

The logo features the word "FORRESTER" in a white, serif font, centered within a dark green oval. The oval is set against a dark blue background with a subtle, abstract pattern of curved lines.

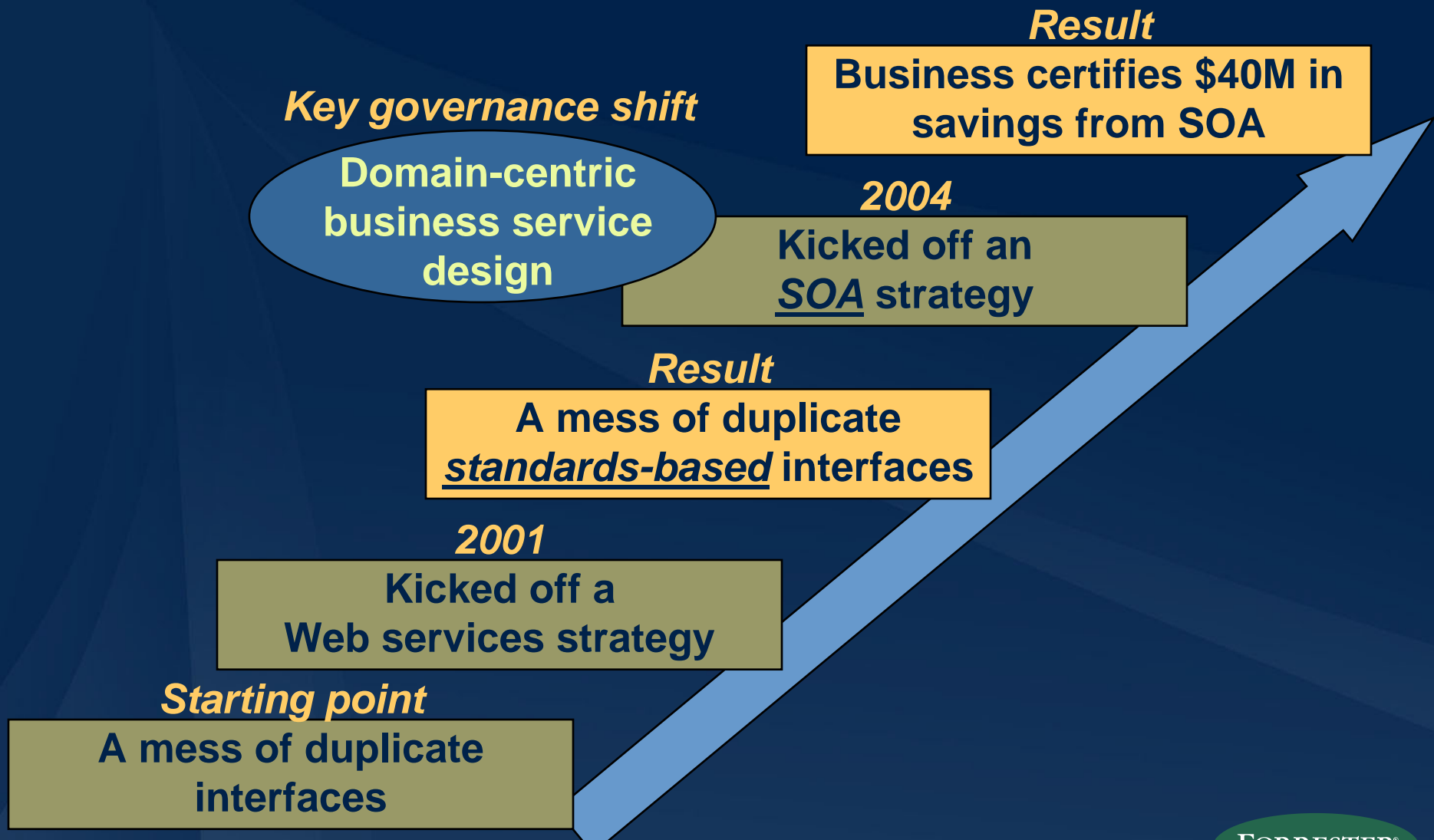
FORRESTER®

# SOA: The Foundation For Deep Business-IT Transformation

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# SOA governance was the key AT&T's \$40M savings

