

IBM Service Oriented Architecture

SOA Industry Roadmap Overview

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Agenda

- What is an SOA Industry Roadmap?
- What problems does it solve?
- What's in it?
- What is the range and scope of IBM's offerings in this area?
- What are some examples?



Innovation that Matters To CEOs

Top Innovation Priorities:

- Extend the ability to collaborate inside and outside
- New innovative business models and processes
- Leverage information for business optimization



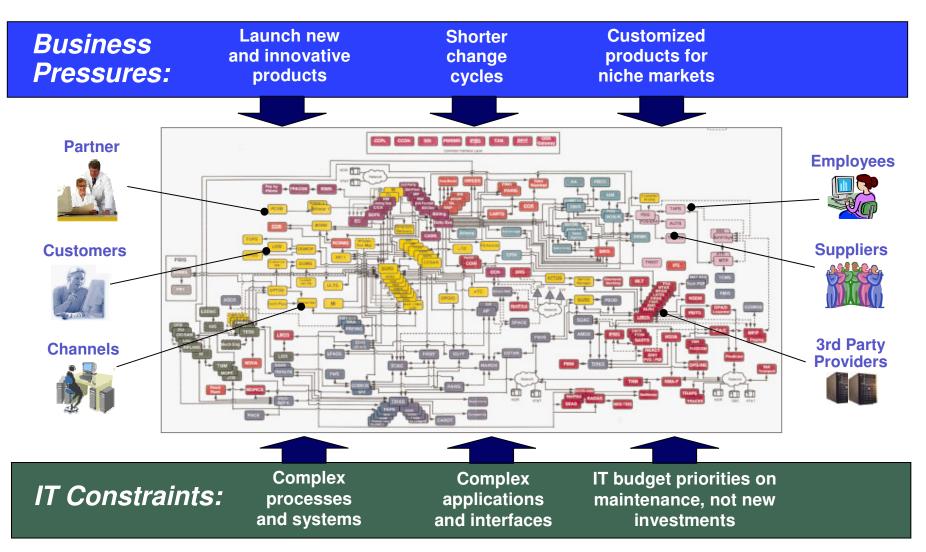
Source: 2006 IBM Global CEO Survey

87% Expect fundamental change in next 2 years

78% Believe innovation requires greater business and technology alignment



The Challenge: Business and IT Alignment

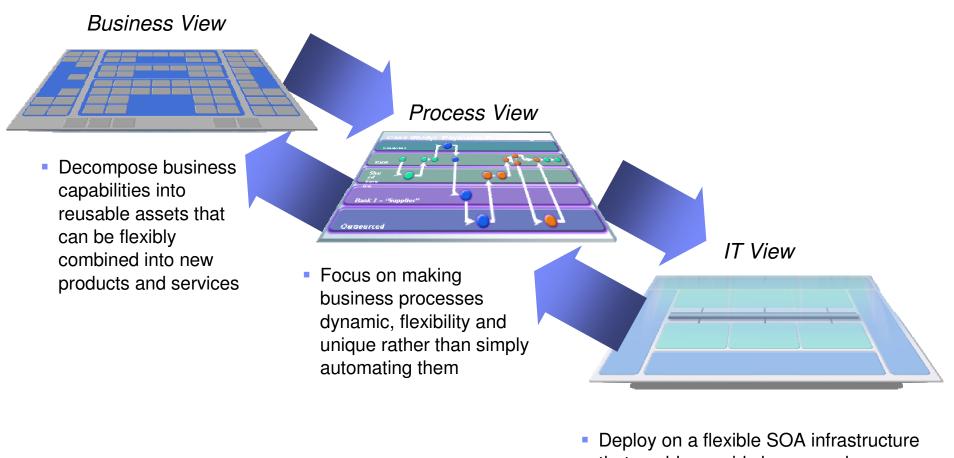


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A New Approach is needed to extend and enhance existing capabilities and unleash more business value



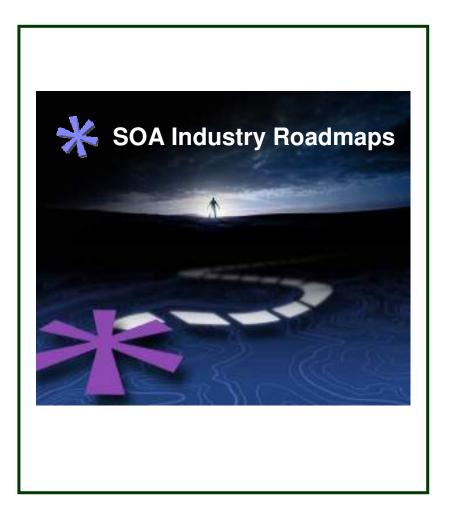
that enables rapid change and incremental deployment without IT systems "rip and replace"



