

Different architectures for different business models?

A Security & Trust view

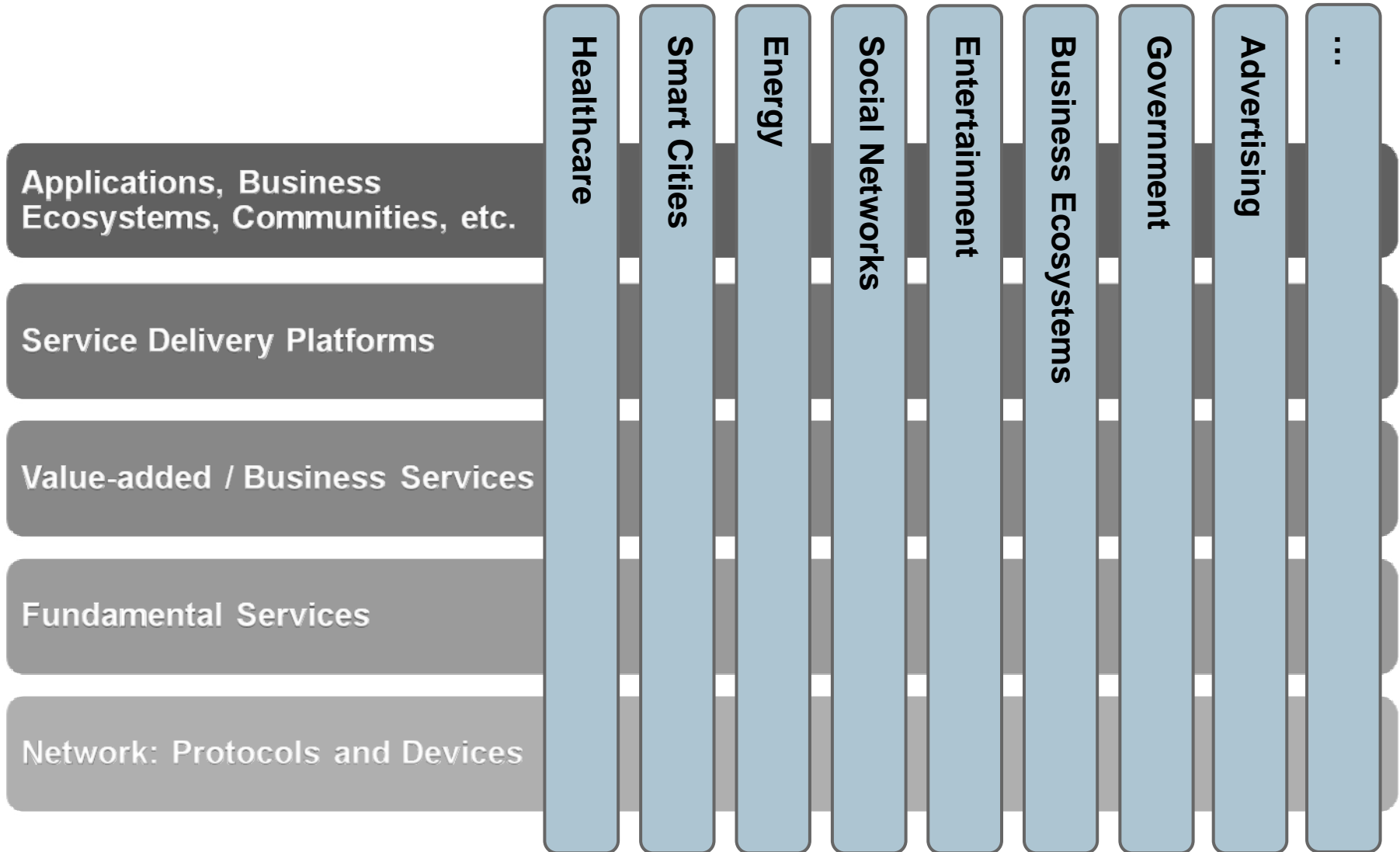
Volkmar Lotz
SAP Research

November 23rd, 2009

Butler Lampson in Nov. 2009 issue of CACM:

- Security is not about perfection
- “If you want security, you must be prepared for inconvenience” (words of General B. Chidlaw, 1954)
- Security is about economics