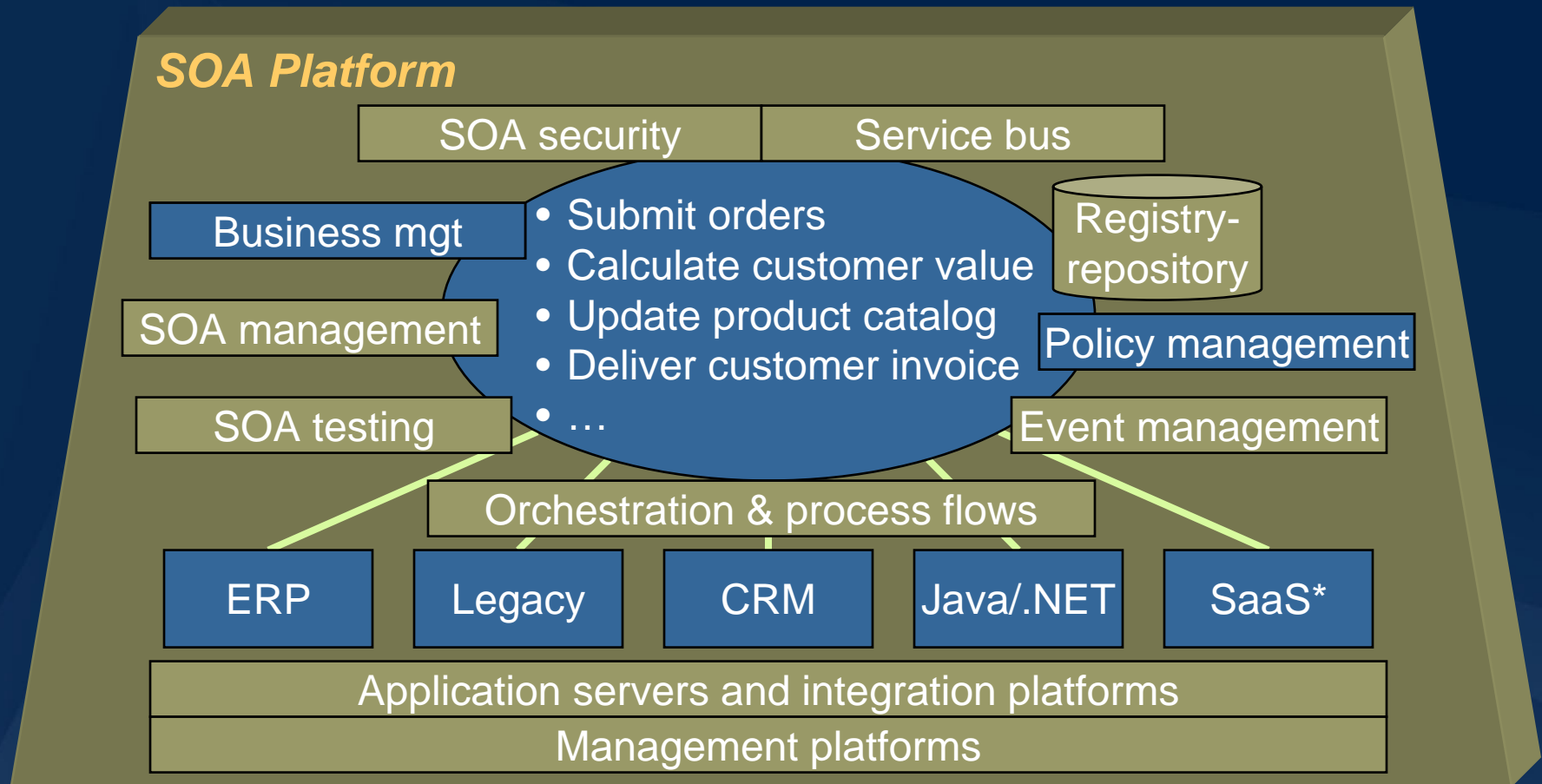


# AT&T's problem: Lowercase "soa" is short-sighted

- Lowercase "soa":
  - » "s" stands for any old network callable service
  - » soa = "request-reply messaging", so event management requires a separate architecture
  - » It's all about Web services technology and products
- Uppercase "SOA":
  - » "S" stands for your Business → business services
  - » SOA = many styles of access to your business
  - » SOA is all about the architecture of your business

