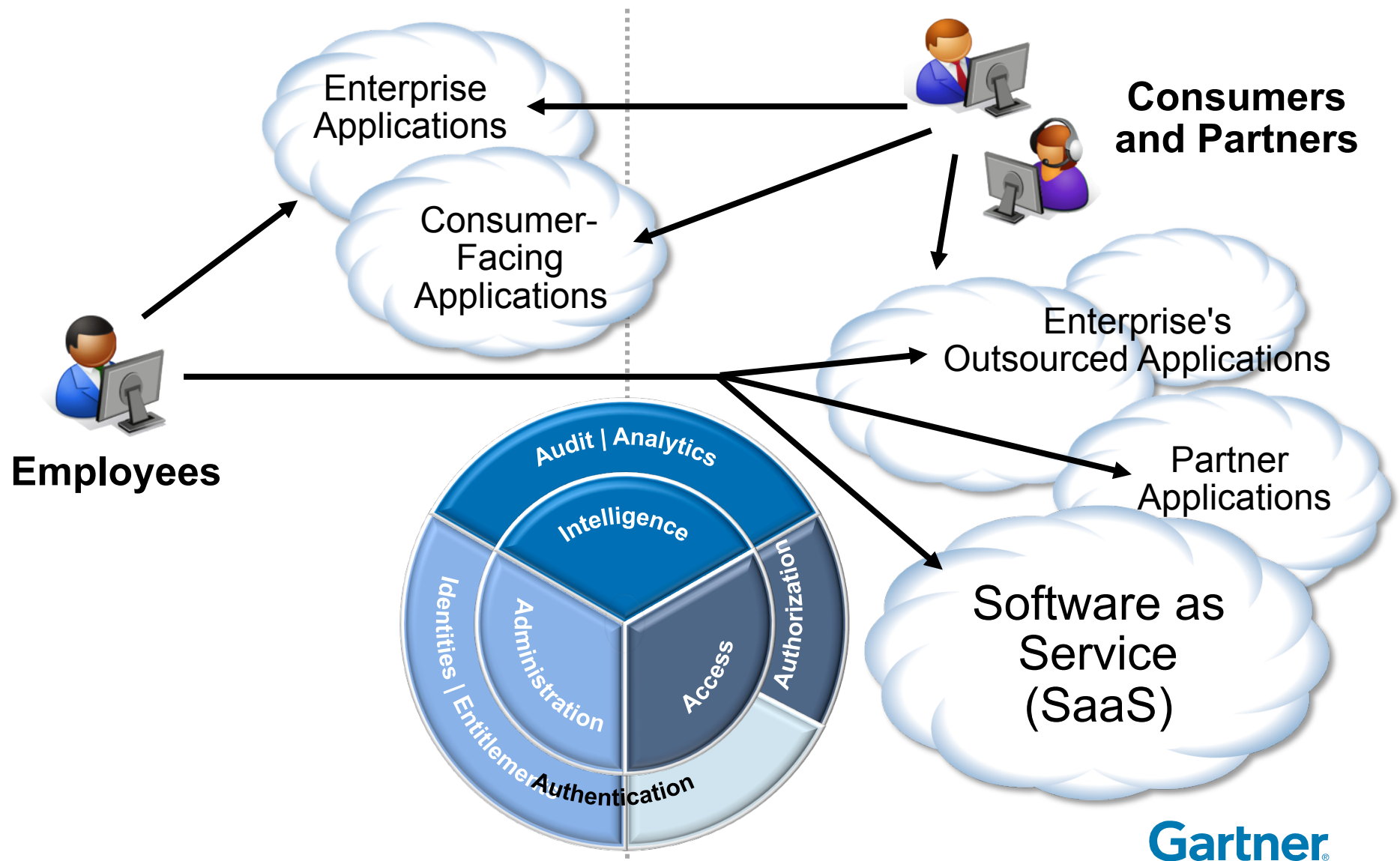


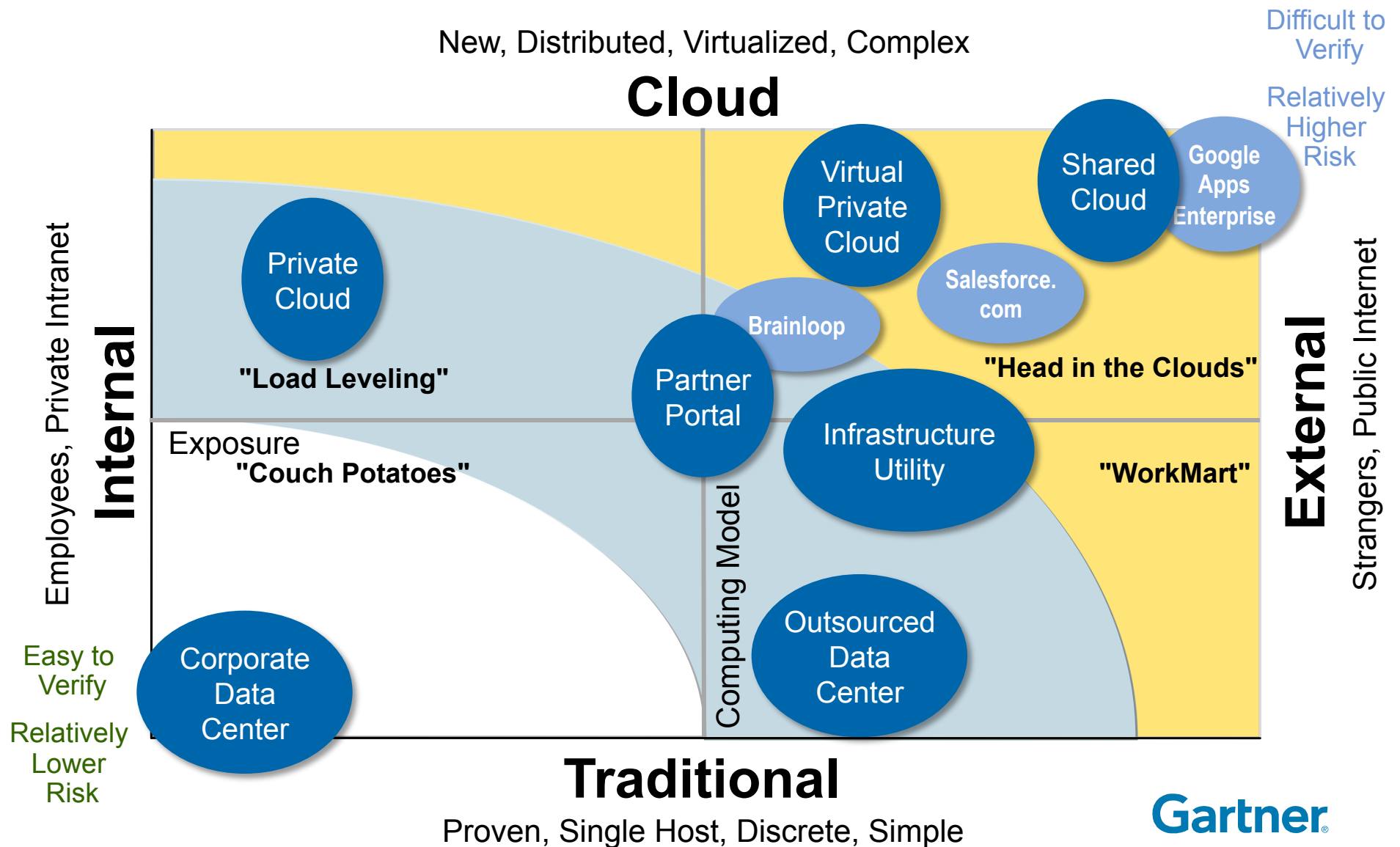
