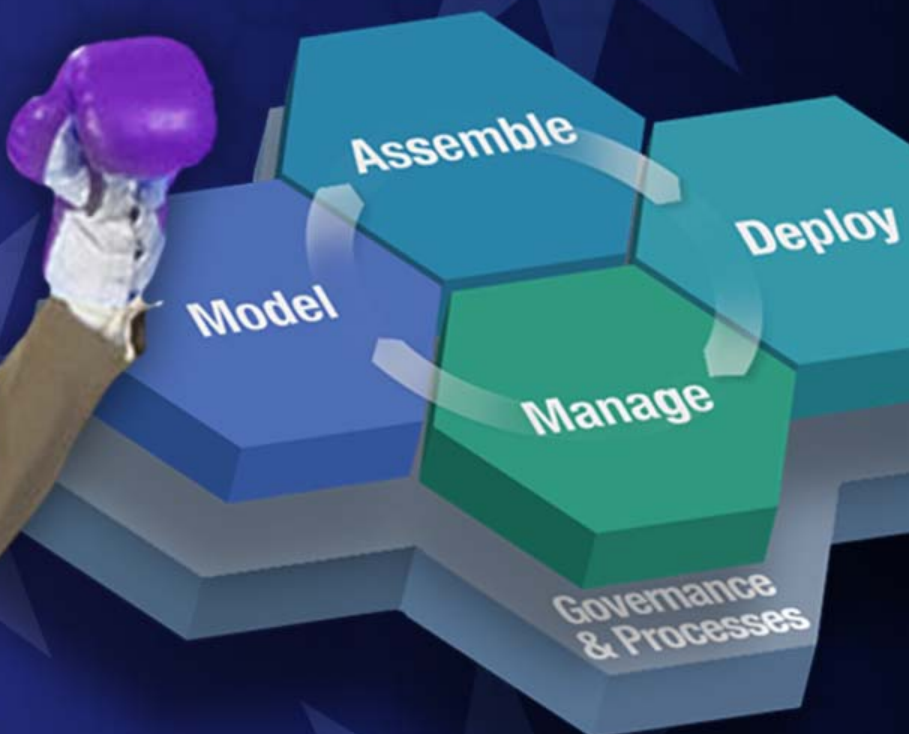


IBM SOA Architect Summit

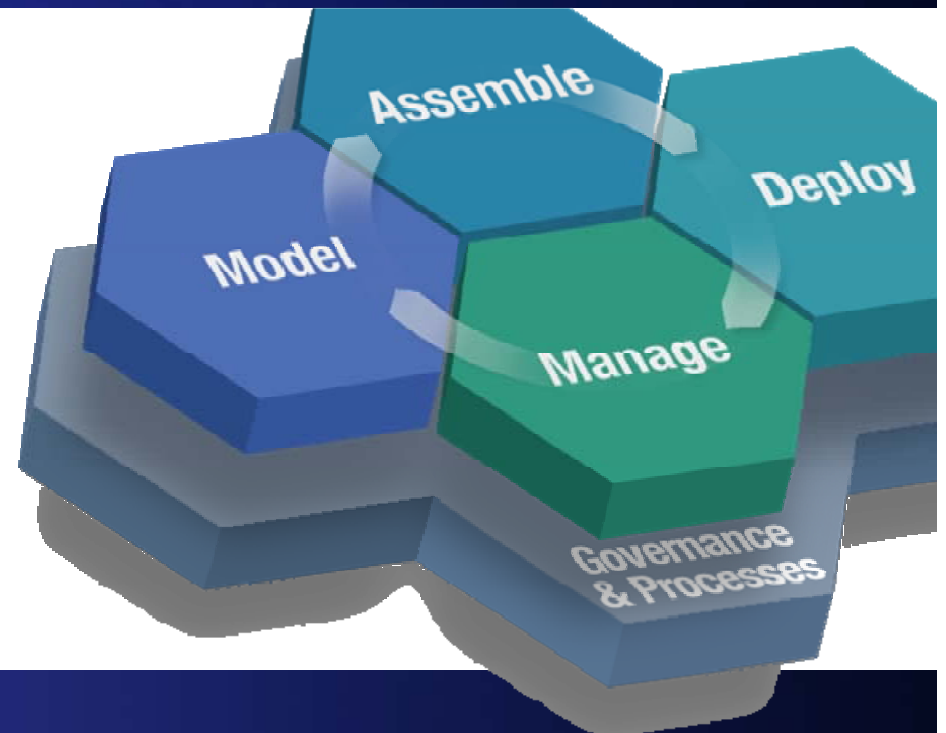


SOA on your terms and our expertise



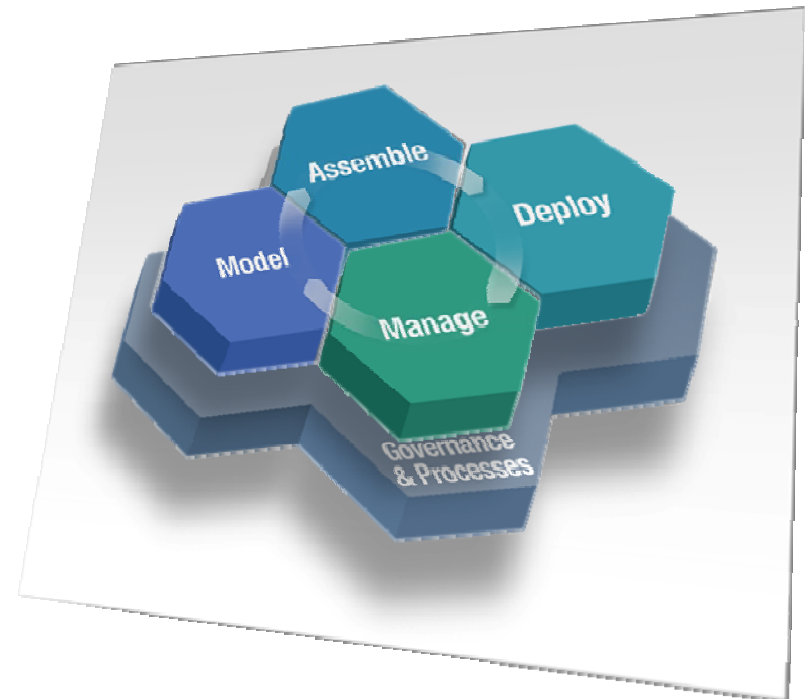
Getting Started with SOA

- A Presentation for
the Enterprise
Architect

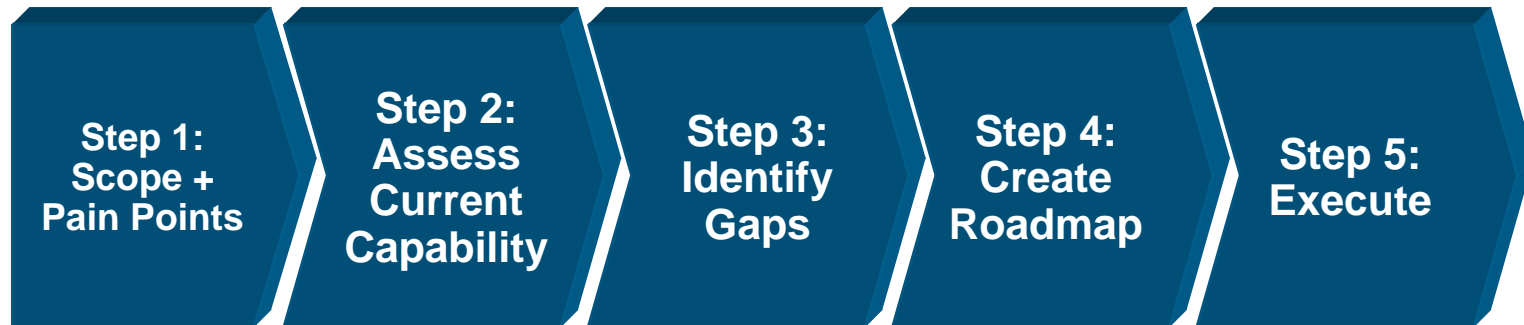