Future Internet Applications and Services are highly diverse



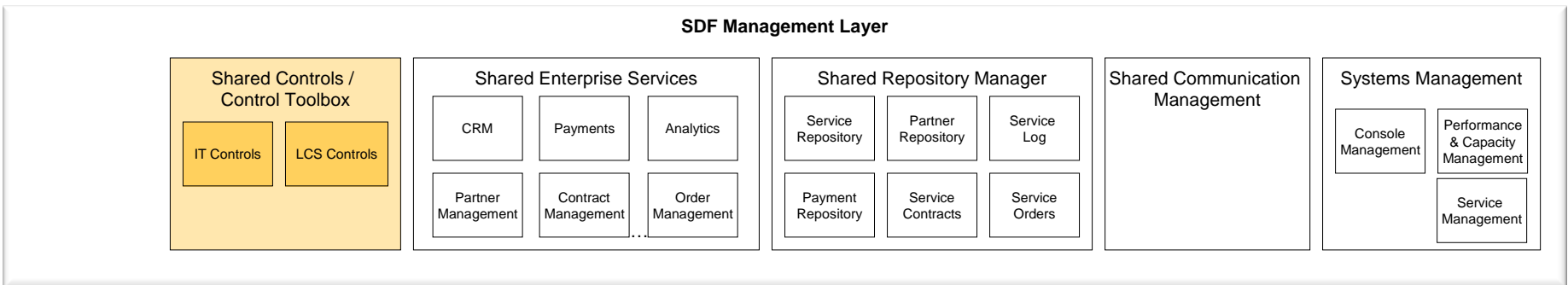
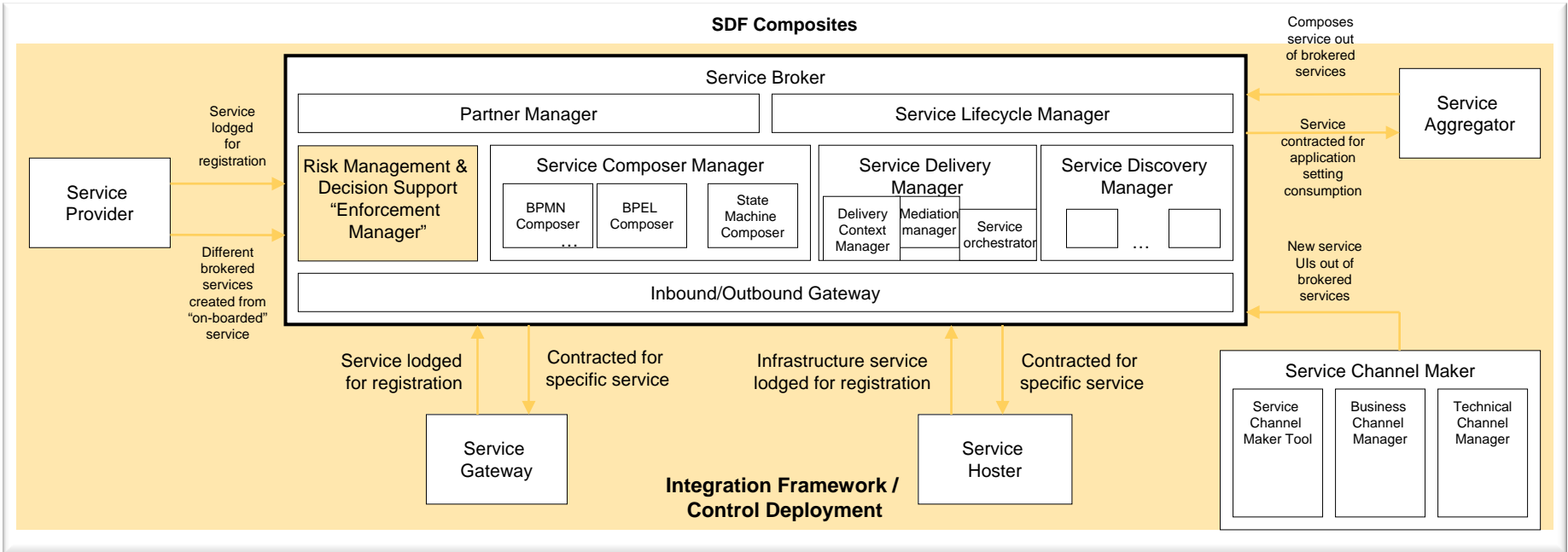
The FI is not expected to be generally secure and trusted (i.e., always and everywhere)

Different applications and stakeholders have differing protection needs

- Build trusted environments on-demand based on risk analysis and a toolbox of enforcement and control mechanisms
- The toolbox needs to serve different “deployment” models, taking ownership, trust relations and technology into account
- Controls, i.e., mechanisms that mitigate risk rather than eliminating it, are of specific importance (“incentives”)
- Security mechanisms and controls as well as guidance (e.g., risk analysis) and deployment support need to be available through all layers (“framework”)
- Design the architecture so that this model is supported (and, most important, usable)

→ We rather talk about different architectural instances than different architectures

Integration of controls in a service delivery framework



Scalability to Service Deployment Models in Case of Controls