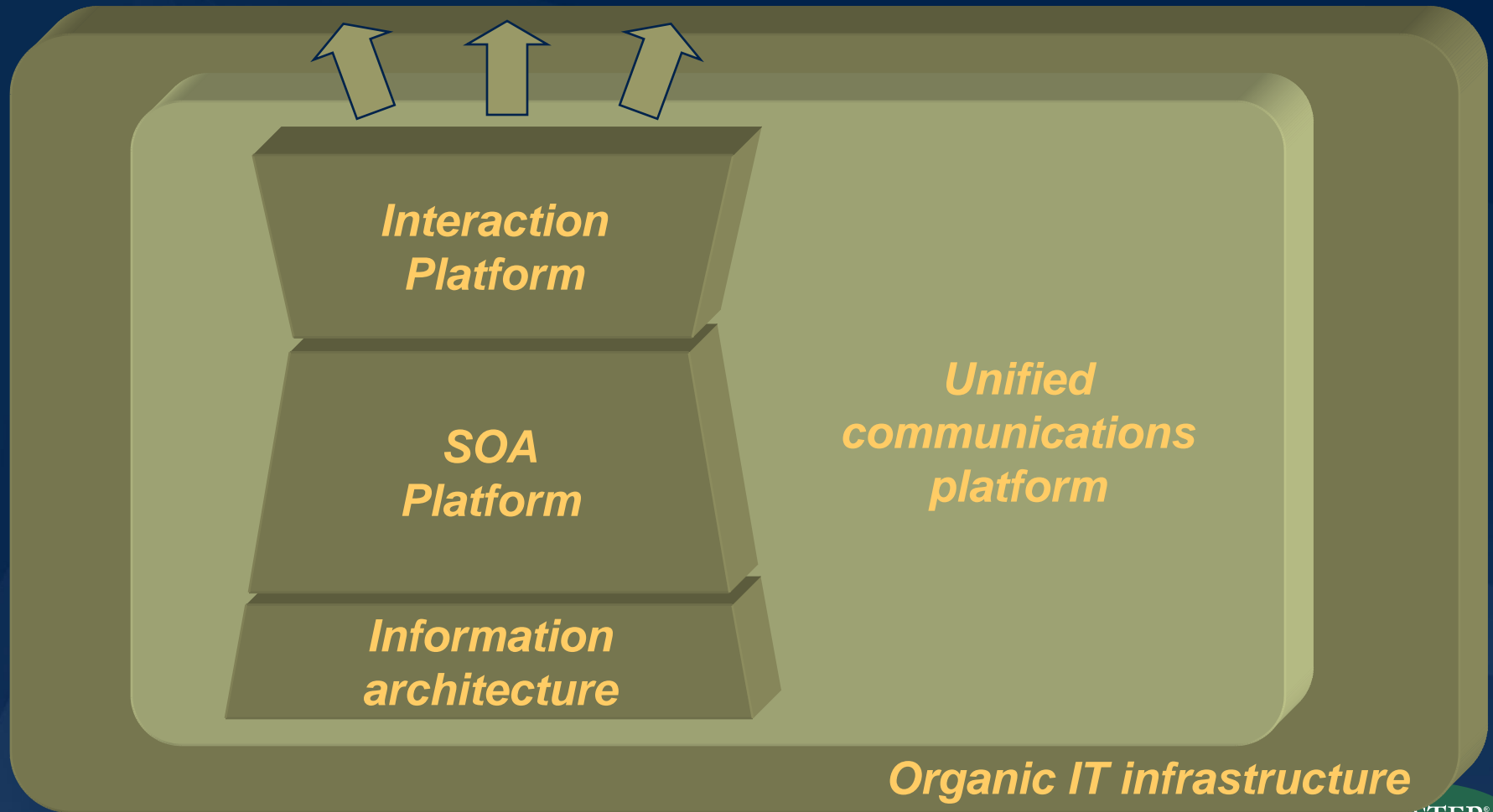
# Business is the center of a strategic SOA platform

