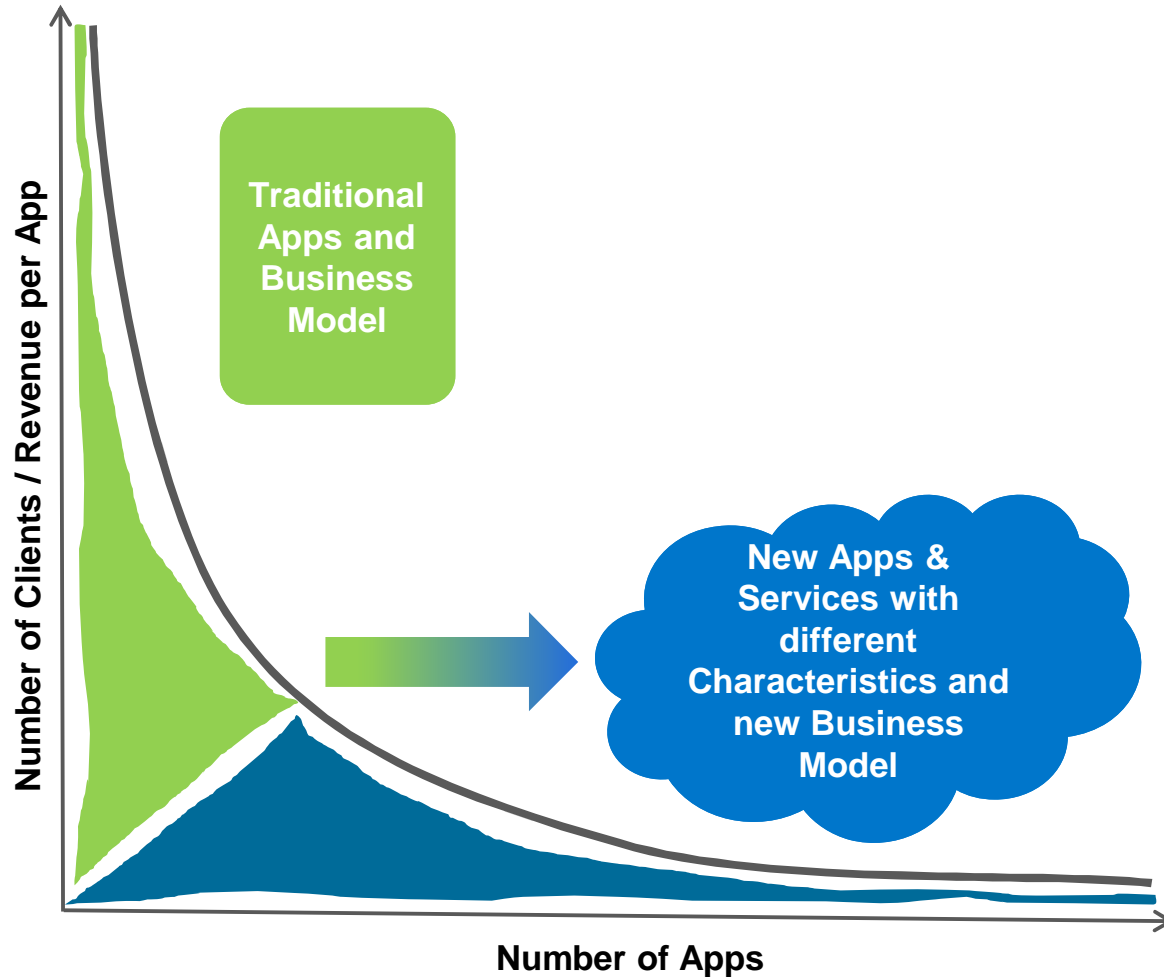


The Myths of PET – Can Usage Control be Enforced in the Cloud?