# Managing Identity in the Cloud

Kevin Kampman  
Research Director  
Identity and Privacy

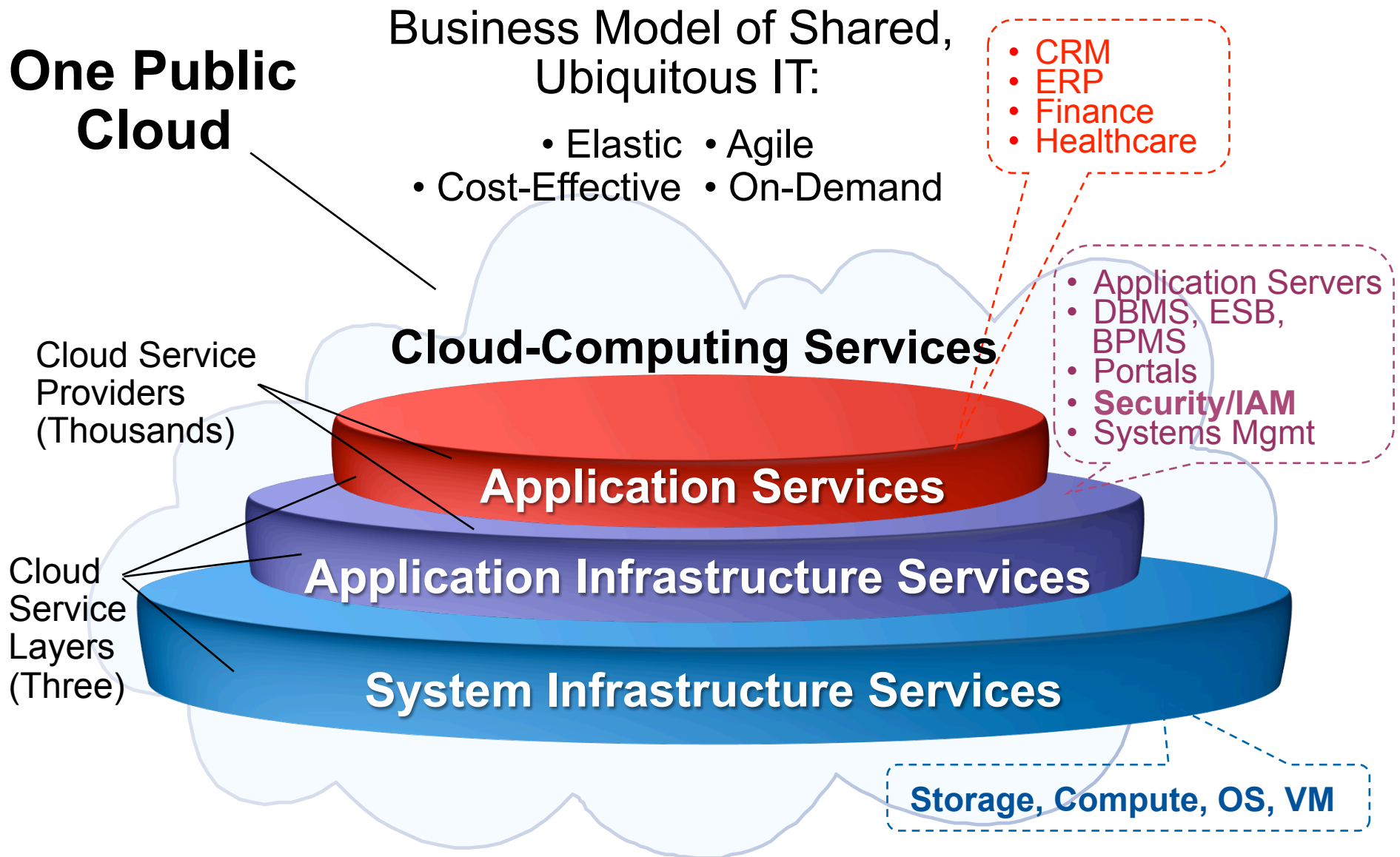
# Enterprise IAM Is Being Undone by Cloud Computing