***Business services are the core of your Digital Business***



# SOA is the foundation for a digital business platform

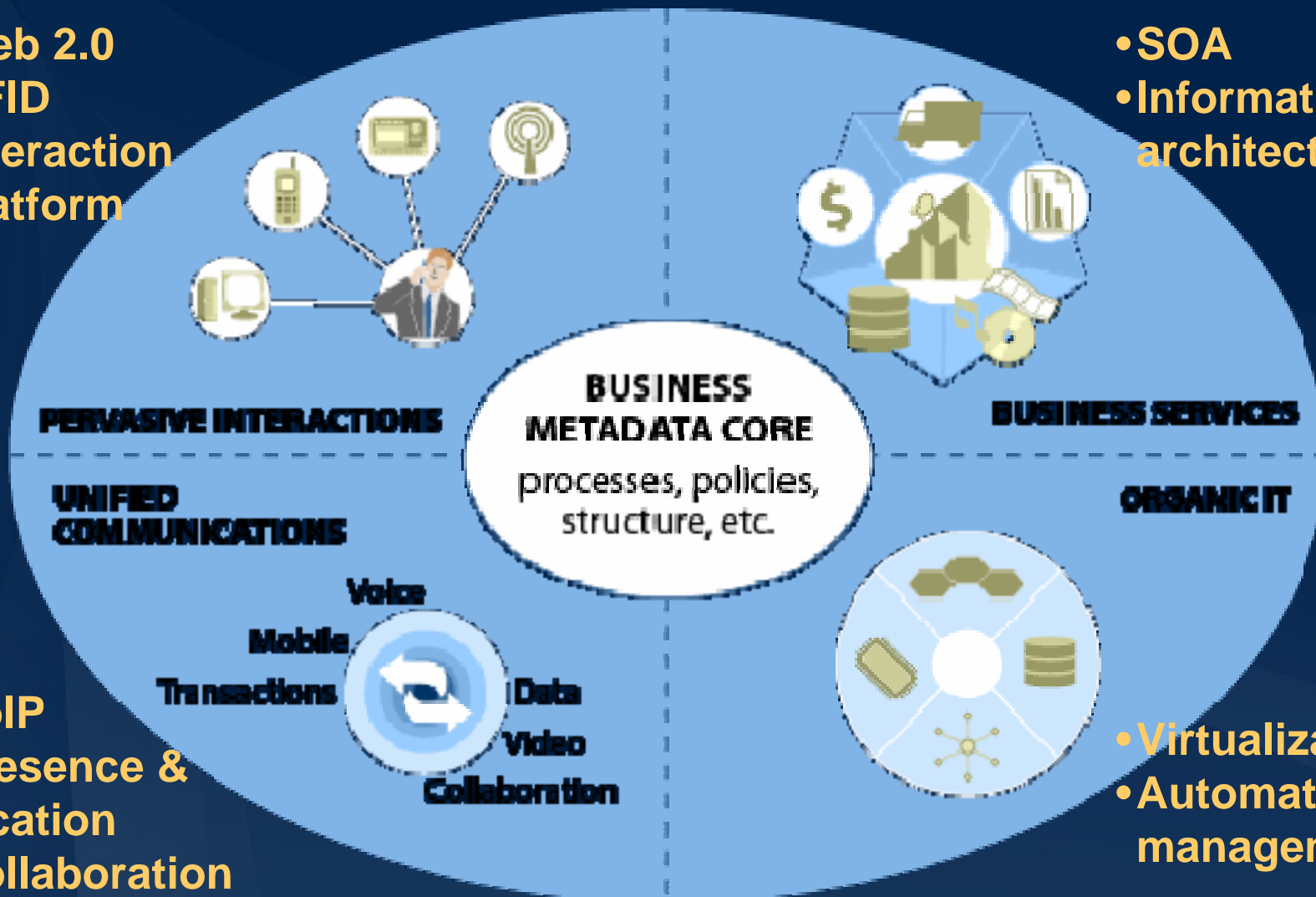
Customers      Partners      Suppliers      Governments  
Employees      Physical devices      Investors



