

# Different architectures for different business models?

## A Security & Trust view

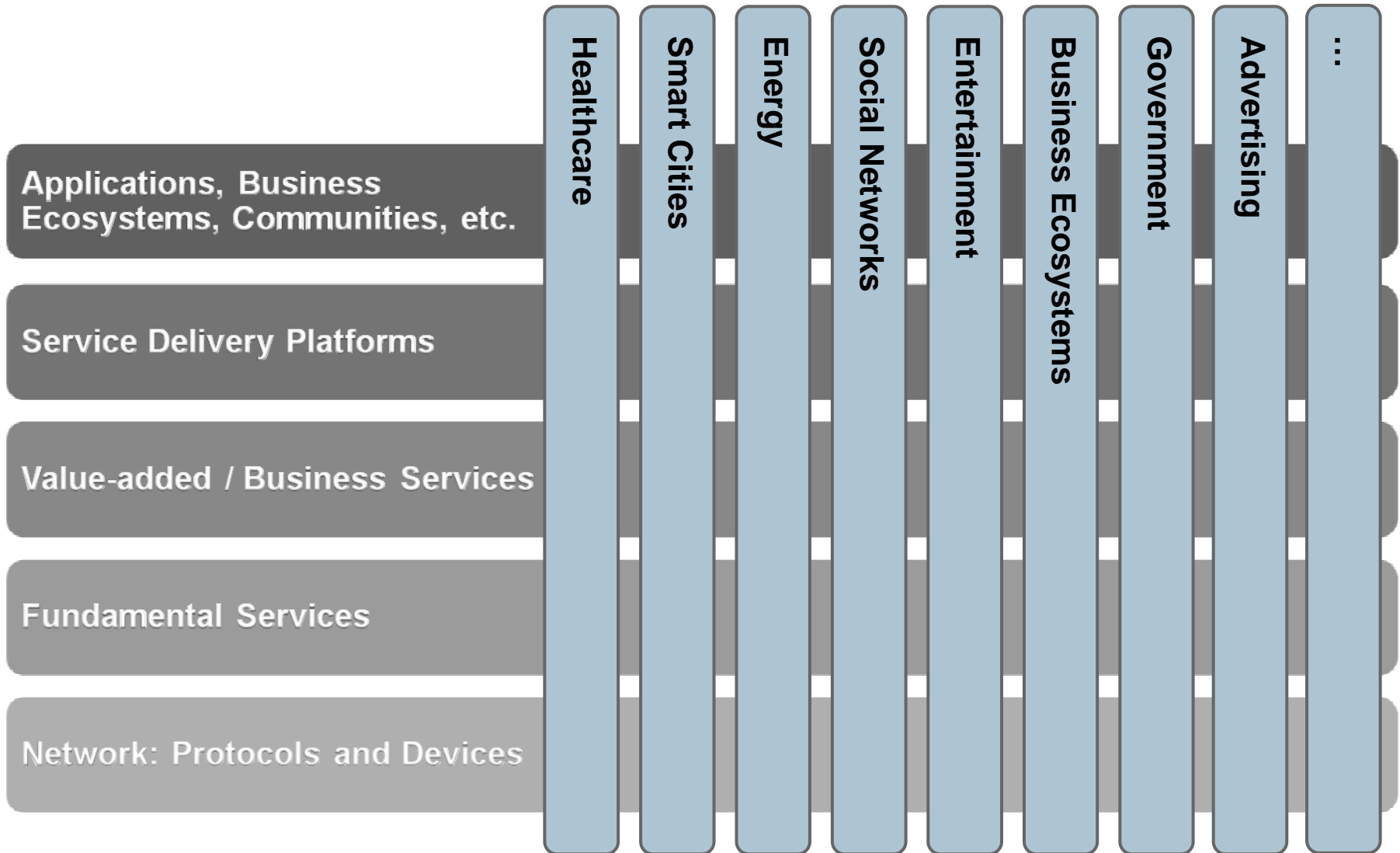
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SAP Research