Introducing IBM SOA Industry Roadmaps

Delivering flexible and innovative solutions at lower cost and risk

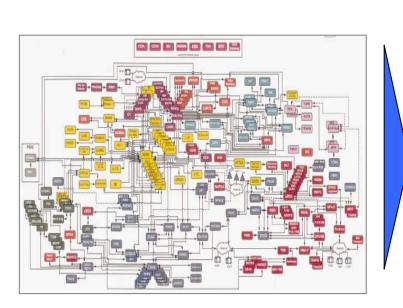
- SOA Industry Roadmaps are IBM's integrated software, services, and hardware offerings.
- They are designed to help customers benefit from the business, technical and cost saving advantages of Service-Oriented Architecture (SOA) in an incremental, controlled and effective manner, regardless of where they are along the SOA adoption continuum.

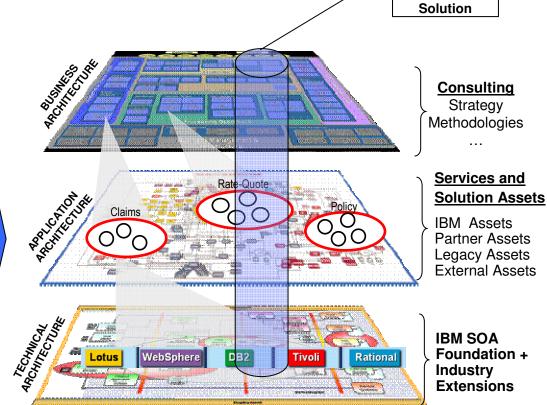


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SOA

SOA Industry Roadmaps help align business intent with IT execution

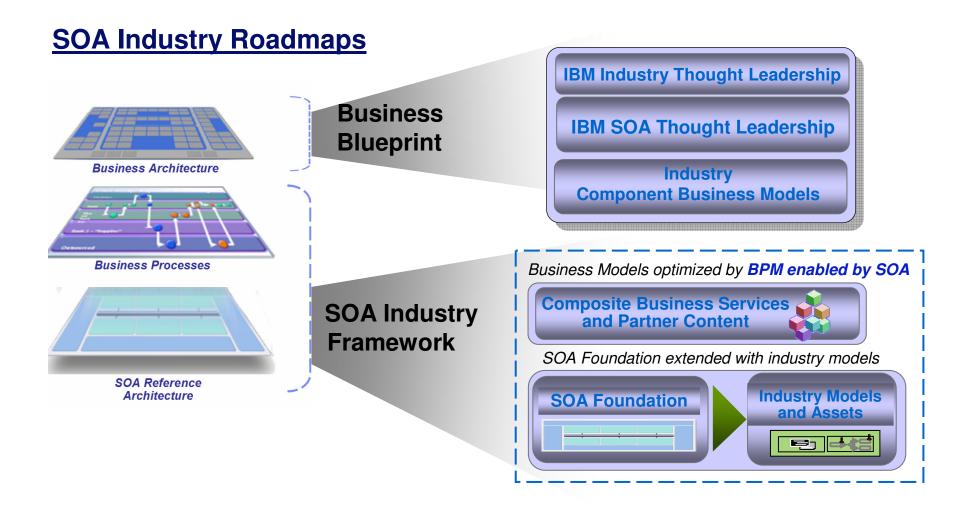




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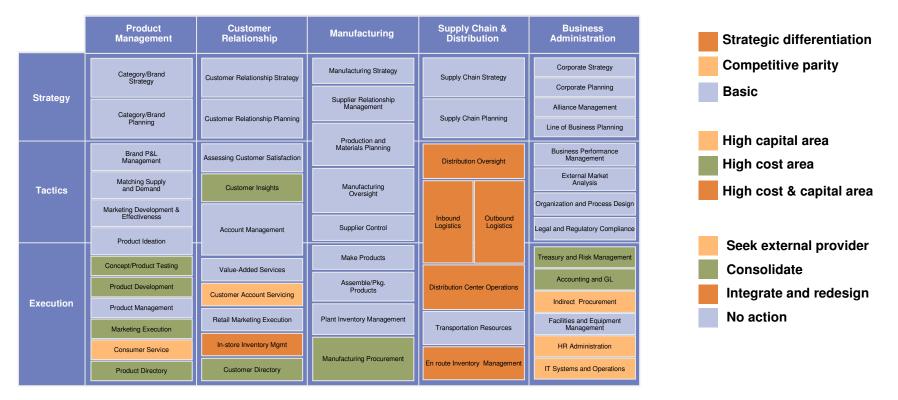
Contents of an SOA Industry Roadmap



