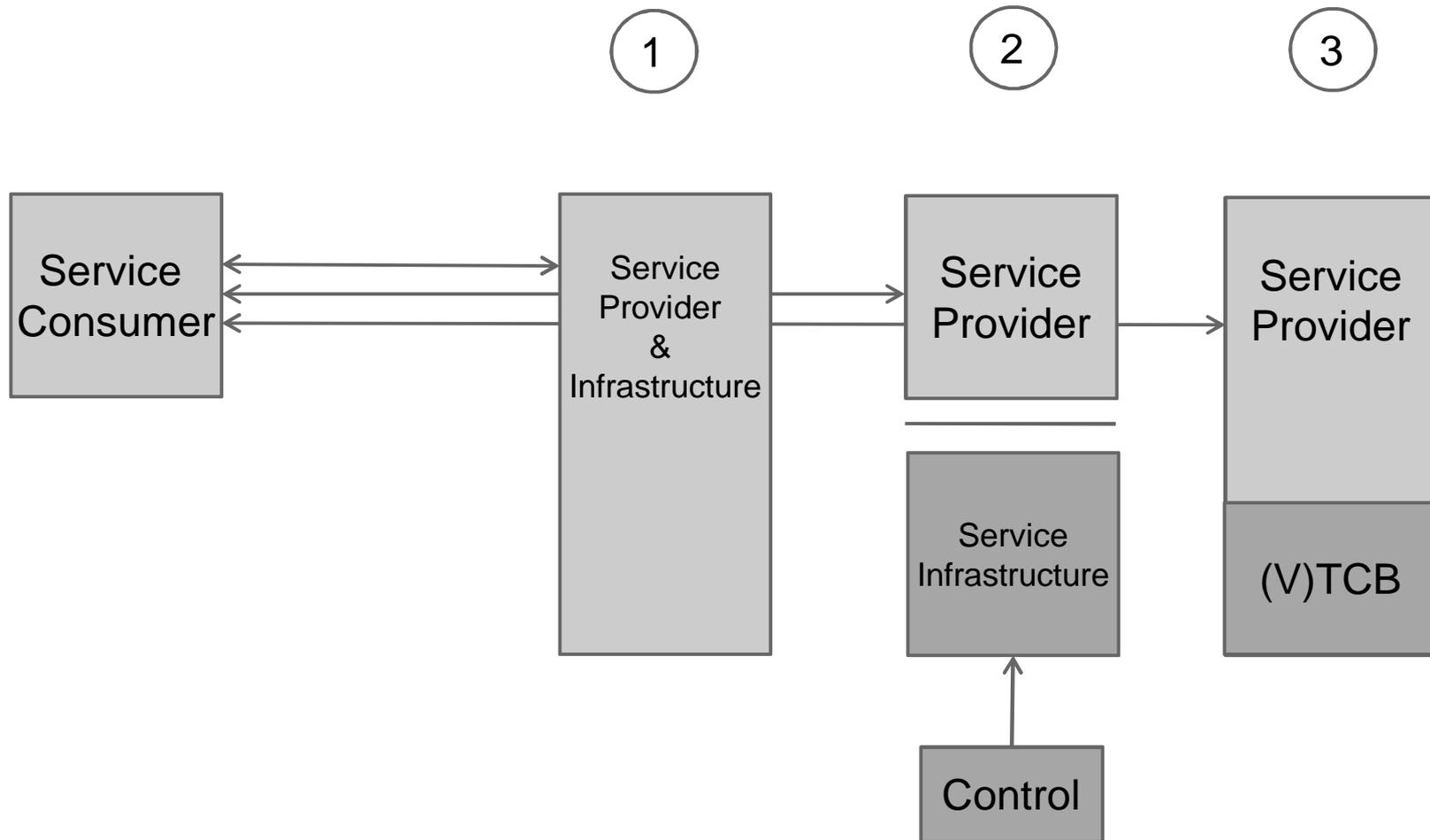


BENCHMARKING TOMORROW

- KPI data remains at customer
- Automated, timely results



Degree of Enforcement: Technical View





Thank You!