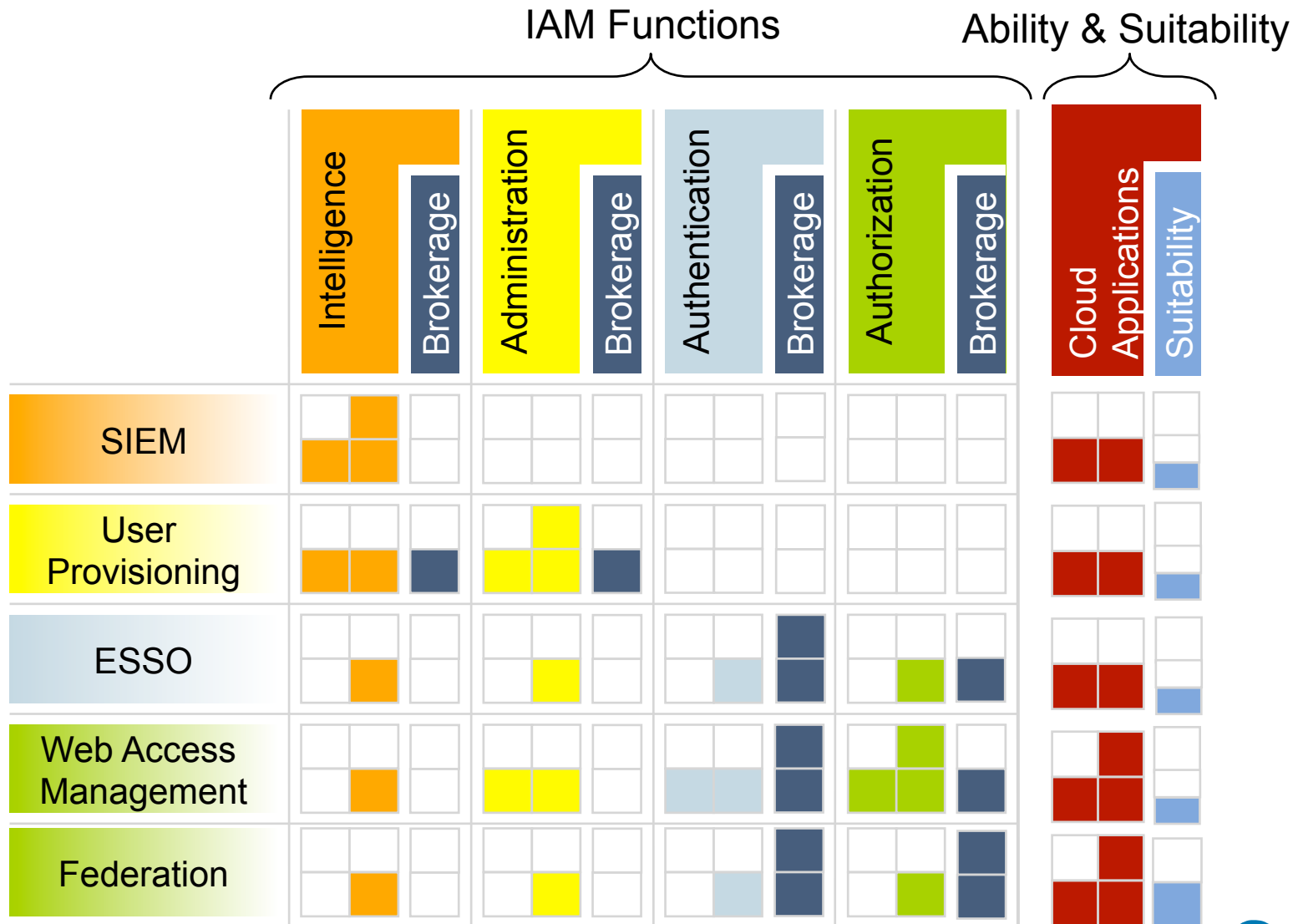
# Complexity and Exposure Increase Risk