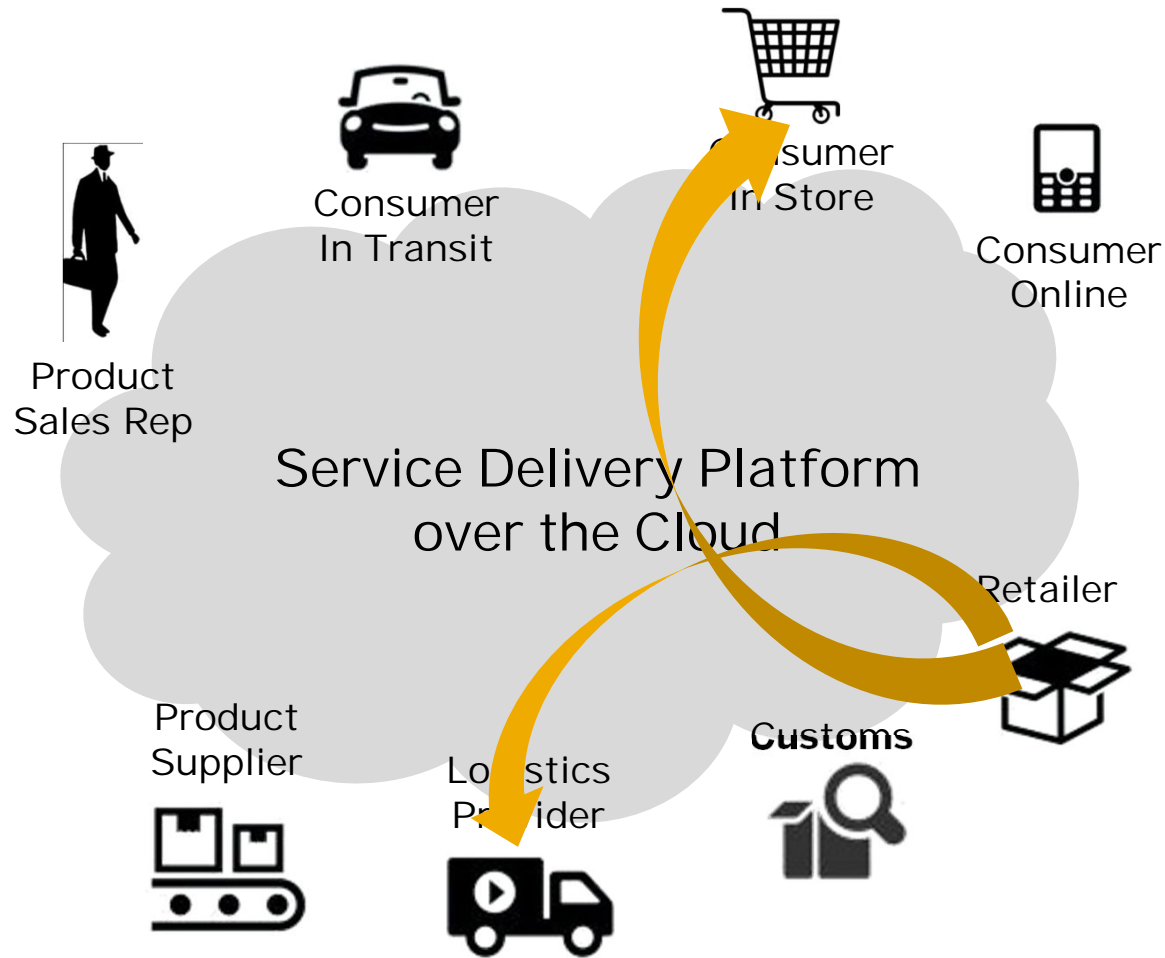
Volkmar Lotz
Practice Lead Security&Trust, SAP Research



A Shift in the App / Service Market



Networked Business in the Internet of Services and the Cloud



Security Characteristics of Networked Business over the Cloud

Deliberate exposure and sharing of data

Access Control complemented by Usage Control

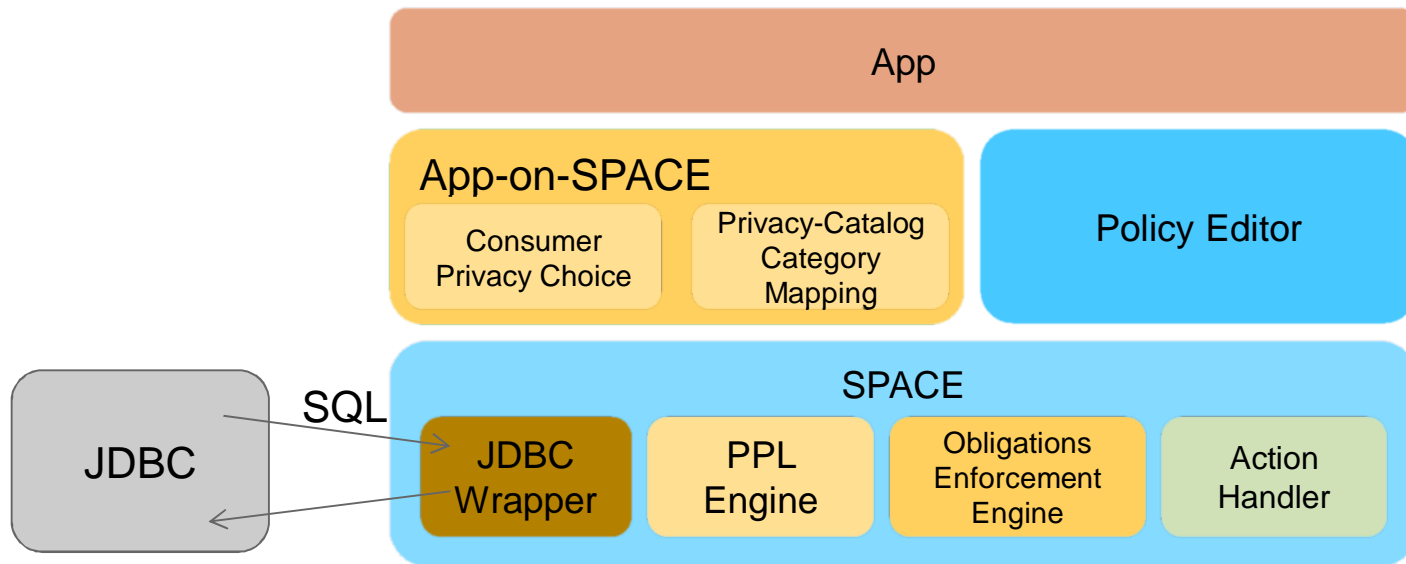
Data owners' policies vs. data processors' policies