Agenda

- The Adoption Process
- The Pilot Project
- Maturity Assessment
- Incremental SOA Adoption
- IBM Service Offerings



Service Integration Maturity Model: The Process

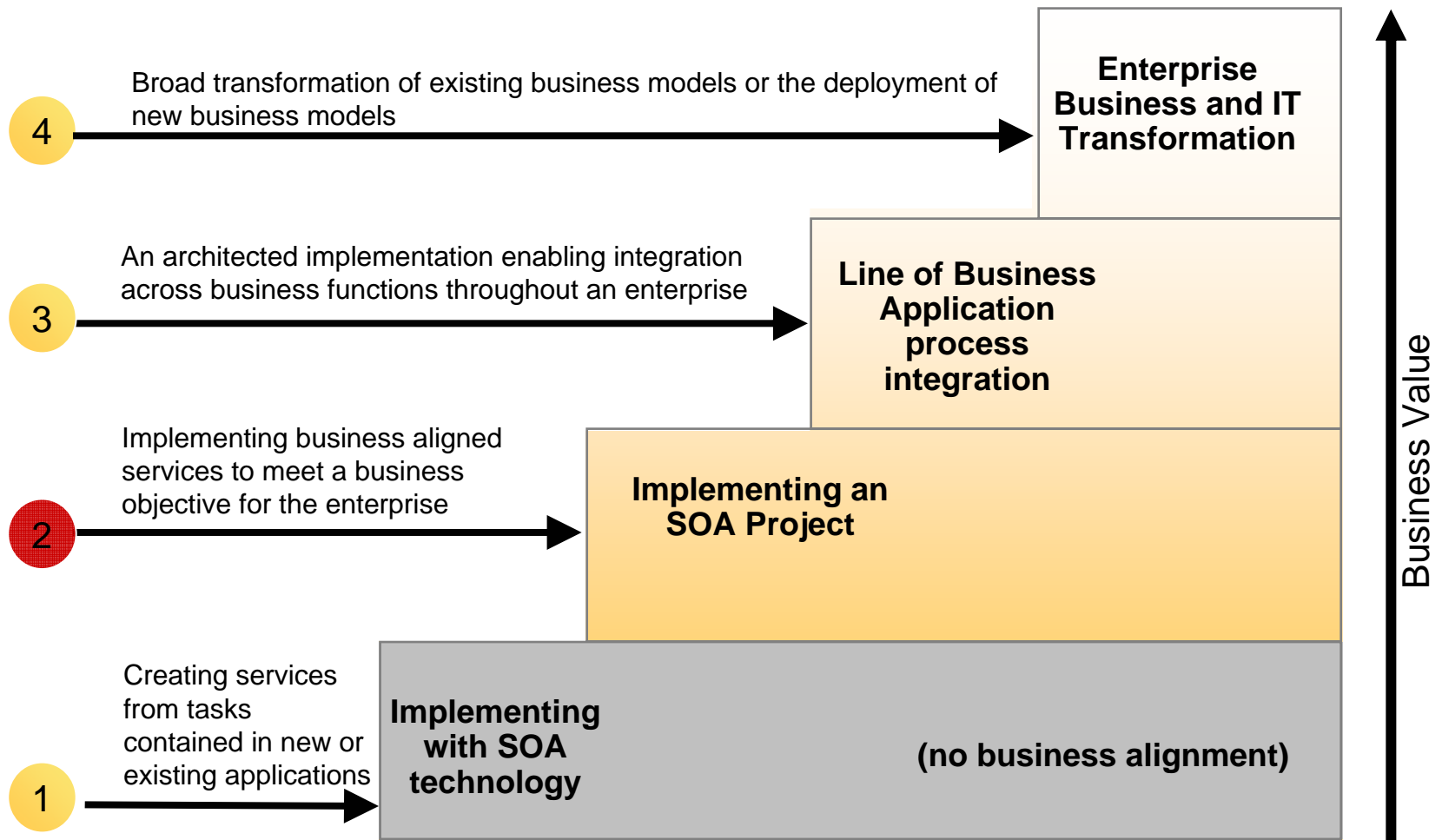


Each organization is different, but the adoption steps are common:

1. Determine your adoption scope, and its related business challenges (issues, pain points, opportunities)
2. Assess your current SOA capability – where am I today?
3. Identify your SOA capability gaps – where do I need to evolve?
4. Create a Roadmap to guide you through your evolution
5. Execute the Roadmap

Determine Your Scope of Entry

Entry Points Based On Business Priorities



Common Ways to Enter SOA

- Level 1**
- Use SOA technology to solve integration problems
 - Build new technology skills
 - Technology Best practices

- Level 2**
- **Conduct an SOA pilot project**
 - Outsource/Integrate a Partner Service
 - Turn existing assets into business services
 - Build new technology skills
 - **Service Governance**
 - Architectural decisions
 - Best practices and guidelines for service development

- Level 3**
- **Common business services identification**
 - Consolidate redundancies
 - Implement an ESB
 - **Service Governance**
 - Build a 'Reference' SOA
 - Service Catalog Mgt.
 - Information Management

- Level 4**
- **General decomposition of business into processes and business services**
 - **Service modeling and process modeling**
 - **Architectural decisions**

What to Look for in a Pilot Project

A pilot project for SOA should

1. Address a well understood Business problem
2. Include issues of Governance (relating to the scope chosen)
3. Have SOA related infrastructure requirements
4. Require an achievable stretch beyond current capabilities where gaps exist (skills, processes etc.)
5. Be something you will put into production

Some Pilot Examples:



A service in front of my Loyalty System lets my customers consume points through partners.



I outsourced a non-critical business service.



I enabled multi-channel access to a key business service.



I expanded my market by putting an industry standard interface on my proprietary application.

SOA Key Practices: How Capable Are You?

SOA Aligned Processes

- Service Business Alignment
- Governance of Services
- IT Processes
- Services Oriented A&D
- Operational Model

SOA Aligned Infrastructure

- Services Management
- Services Security
- Web Services Technologies
- Operational Model

SOA Aligned Applications

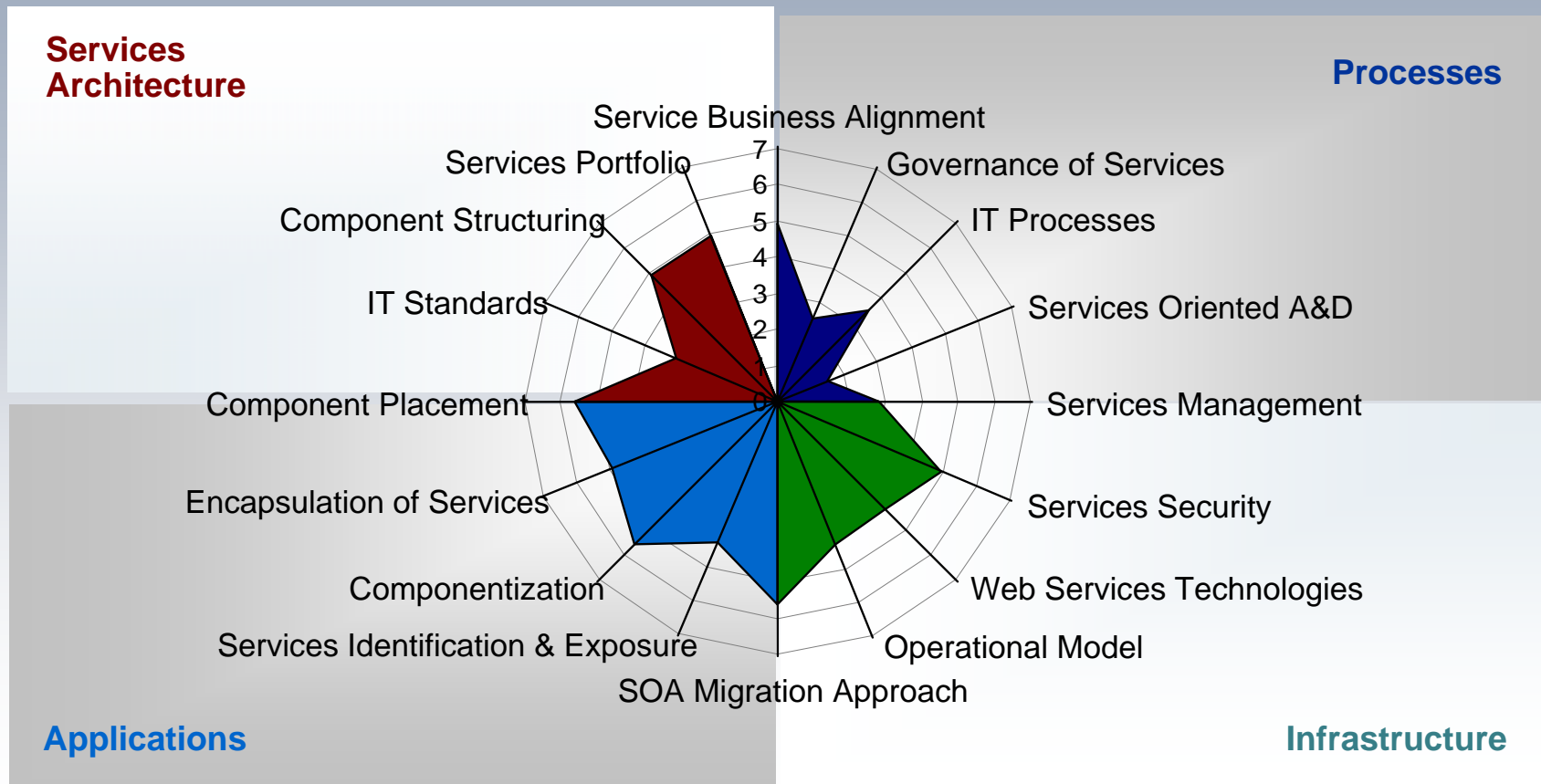
- SOA Migration Approach
- Services Identification & Exposure
- Componentization
- Encapsulation of Services