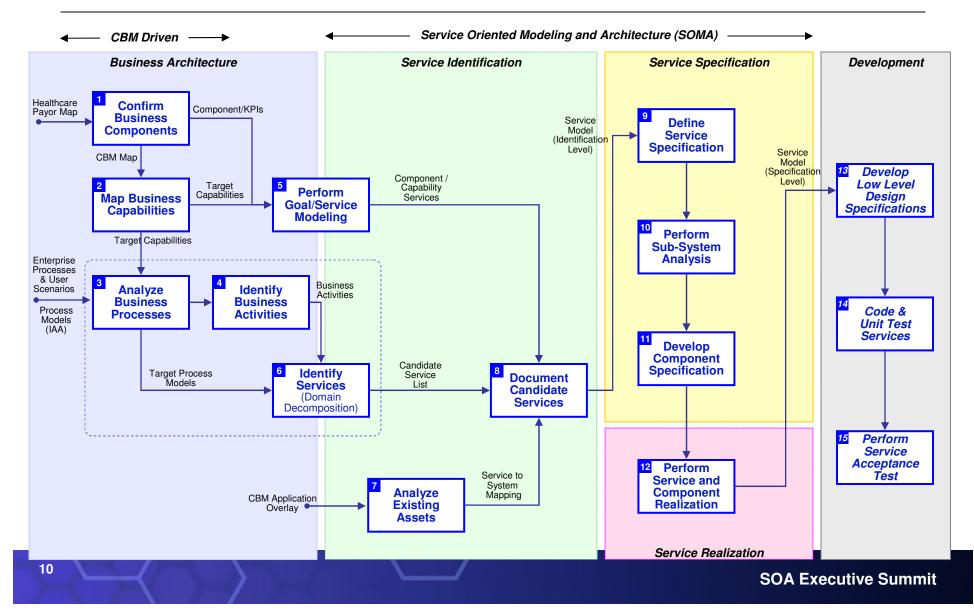


Component Business Modeling (CBM)

- Analytical technique that breaks business functions into a structured collection of components
- "A Business on One Page"
- Identifies services areas that are differentiating by applying objective evaluation criteria
- Generates views ("heat maps") that show where transformation opportunities lie
- Develops business case for IT and business transformation opportunities



Approach to defining and building SOA Solutions via Roadmaps

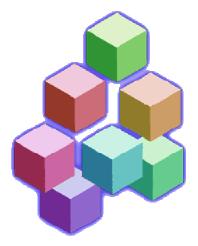




Composite Business Services

A Business Service is a business function whose execution can be adapted at runtime based on business policy and user context.

- Designed at business level to represent a discrete business function
- Uses business policies and metadata to enable flexible, adaptable behavior
- Leverages Reference Industry Models to simplify interoperability across disparate internal and external systems
- Provisioned through multiple communication channels (Web, B2B, IVR, etc)
- Derived from disparate IT resources
- Built using Web service and industry standards



IBM Service Oriented Architecture

IBM SOA Business Catalog The place to find your SOA assets



SOA Executive Summit

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INFORMATION FRAMEWORK

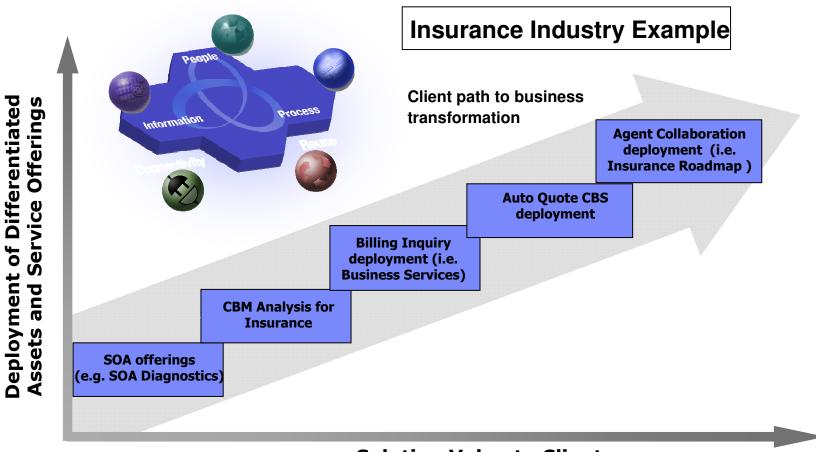


How are SOA Industry Roadmaps unique?