Limited Trust

→ **From local to global enforcement**

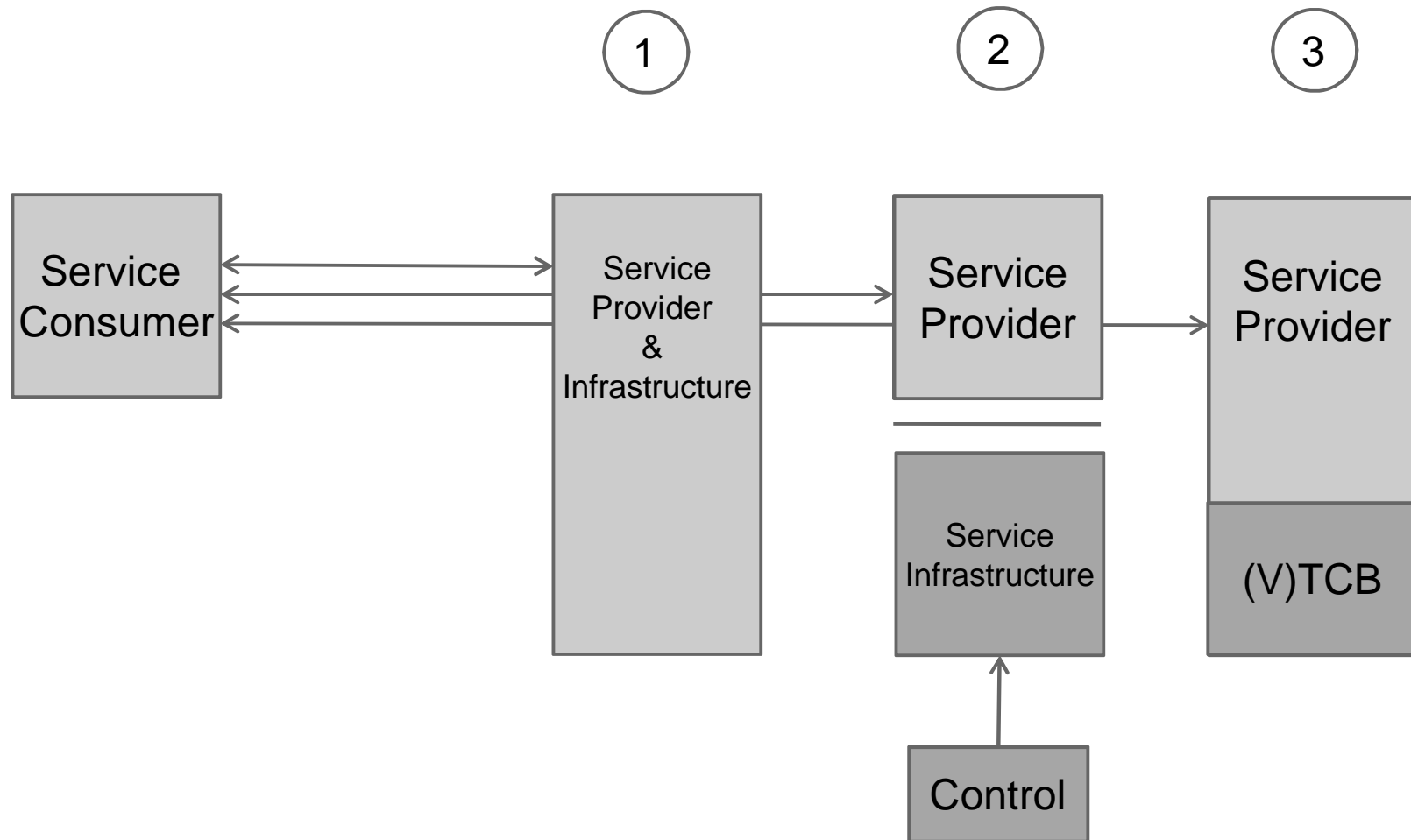
→ **From system-centric view to data-centric view**

SPACE Architecture



Limitation: Need to own / trust the platform provider

Degree of Enforcement: Technical View





Thank You!