SOA Aligned Services Architecture

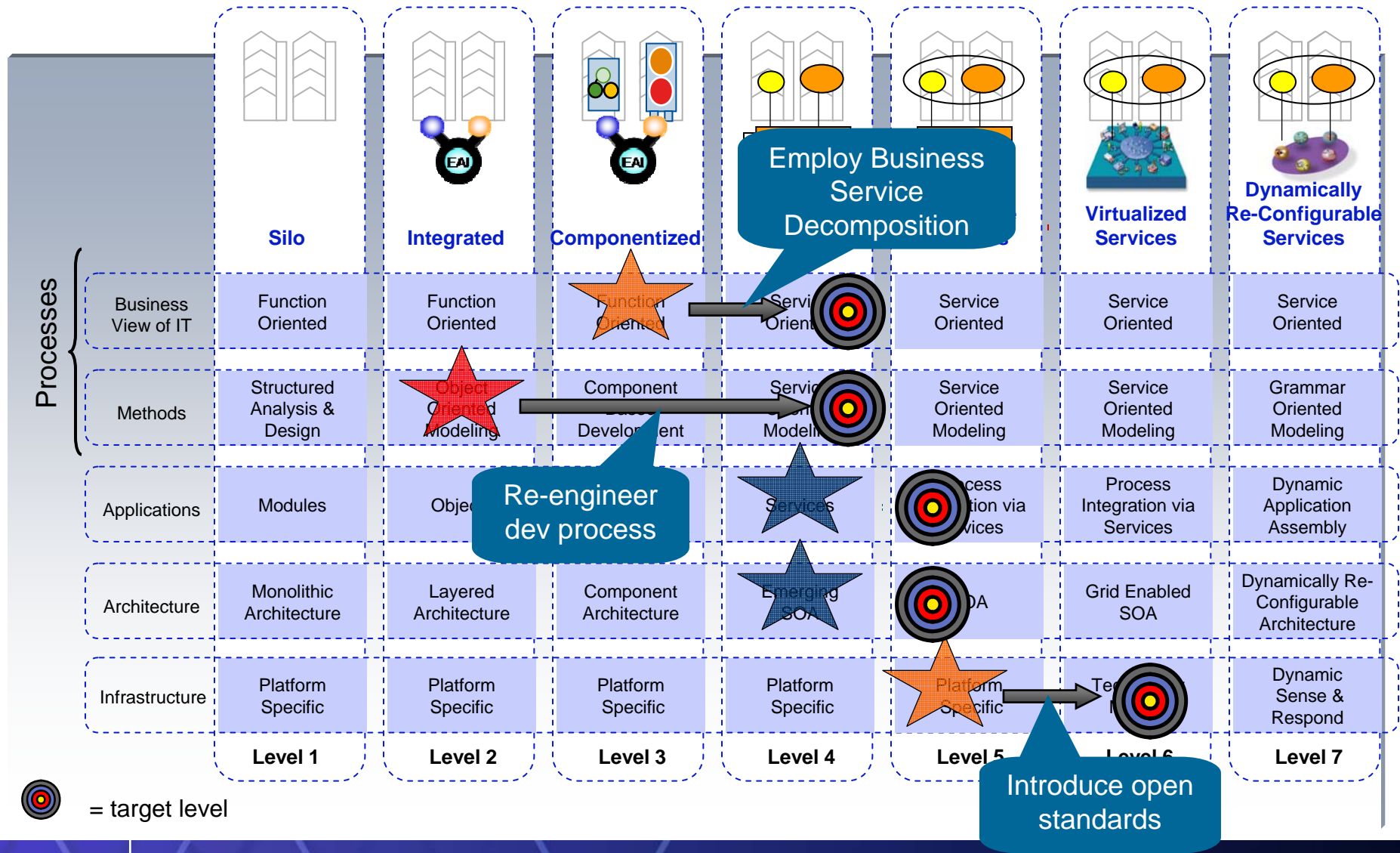
- Component Placement
- IT Standards
- Component Structuring
- Services Portfolio