	Current Approach	SOA Industry Roadmap
Approach	Custom development or packaged product customization	Best-of-breed solution with pre-built SOA assets and common architecture, methods, and models
Project Scope	Core business processes or business functions	Core business process or function, with reusable assets and extensible models across enterprise
Risk Profile	Standard SI length engagements. Proven methods and tools	Faster, lower risk engagement with pre-built assets. Proven models, methods, architecture, and tools.
Flexibility	Business processes are baked into the application code. Difficult to modify and innovate	Business processes made dynamic, flexibility and unique. Based on business-level building blocks that are easier to change
Costs	Packaged product license and maintenance	License only the incremental pre-built assets needed



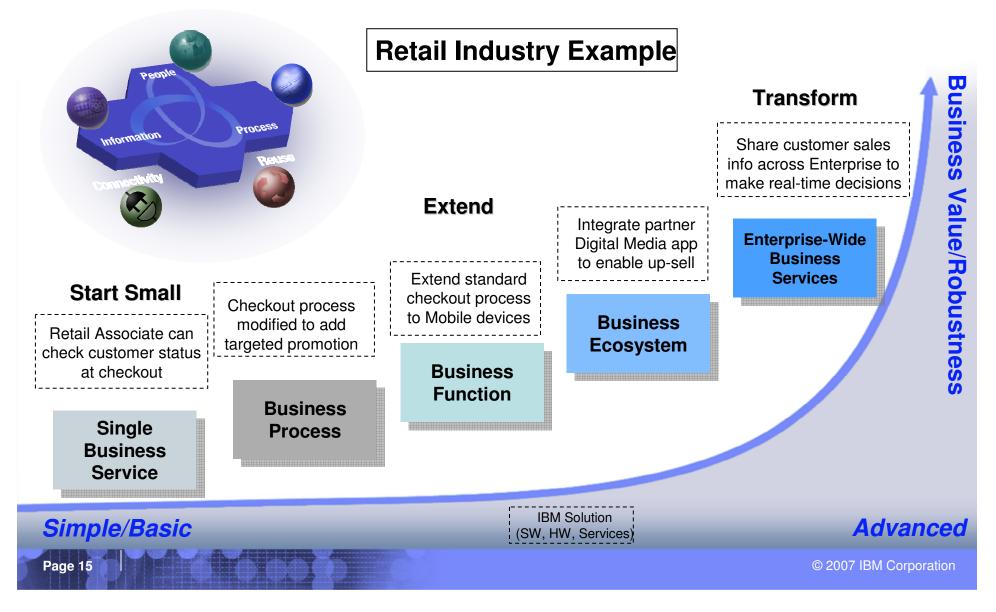
SOA Industry Roadmaps deliver incremental business transformation through a combination of professional services, pre-built SOA assets, models, methods, and tooling



Solution Value to Client

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Whatever entry point customers choose or where they are along the SOA maturity scale, SOA Industry Roadmaps can accelerate progress





SOA Industry Roadmaps

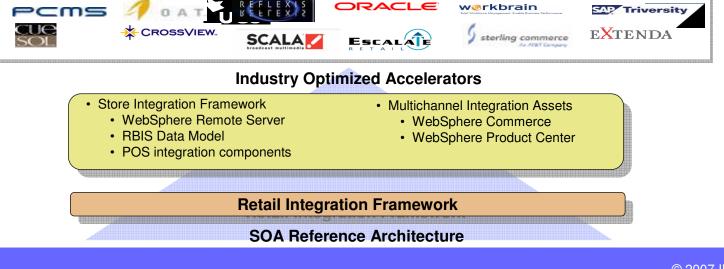
Eight Roadmaps in Six Industries

<u>Industry</u>	<u>Roadmap</u>
Insurance	Agent Collaboration
Healthcare	Enrollment to File
Healthcare	Provider Collaboration (sold to Payer for their providers)
Banking	Payments
Retail	Total Store
Telecommunications	Business and Operational Support Systems
Telecommunications	Service Delivery
Industrial	Industrial and Manufacturing Product Lifecycle Management
10	