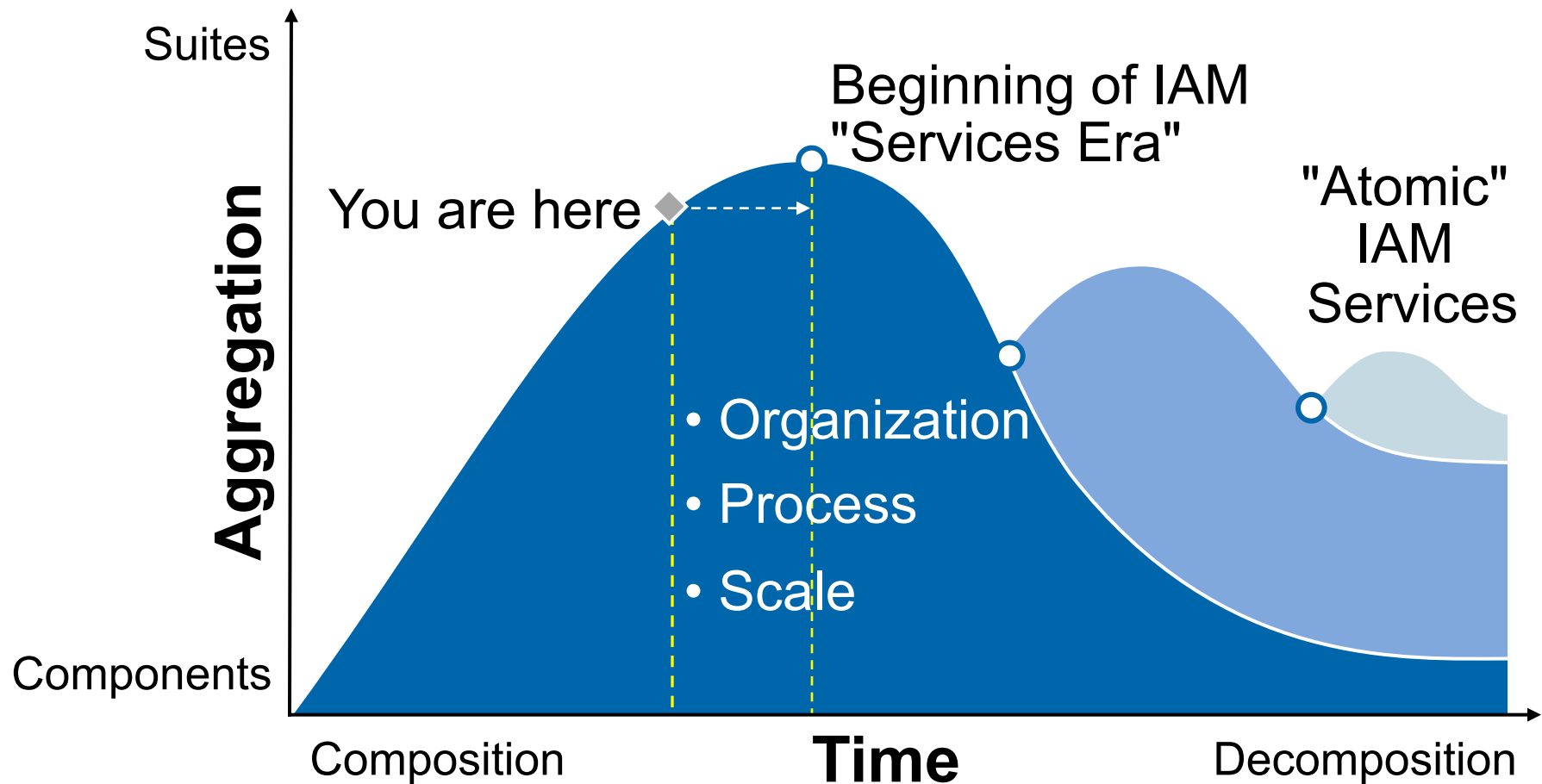
# Cloud Computing 2014: Where Does IAM Fit In?