SOA Capabilities Maturity Chart

SOA Capability Assessment Results

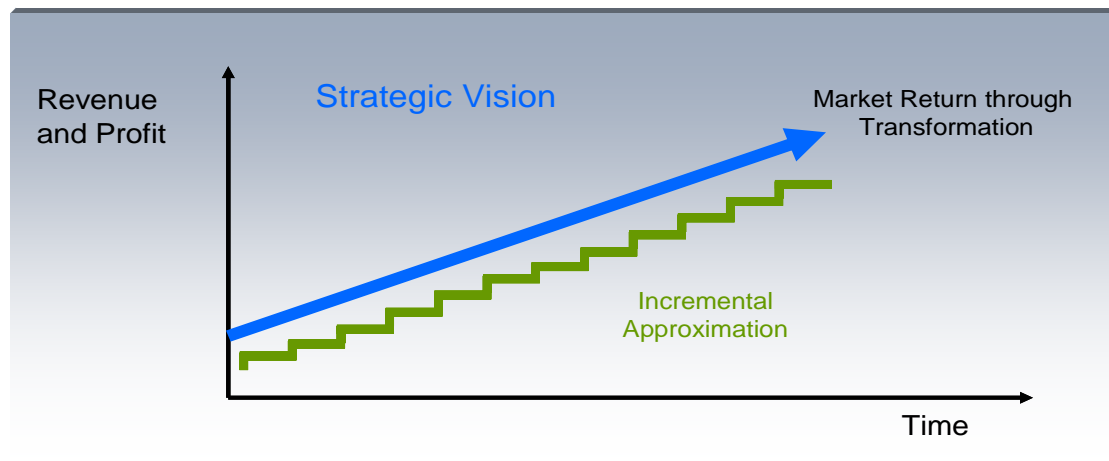


Service Integration Maturity Model Helps Identify Gaps



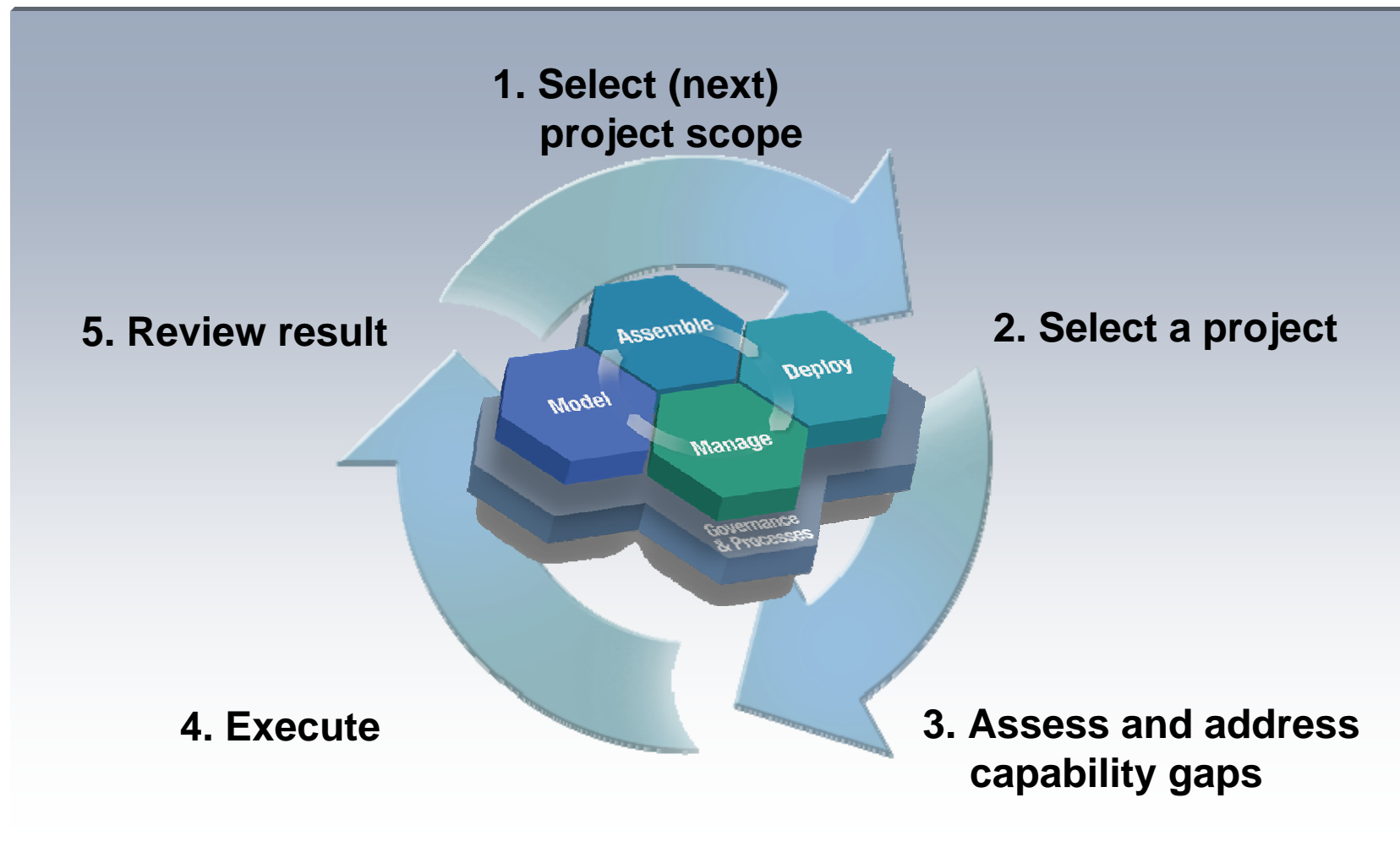
SOA Roadmap: A Plan for Adopting SOA

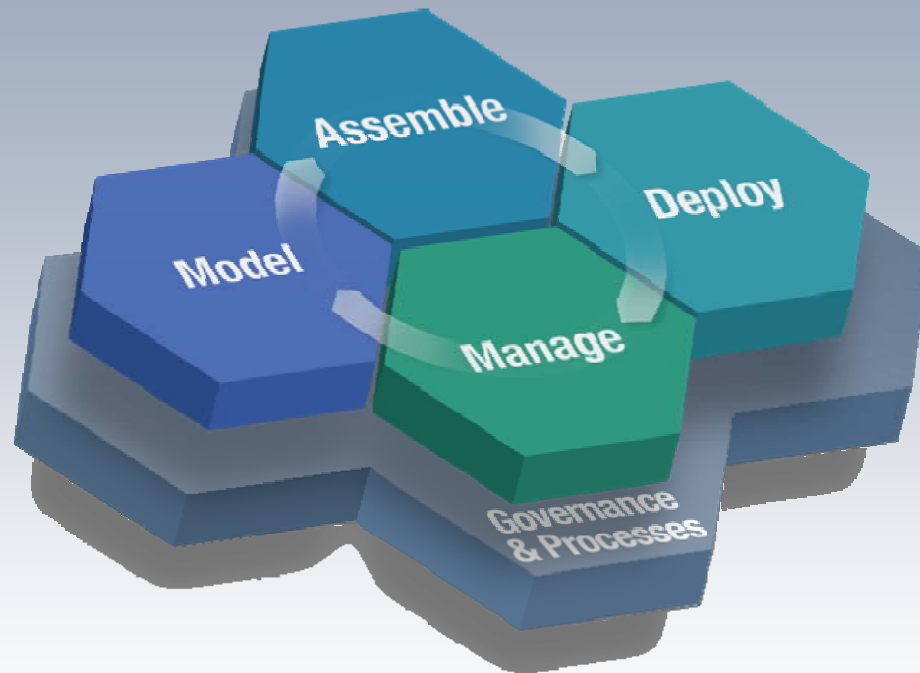
- SOA Goal
 - Market return through transformation: quicker time to production, lower costs, competitive differentiation