The Retail SOA Industry Roadmap has helped businesses solve real problems starting at entry points that address their specific needs





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Insurance businesses can begin to manage compliance and streamline business processes using the Insurance Industry SOA accelerators



- Consolidated and standardized processes across business units and acquisitions
- Refreshed core insurance systems for next generation operating models and efficiency
- Addressed global corporate compliance concerns initially for email



Industry Optimized Accelerators

- IBM Insurance Property & Claims SOA Industry Content Pack
- Services Models
- Data Models
- UML Models

Insurance Integration Framework

SOA Reference Architecture



The Healthcare Integration Framework allows payers and providers to streamline processes and deliver information to the right people at the right time



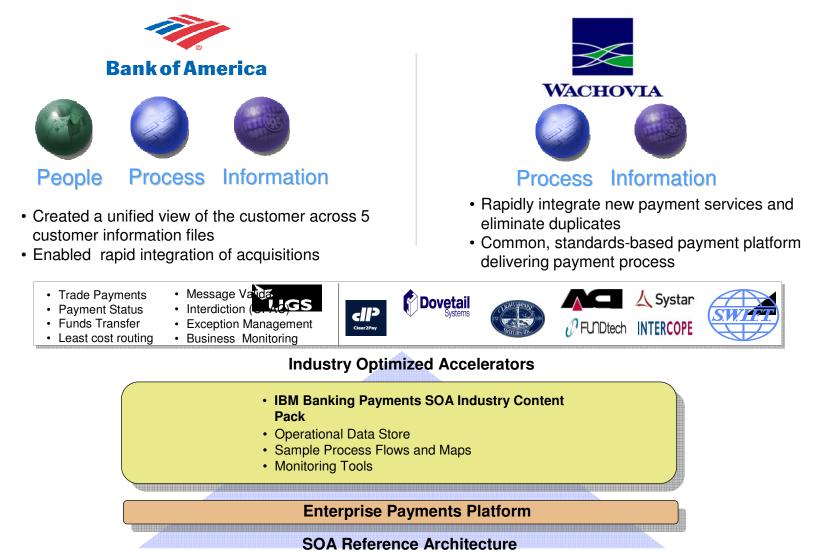
- Provider Portal/Portlets
- Data Transformations
- Healthcare Payer Data Model
- B2B Partner Gateway

Healthcare Integration Framework

SOA Reference Architecture

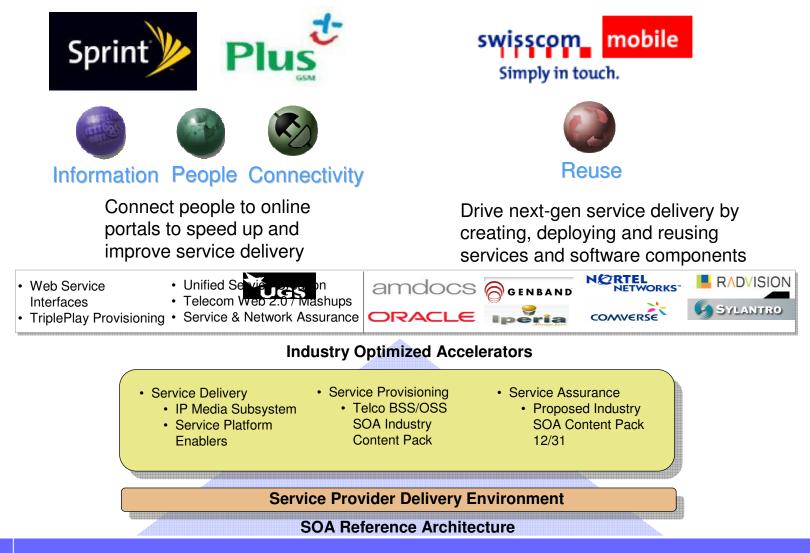
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The Banking Payments Industry Accelerators speed business process transformation and information delivery for major customers