# How Capable and Suitable Are Traditional IAM Products for Fulfilling Cloud Requirements



# The Messy Deconstruction of IAM and the Birth of IAM Services

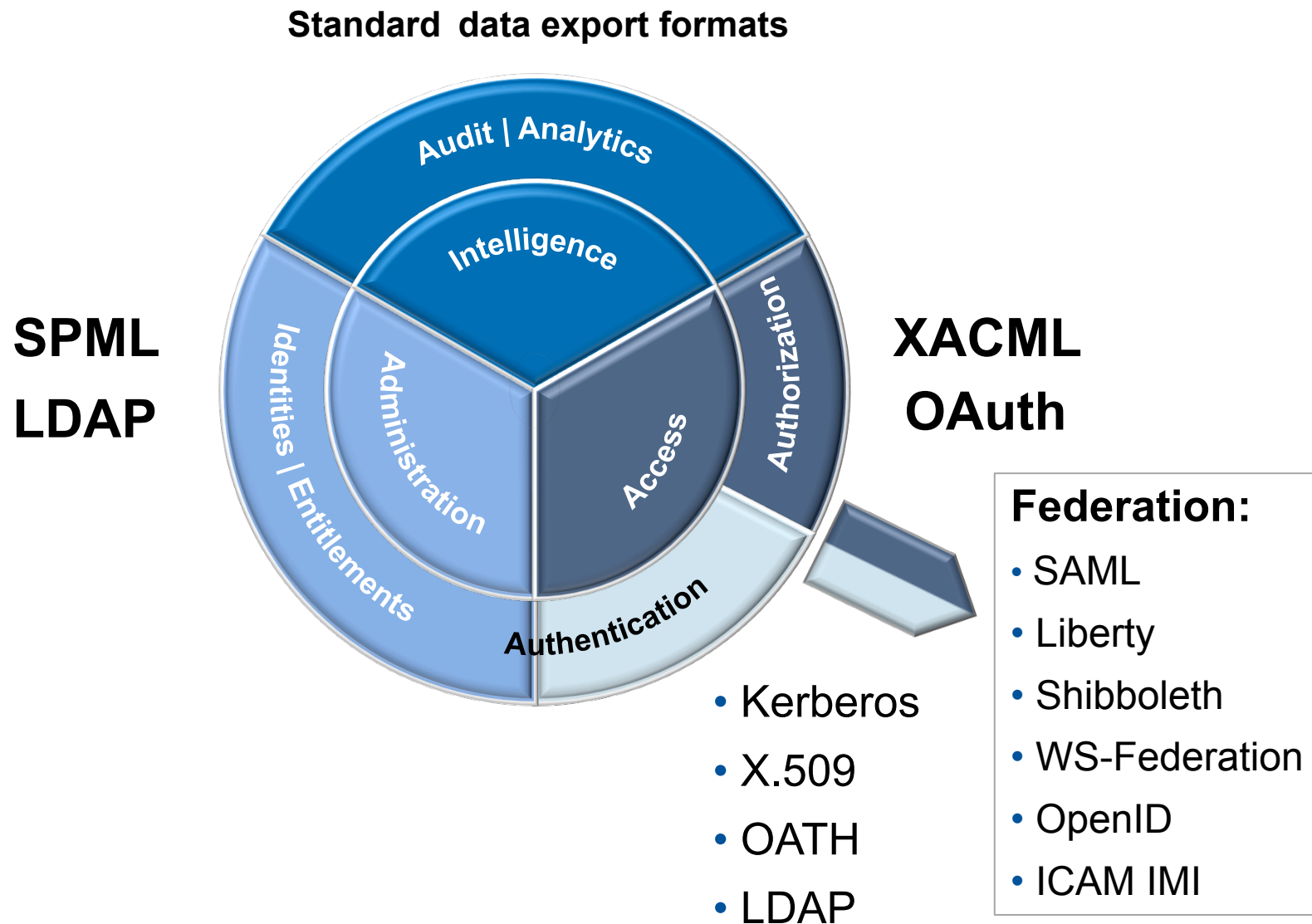


"Change is the constant, the signal for rebirth, the egg of the phoenix."