- Two Primary Roadmap Perspectives
 - ✓ Strategic Vision
 - Business and IT statement of direction which can be used as a guideline for decision making, organizational buy-in, standards adoption
 - ✓ Project Plans
 - Implementation projects to meet immediate needs of the current business drivers

Adoption is Iterative and Incremental





IBM SOA Offerings

IBM SOA Self-Assessment Tool: Actionable Results

IBM SOA Self-Assessment

Process

The process category is used to assess the distinct business and IT processes necessary to meet the desired quality of service attributes for SOA.

Responses Selected:

- Organization has experience in architecture, design and

Maturity Level:
You are at the first level of maturity - Connect. At this level you are aware or learning about the services and components required to support an SOA.

1. Process Improvement Workshop from IBM. Getting skills and manpower at no charge or model one of your business processes as it is today and experiment with simulated modifications of the process to help find ways to make the process more efficient.
2. You are likely using a programmatic layer providing common messaging based integration between applications. You should consider the added scalability of an enterprise service bus.
3. Evaluate your I/T systems and identify systems that need to be exposed as services and focus on them as a step in moving to SOA.
4. Investigate messaging solutions including JMS and Web Services.

- User receives specific, actionable recommendations customized to the calculated level of SOA maturity
- Maturity level is mapped to Business Integration Adoption model for each category of question
- IBM specialists available to assist interpretation and next steps

IBM SOA Self-Assessment Tool: Your Roadmap

Receive actionable recommendations customized to your level of SOA maturity

SOA Readiness Assessment - Microsoft Internet Explorer

IBM SOA Readiness Assessment

Questions Maturity Insights Lifecycle

Application 1 2 3 4

3.4 Which statement best describes your organization's ability to create new applications from existing services?

- Currently we are not able to services.
- We are beginning to create services having the desired
- We often create new solution business.
- We often create new solution and at the enterprise level.

<< Previous Question

Print Help

SOA Readiness Assessment - Microsoft Internet Explorer

IBM SOA Readiness Assessment

Questions Maturity Insights Lifecycle

Capabilities Gap Analysis

Maturity Level Analysis

Architecture

The architecture assessment category to assess the current or planned services that make up the services layer in the SOA.

● Architecture Maturity Level

You are at the second level of Integrate. At this level you have the business and IT processes to support the full life cycle.

Optimize

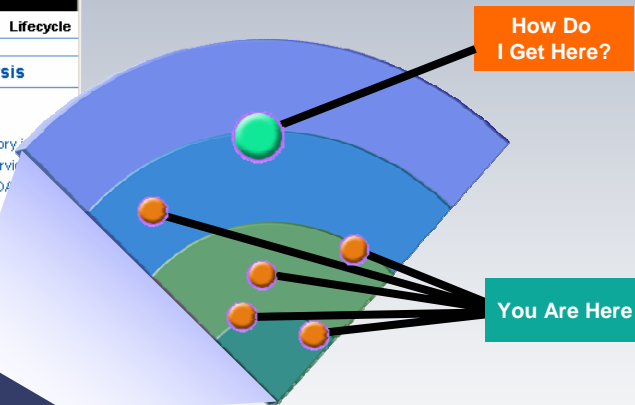
Automate

Integrate

Connect

close

Print Help ON DEMAND BUSINESS



Find out at ibm.com/soa

Get Started Today! Three Ways to Help You!

Client Architecture Readiness Evaluation

- Review business/IT Initiatives and architecture alignment
- Evaluate enterprise architectures SOA support readiness
- Analyze governance maturity
- Provide SOA-based solution adoption roadmap

2 to 4
weeks

Free!

SOA Jumpstart

- Multi-day on-site session
- Available worldwide at no charge
- Skill development and governance
- Integration architecture workshop
- Actionable next steps

2 – 3
days

Free!



Get Started with SOA Service Offering

- Full lifecycle SOA expert consultants
- Leverage deep product expertise, patterns, and best practices
- Enable and mentor your organization
- Assistance with all phases from assessment to production

Comprehensive SOA Professional Services

IBM SOA Transformation Roadmap

Component Business Modeling (CBM)

IBM's Service-Oriented Architecture Services [new]

Business Enablement Services for SOA

- Assessment for SOA
- Strategy & Planning for SOA
- Service-Oriented Modeling & Architecture (SOMA)
- COE & Governance

Design Services for SOA

- Web Services Assessment
- Architecture & Planning for Web Services
- Service-Oriented Modeling & Architecture (SOMA)

Implementation Services for SOA

- Service-Oriented Development
- Service-Oriented Integration

Management Services for SOA

- Service Monitor
- Service Security
- Service Performance
- Business Requirements Verification

Application Value Optimization Services [new]