# Future of IT: Digital Business Architecture

- Web 2.0
- RFID
- Interaction platform

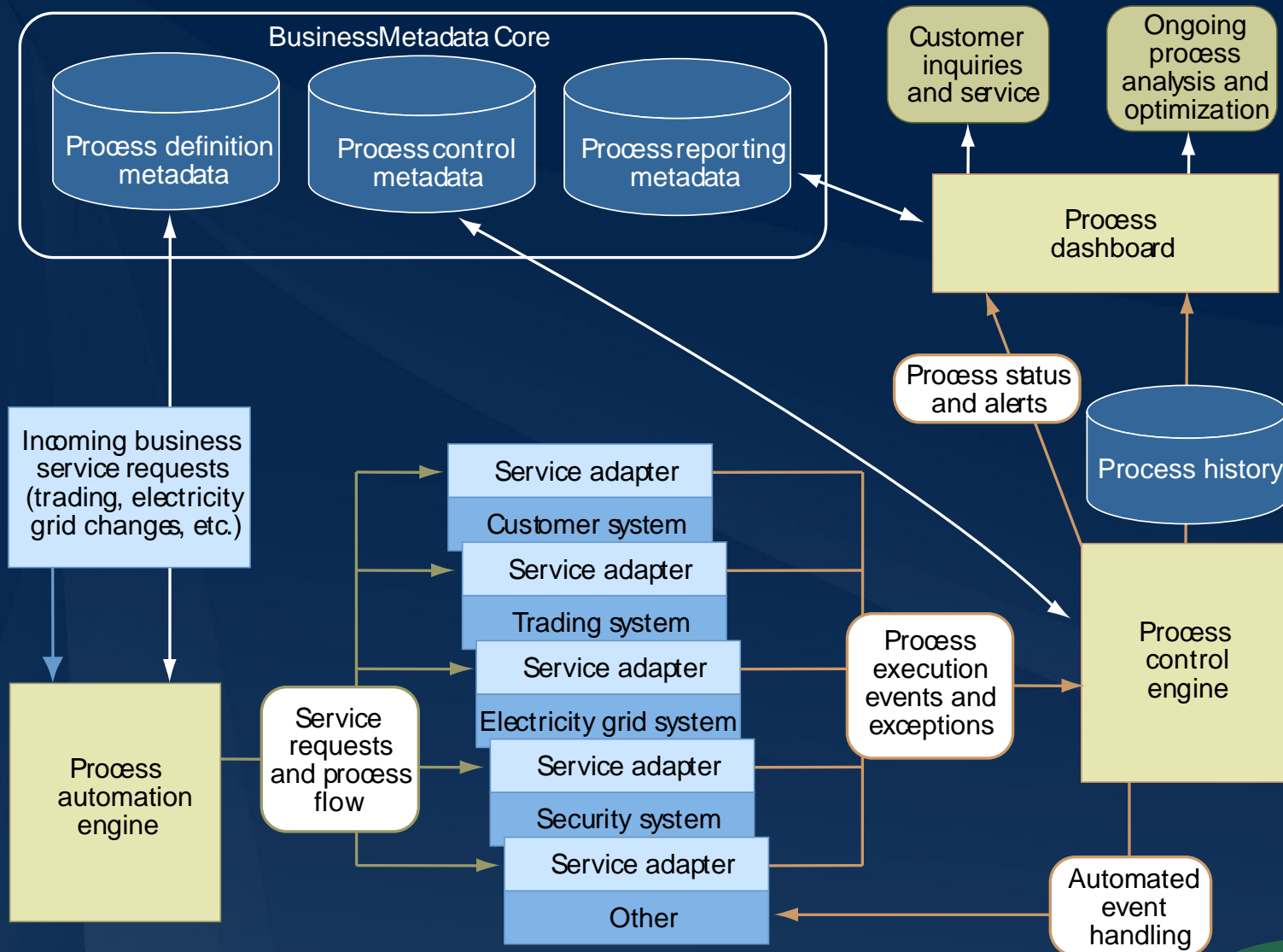
- SOA
- Information architecture



- VoIP
- Presence & location
- Collaboration

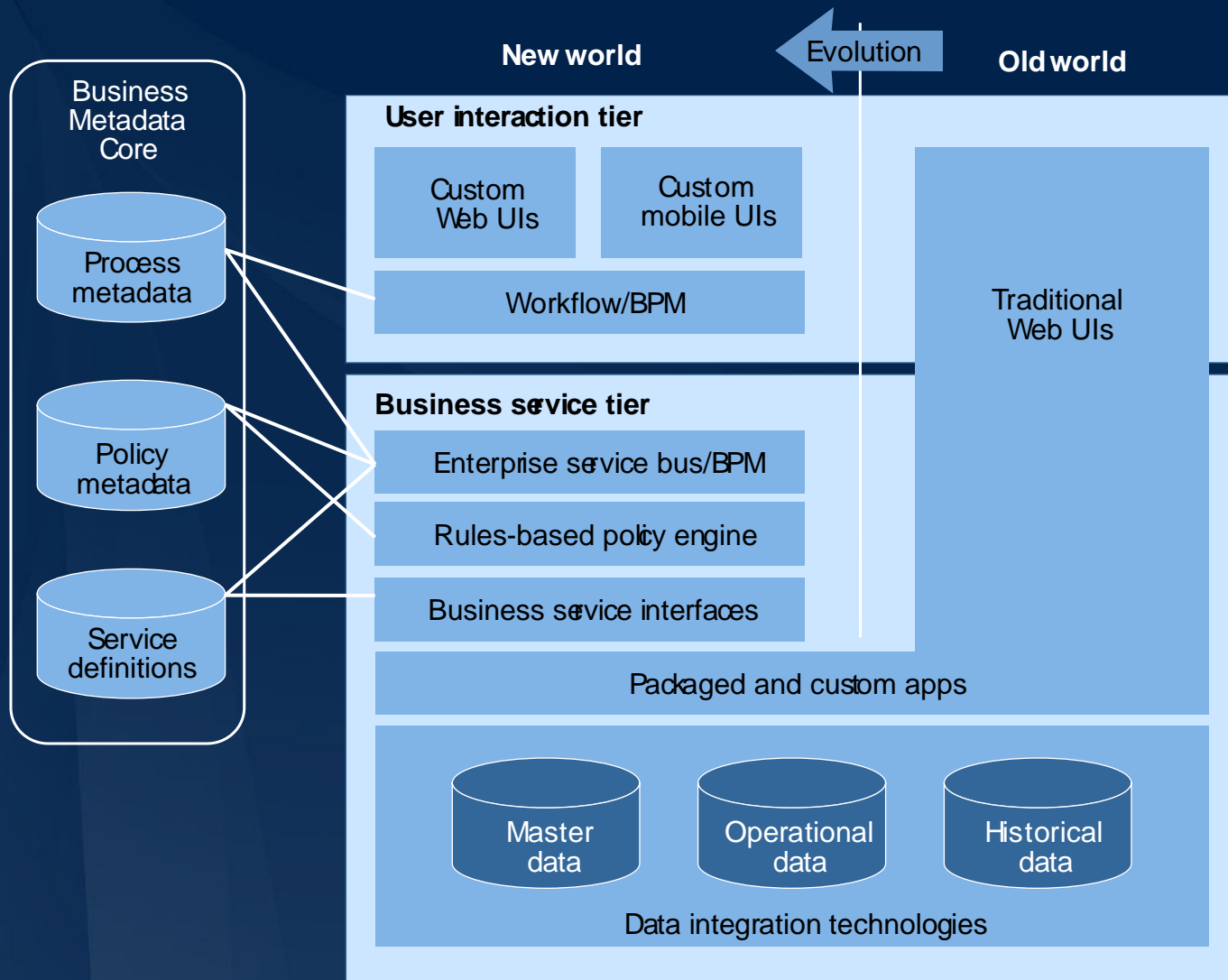
- Virtualization
- Automated management

# ISO New England: Metadata drives real-time control





# Services firm: Policy-based, process-driven portal



# Logistics firm: Flexibility starts with business models

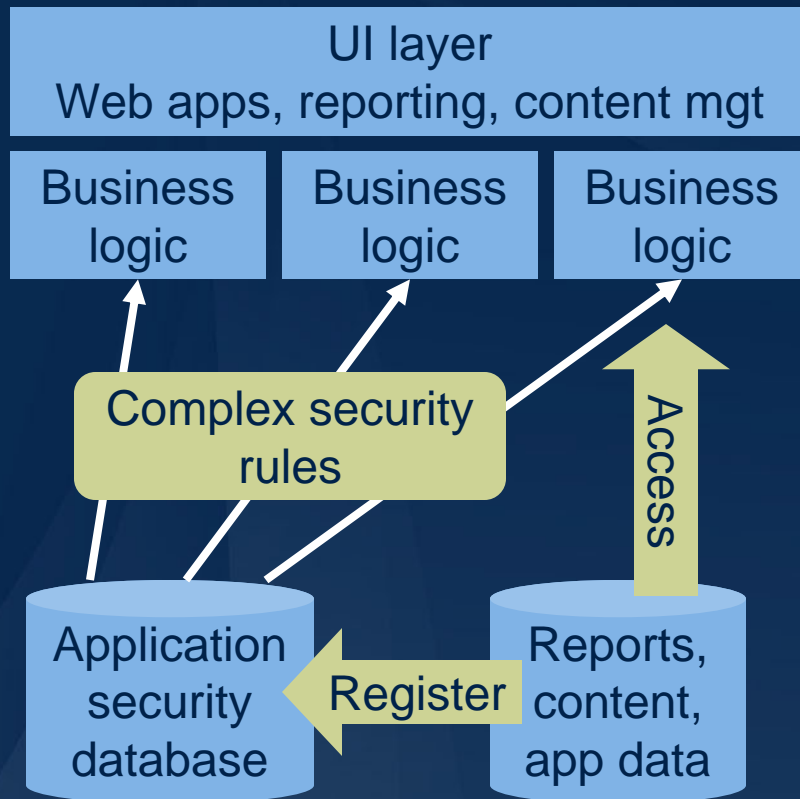
- The firm's future is based on the need for flexibility
  - » Each customer requires an "instance of one" product
- CIO sees the need to restructure IT for flexibility
  - » Business flexibility is intertwined with IT flexibility
  - » New IT base must build from a business model
- Business and IT jointly model:
  - » Core business capabilities
  - » Process and transaction flows
- SOA services are the implementation of the model

# Investment firm: Security via business metadata

## OLD

Common security rules, but:

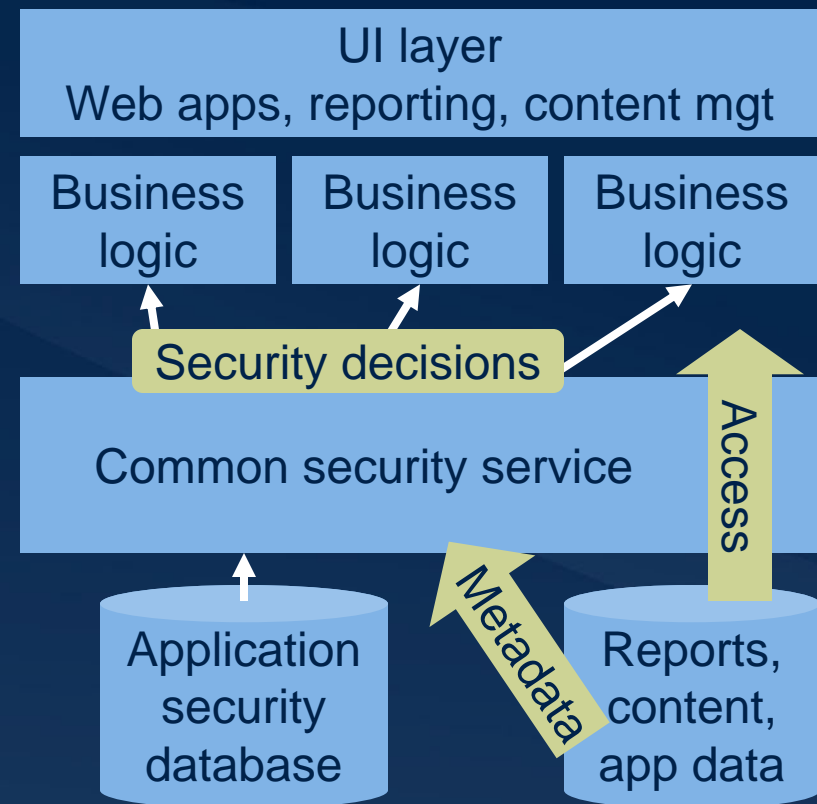
- No common enforcement
- Each asset individually registered



## NEW

Unified security service with:

- Central decisions and auditing
- Dynamic, metadata-based entitlements



# Realtor firm: Structuring an unstructured process

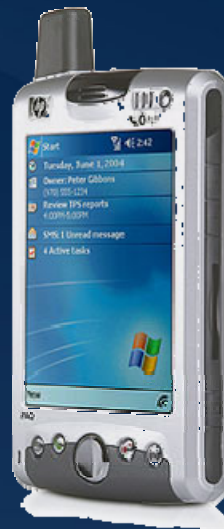
## Building a pervasive, content-infused, collaborative business process

- 2** During house-hunting trip:
- Take pictures
  - Take videos
  - Take notes — text + audio

- 3** After house-hunting trip:
- Upload to personal page
  - Send link to friends and family
  - Collaborate, participate

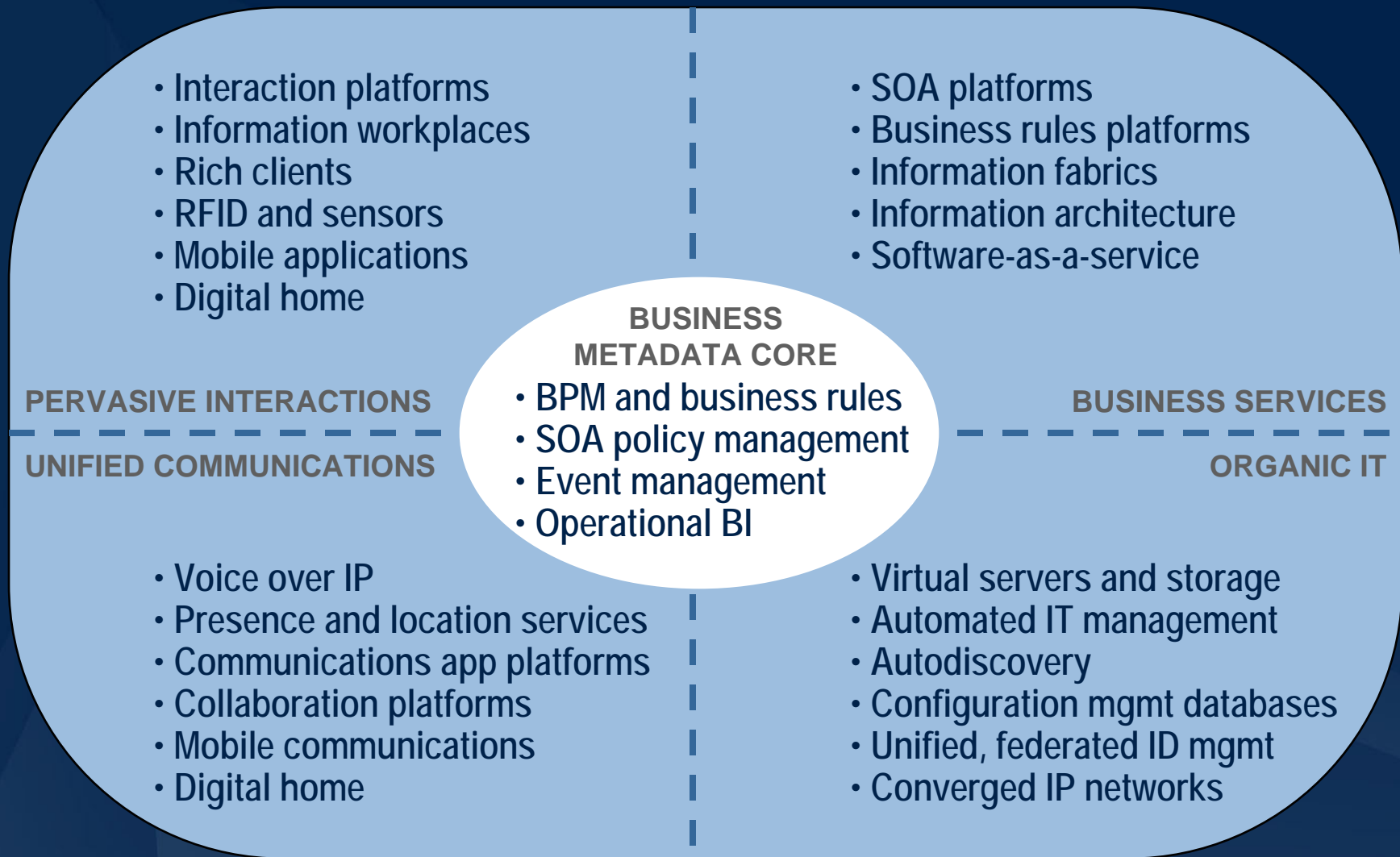
- 1** Before house-hunting trip, download:

- Addresses
- Directions
- Points of interest



*Windows-based phone*

# Enablers for deep business optimization



# Core competencies for the future of IT

- Deep integration of business and technology savvy
  - » Cross-functional focus on business design
- Architecture visioning and strategy
  - » Vision + implementation = street-level strategy
  - » Multilevel investment strategy: Strategic, soft dollar, hard dollar
- Portfolio management
  - » Road map for your business to position and justify investments
- Project-level architecture governance
  - » Incremental build-out against architecture strategy

# Related Forrester reports

- “Digital Business Architecture: IT Foundation For Business Flexibility” November 7, 2005, Forrester Big Idea
- “Implementing Your Digital Business Architecture” September 5, 2006, Trends
- “EDA, SOA 2.0, And Digital Business Architecture” September 1, 2006, Trends
- “Survey Data Says: The Time For SOA Is Now” April 14, 2006, Trends
- “How Composite Apps Will Change Enterprise Application Development” July 20, 2005 Trends
- “The Big Strategic Impact Of Organic Business And Service-Oriented Architecture” June 18, 2004, Trends
- “Organic IT 2004: Cut IT Costs, Speed Up Business” May 18, 2004, Trends
- “Unified Synchronized Communications Arrives” February 24, 2004, Trends

# Thank you

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# Supplementary material

# The mental model shifts of Digital Business Architecture

Major IT domain	Old design model	New design model
<b>Overall approach</b> to business technology solutions	First, design your business; then, design systems to support it	Concurrently design your business and its embodiment in the technology that runs it
<b>Business Metadata Core</b> Important business decisions captured in declarative form	Metadata is simply a side effect and artifact of various and sundry technology	Your collection of business metadata adds up to a digital model of your business
<b>Business Services</b> A firm's core business capabilities in digital form	Write (or buy) application code to serve dedicated business functions	Build a business foundation by creating (or acquiring) digital business capabilities ready to deliver to any business process
<b>Pervasive Interactions</b> User interfaces, sensors, and other ways of initiating business activities from the physical world	Design a user interface for an individual business function	Optimize physical world endpoints, integrating users and devices — and the resources they need — into managed end-to-end business processes
<b>Unified Communications</b> Channels for human communication and collaboration	Find the right network on which to deliver a message to someone	Do multichannel, cross-channel, context-aware human collaboration on a unified, converged network
<b>Organic IT</b> The IT infrastructure and network on which a firm's business runs	Install an application on a server and manage IT infrastructure	Use business policy to manage operation of an allocate resources to business processes

# Essential business goals for each domain

Domain	Essential business goal
Business Metadata Core	Enable rapid, intelligent, and efficient change to the operation of the business
Business Services	Provide open access to an organization's digital business capabilities
Pervasive Interactions	Optimize operation of business process endpoints in the physical world
Unified Communications	Increase productivity by deeply integrating human communication and collaboration into business processes
Organic IT	Direct constrained IT resources to deliver the highest value and service to the business

# What do you with SOA & Digital Business Architecture?

STOP	START
STOP writing requirements documents for IT.	START joint business-IT analysis of business problems.
STOP delivering applications for targeted functions.	START building SOA-ready digital business capabilities.
STOP designing user interface screens.	START optimizing business process endpoints.
STOP burying key business decisions in application code.	START building the control room for your digital business.
STOP treating business and IT as two different worlds.	START cross-boundary process governance, including IT.
STOP using architecture merely for cost-saving standardization.	START using architecture for strategic business flexibility.