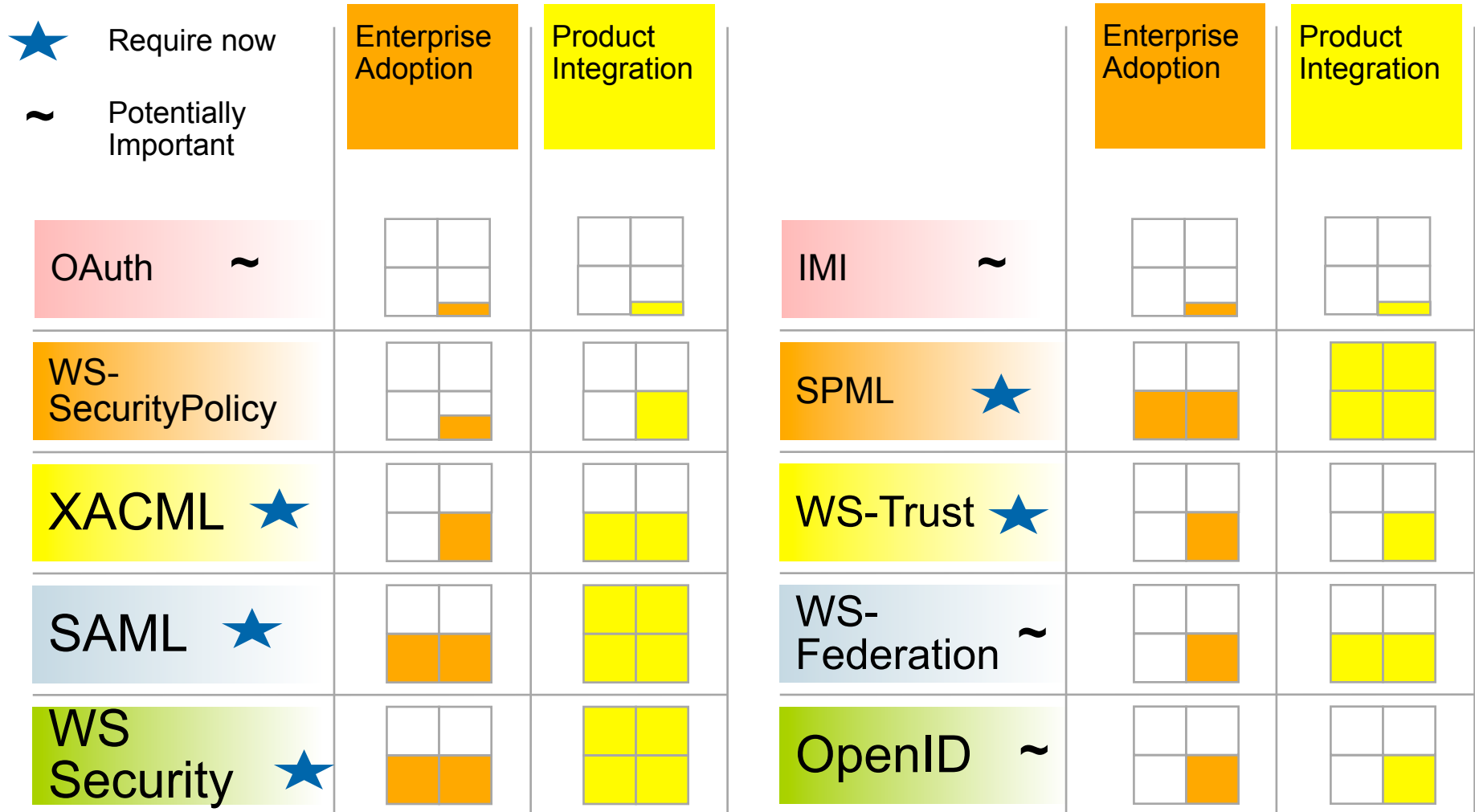
— Christina Baldwin

# IAM Standards: A Patchwork With Maturity in Basic Access (Only)

---



# IAM-SOA and Web Services Security Standards Adoption by Enterprises and Vendors



Enterprise adoption — estimated percentage of enterprises that are using products that support this standard.

Product integration — estimated percentage of available products providing security functions that could leverage this standard.

1 square — less than 5%

2 squares — 5-10%

3 squares — 10-25%

4 squares — greater than 25%



# Key Trends and Considerations

---

- Cloud security and cloud IAM are tightly coupled
- Hybrid cloud-enterprise models will rule for a *long* time
- Web access management and federation are precursors to cloud services IAM
- Access requirements will be met first — administration will take longer, intelligence — even longer
- The OpenID/OAuth stack has considerable momentum and support
- Don't underestimate the human factor

# Recommendation: Develop a Strategy for Safely Leveraging IAM Services

---

- ✓ Partner with business leaders to include security/ IAM assessments as part of the planning process when procuring cloud-based business application services.
- ✓ Develop contracting and assessment expertise.
  - Including security, compliance and continuity
- ✓ Select and pilot solutions, then implement controls before going operational.
- ✓ Plan for requiring security certifications by cloud applications providers as these certifications mature — likely within 2 years.