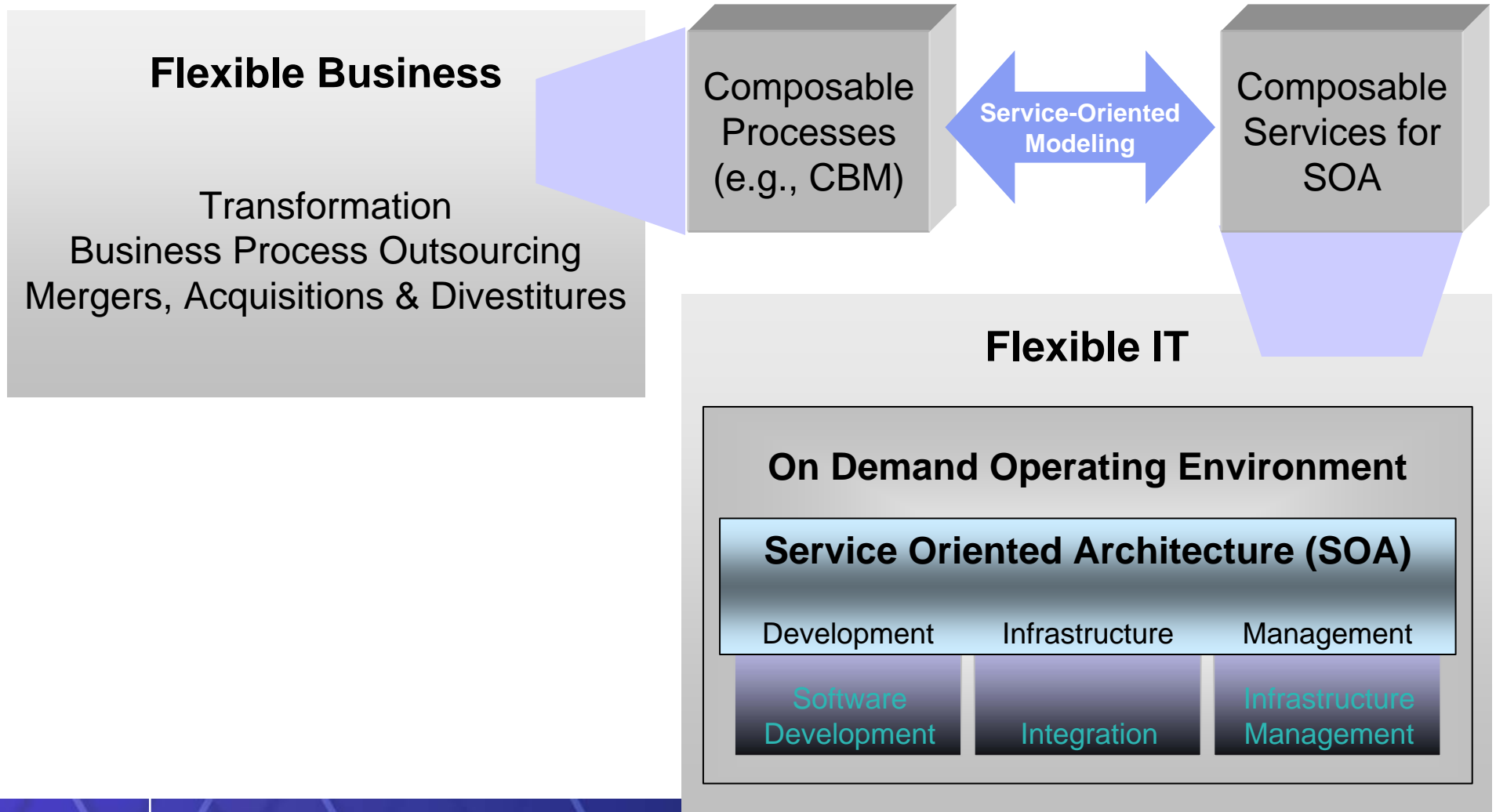
Integrated Technology Services

Infrastructure Service Readiness Engagements
 Infrastructure Services Architecture & Design

SOA Forum
 April 2005

Flexible Business Requires Flexible IT

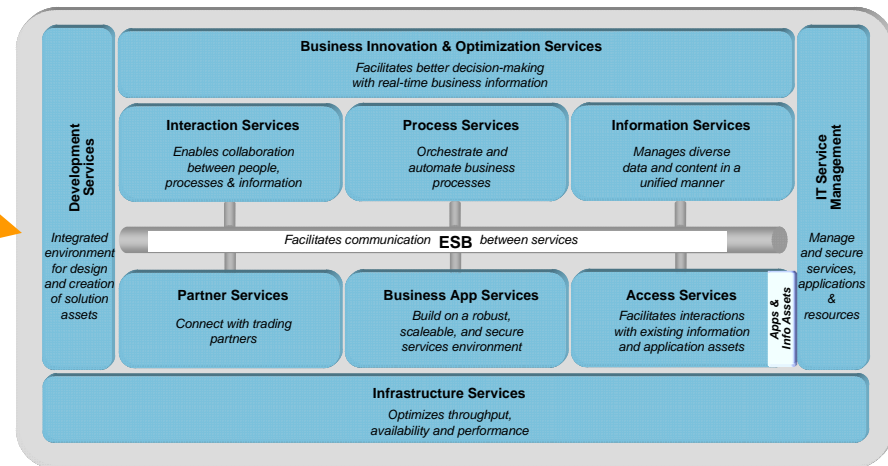
Service-Oriented Modeling and Architecture Provides In-depth Guidance on How to Move from Business Models to the Models Required by an SOA



Flexible Business Requires Flexible IT

Service-Oriented Modeling and Architecture Provides In-depth Guidance on How to Move from Business Models to the Models Required by an SOA