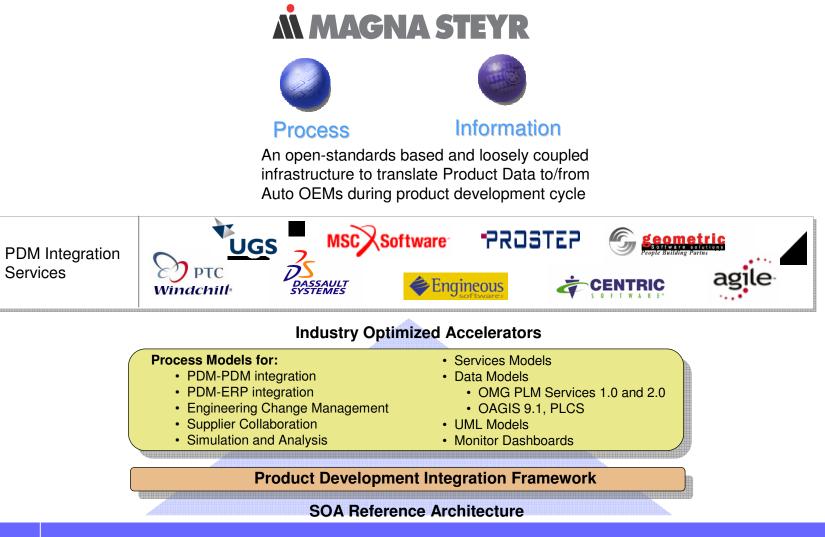
Telecommunications providers are providing next generation service delivery capabilities using the Telco Industry Accelerators



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The Product Development Integration Framework allows Industrial businesses to manage workflow and streamline processes during complex development cycles





Customer Benefits of IBM SOA Industry Roadmaps Delivering flexible and innovative solutions at lower cost and risk

- Designed to rapidly convert industry thought leadership into innovative business solutions
- Create innovative best-of-breed solutions based on the largest SOA partner ecosystem, industry best practices, proven industry models, and professional services
- Accelerate time-to-value with pre-integrated solution assets, methods, architecture, and tooling
- Mitigate project risk through incremental deployment and IT asset reuse



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Getting Started with SOA Industry Roadmaps

Customers can get started in multiple ways:

- 1. Perform an SOA strategy or SOA diagnostic engagement with IBM Global Business Services
- 2. Download information from the IBM web site on industry thought leadership and SOA transformation
- 3. Engage an IBM Global Business Services professional (BSP) or Industry Software Sales Specialist (ISSR) for a more detailed demonstration and deep dive of Industry Roadmap solutions
- 4. Engage IBM Business Partners to review their assets in the context of the IBM Industry Roadmaps









IBM

The End Game – Enabling Flexibility and Innovation We can help you achieve efficiency, effectiveness and change

Innovation is all about change... IBM can make it easier

 Only IBM, with its end-to-end capabilities, can help you develop a customized road map, focused on the needs of your business in the context of your industry

Start at the point that is right for you

 IBM will provide you with both intermediate return and long-term value to help you become an on demand business



"What you've described is truly gold – These SOA Roadmaps and industry best practice models are the Holy Grail to transform your customer's business."

John Rymer Vice President Forrester Research April 19, 2007



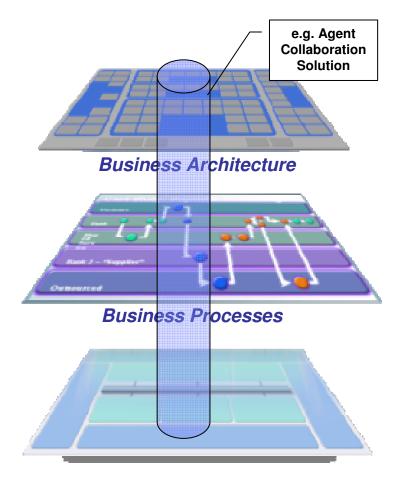




26



SOA Industry Roadmap - What's Unique?