November 23<sup>rd</sup>, 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



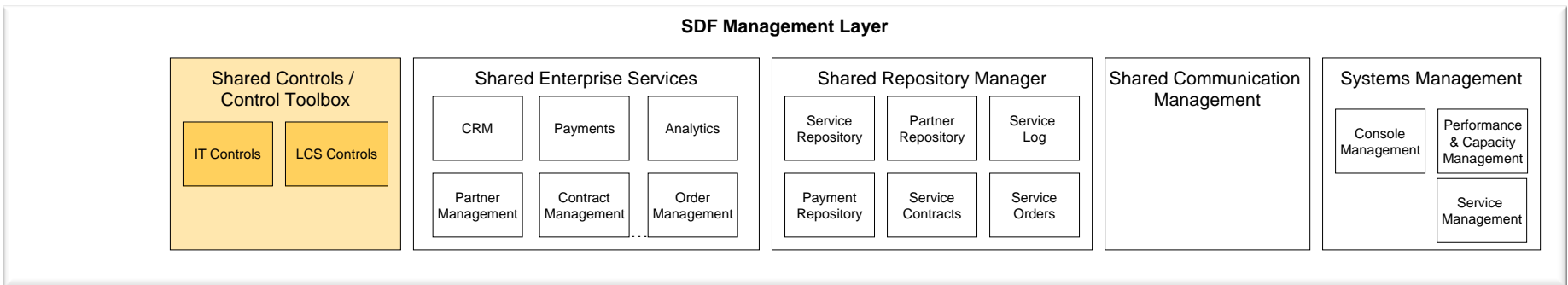
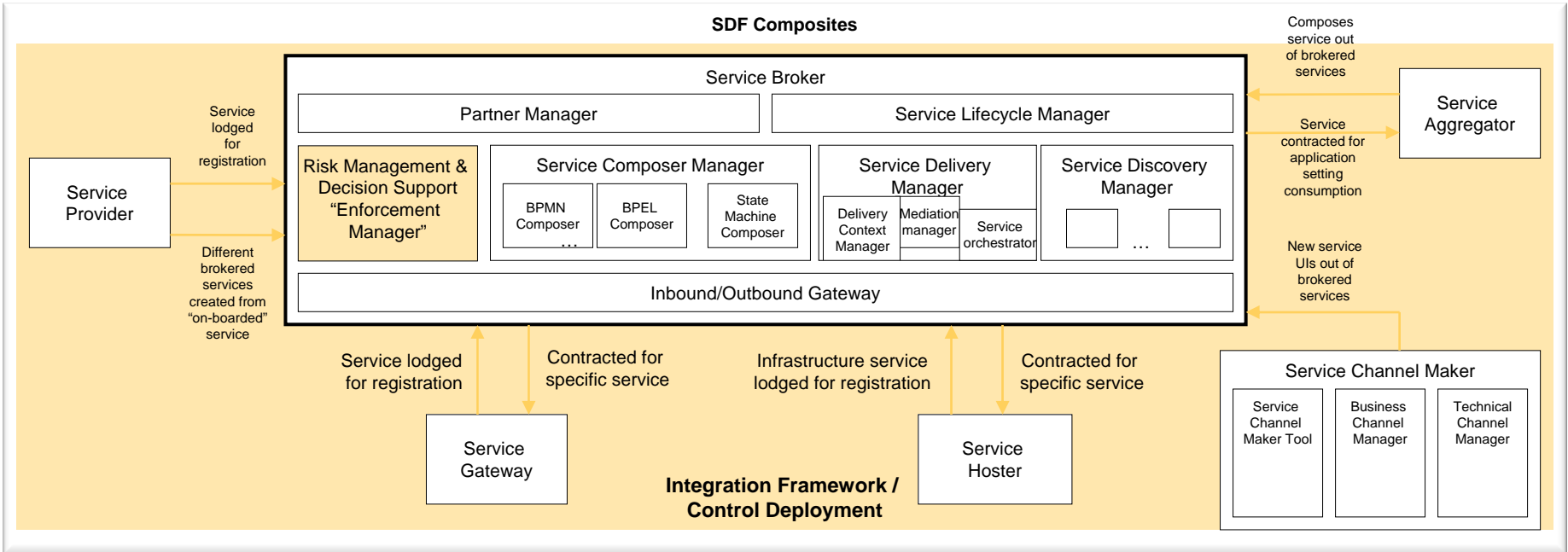
*The FI is not expected to be generally secure and trusted (i.e., always and everywhere)*

*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