	Develop New Markets and Products		Acquire and Manage Customers			Develop and Provide Network Services			Manage Enterprise	
	Marketing	New Product Development	Sales	Customer Management and Care	Billing and Collections	Provisioning & Fulfillment	Service Assurance	Network Resource Development	Business Management	
Planning and Analysis	Market and Brand Strategy	Product Portfolio Planning Partner Product Dev. Strategy	Sales Change Strategy Alliance Strategy	Customer Care Strategy		Fulfillment and resource Planning	Service Assurance and Stress Planning	Technology and Resource Strategy and Capacity Planning	Strategic Enterprise Planning Supply Chain/Value Net Strategy Stakeholder Mgmt/ Legal and Regulatory	
	Brand Management	Product Development and Retirement	Sales, Channel, and Alliance Management Account Planning	Customer Care Management	Billing & Collections Management	Service Assurance	Service Management	Network Resource Management	Stakeholder Mgmt/ Legal and Regulatory	
Tactics (Direction and Control)	Marketing Communications, Advertising and Promotion	Service Development and Retirement	Loyalty and Retention	Customer Interface Management	Customer Contact Operations	Order Handling	Supplier/ Partner Registration & Management	Enable resource provisioning (Engineering and Construction)	HR Management Procurement Technology Management (IT, B&C, Disaster Recovery) Stakeholder and External Relations Management	
	Marketing Research and Analysis Customer Analytics and product marketing	Service Development and Retirement	Customer Interface Management	Customer Contact Operations	Customer Contact Operations	Order Handling	Supplier/ Partner Registration & Management	Enable resource provisioning (Engineering and Construction)	HR Management Procurement Technology Management (IT, B&C, Disaster Recovery) Stakeholder and External Relations Management	
Operate and execute	Execute Campaigns and market fulfillment	Launch Product	Sales	Problems Handling and Resolution	Supplier/ Partner Settlement and Billing	Provisioning	Service Assurance Management	Service Testing and performance management Inventory Management	HR Management Procurement Technology Management (IT, B&C, Disaster Recovery) Stakeholder and External Relations Management	



The IBM Component Infrastructure Roadmap:

An Approach for Planning Your On Demand Operating Environment

- Facilitates long-term planning for on demand transformation
- Identifies required IT change to achieve business and IT objectives
- Allows you to capitalize on IBM's expertise and experience in building On Demand Business

The process is manageable—and incremental


- Clarify direction
- Establish a starting point
- Prioritize IT objectives
- Map the adoption process
- Measure progress





SOA Skills Development – SOA Architect Role

SOA Architecture


Course: Introduction to the Value and Governance Model of Service-Oriented Architecture 
Code: SW717
URL: <http://www.ibm.com/developerworks/websphere/education/enablement/wbt/sw717.html>

Course: Design SOA Solutions and Apply Project, Technical, and Operational Governance 
Code: SW718
URL: <http://www.ibm.com/developerworks/websphere/education/enablement/wbt/sw718.html>

Course: Technologies and Standards for Service-Oriented Architecture Project Implementation 
Code: SW719
URL: <http://www.ibm.com/developerworks/websphere/education/enablement/wbt/sw719.html>

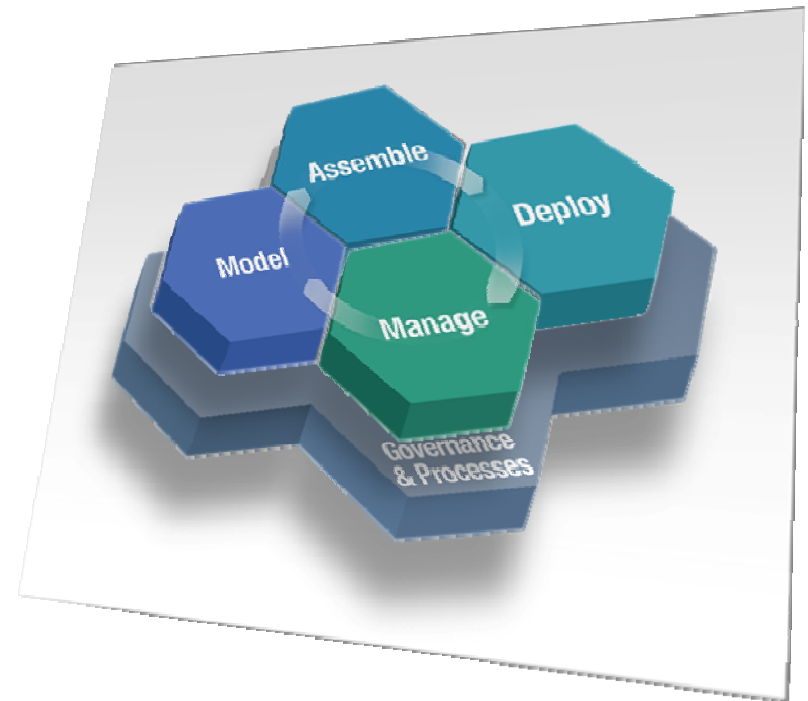
Legend	
	Audio tape
	CD-ROM
	Certification
	Classroom
	Instructor Led Online
	Prerequisite
	Publication
	Teleconference
	Web-based

4 Enterprise Service Bus

Course: Implementing ESB Solutions using IBM WebSphere products 
Code: SW340
Duration: 3 days

Summary

- Identify a pilot project
- Assess and address capability gaps:
 - Skills
 - Processes
 - Architecture
 - Infrastructure
 - Applications
- Execute the project
- Approach adoption incrementally
 - Introduce infrastructure, processes as needed – SOA is not about infrastructure and processes, it's about enabling organizations to be agile in solving business problems.
- IBM is here to help



धन्यवाद

Hindi

多謝

Traditional Chinese

ขอบพระคุณ

Thai

Спасибо

Russian

Gracias

Spanish

شكراً

Arabic

Thank You

Obrigado

Brazilian Portuguese

Danke

German

Grazie

Italian

多谢

Simplified Chinese

Merci

French

நன்றி

Tamil

감사합니다

Korean

ありがとうございました

Japanese

IBM SOA Architect Summit



SOA on your terms and our expertise