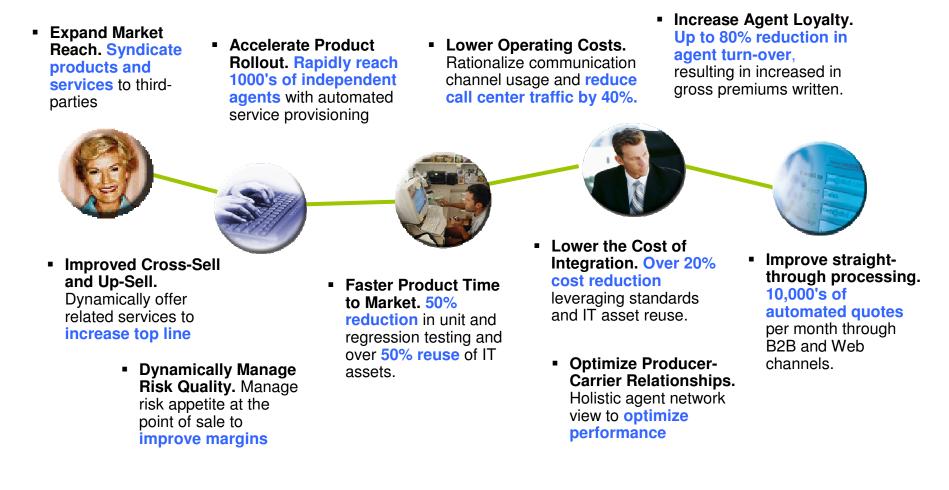
SOA Reference Architecture

- End-to-end industry SOA solution from business strategy to operating model, based on a flexible SOA infrastructure
- Starts at industry thought leadership, and rapidly convert down into innovative business solutions
- Helps continuous align business and IT to provide ongoing flexibility and responsiveness
- Create innovative best-of-breed solutions based on differentiating pre-built SOA assets from IBM and partners at each level of the solution stack
- Accelerate time-to-value with aligned and integrated solution assets, methods, architecture, and tooling
- Mitigate project risk through incremental deployment and IT asset reuse



SOA Industry Roadmaps can be deployed incrementally to focus benefits and lower project risk

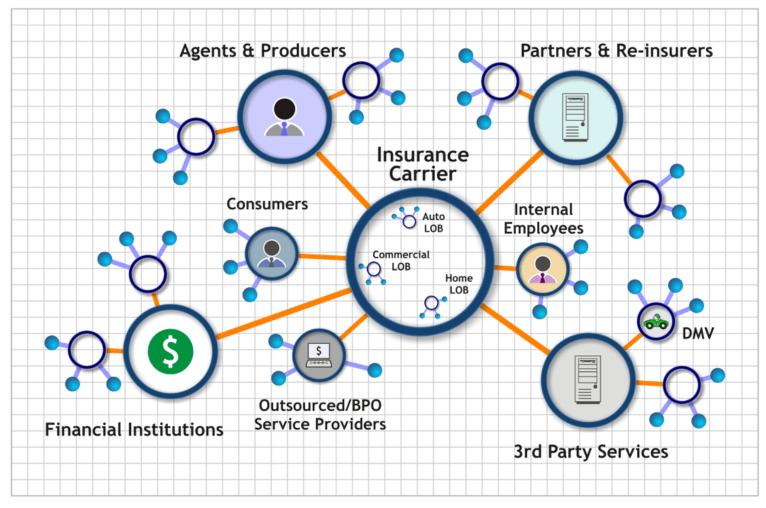
What are your business objectives (insurance industry examples)?





The Vision:

Industry Roadmaps enable the Business Services Ecosystems



Insurance Business Services Ecosystem



IBM Integrated SOA Portfolio – Detailed Definition

- Industry SOA Roadmaps are IBM's integrated software, services, and hardware offerings. They are designed to help customers benefit from the business, technical and cost saving advantages of Service-Oriented Architecture (SOA) in an incremental, controlled and effective manner, regardless of where they are along the SOA adoption continuum.
 - The services portfolio will include business and technical consulting services across the full services lifecycle (from strategy to implementation) and based on a 3-tier architecture (Business Architecture, Applications and Infrastructure); soft assets (methods and tools) and hard coded assets (composite business services); education, training and governance consultation; field deployment and support services, hosting, support for business process outsourcing (MPBS) and custom development; Outsource Services, Multi-Platform Integration Services (SAP, Oracle, Microsoft).
 - The software portfolio will cover all IBM SOA tooling, data, and middleware products and associated services in support of the design, development and deployment of assets at both the product and component levels to ensure world class capability to manage and govern all stages of IBM SOA lifecycle framework.
 - The hardware portfolio will cover IBM hardware and associated services aimed at improving infrastructure performance, reliability, interoperability, security and manageability e.g. server consolidation, blade servers, and virtualization of servers and storage, and will develop SOA compliant offerings on GRID, Autonomics and Virtualization.
- Individual customer offerings within each roadmap IBM will be comprised of both standalone software, services, or hardware offerings and their combinations. A subset of these offering will be organized around industry lines and will be aligned with the industry points of views.