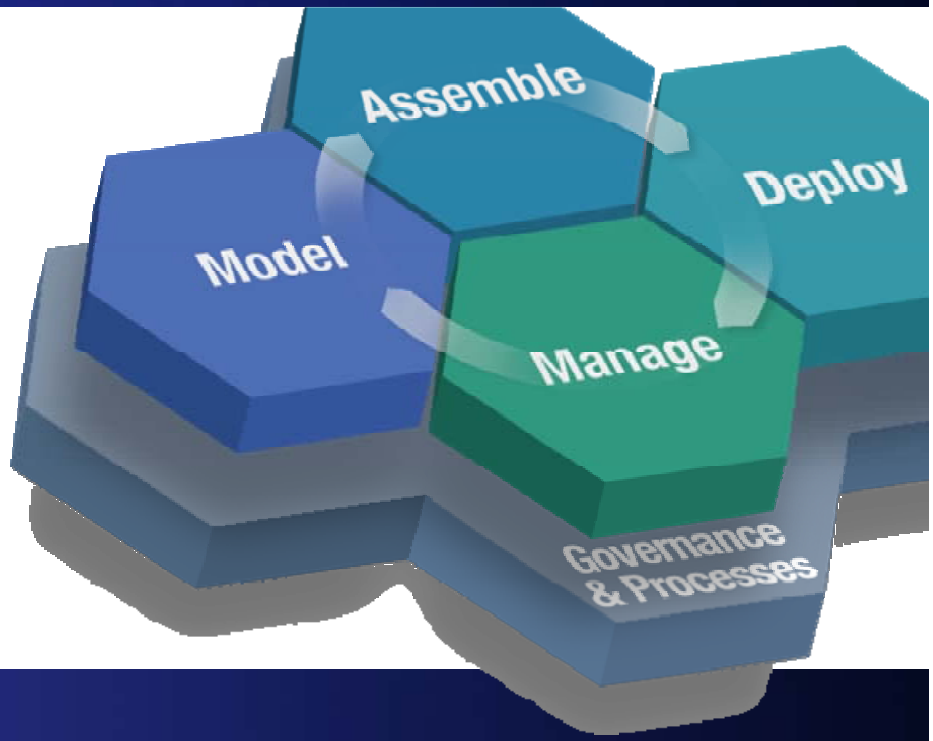
IBM SOA Architect Summit

SOA on your terms and our expertise

IBM SOA Architect Summit

Getting Started with SOA



- A Presentation for the Enterprise Architect

ON DEMAND BUSINESS™

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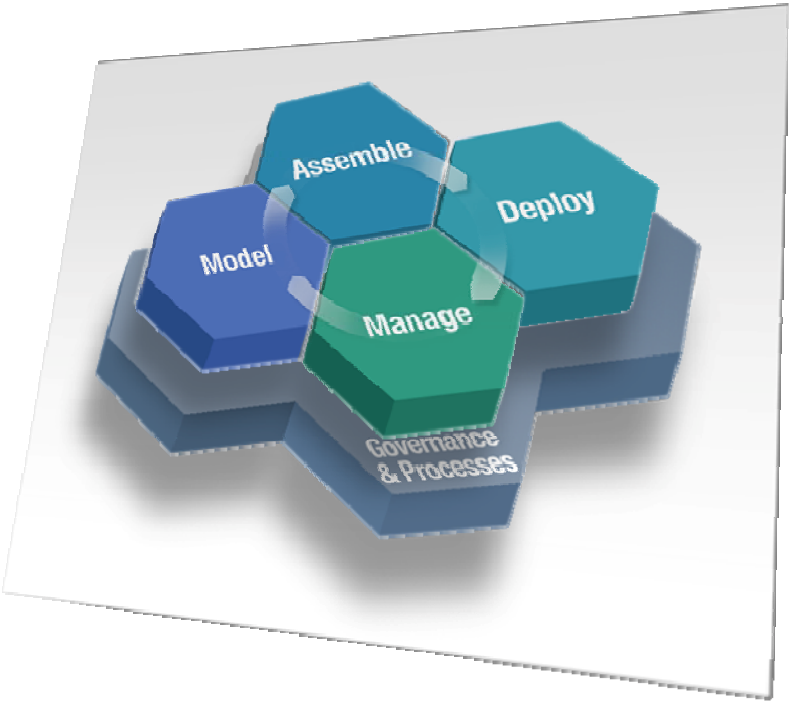
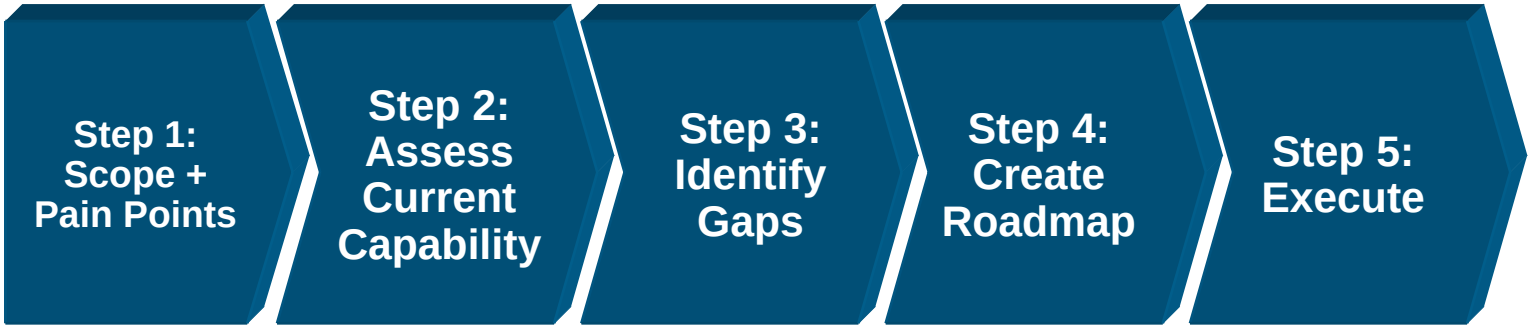
Agenda

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



Service Integration Maturity Model: The Process

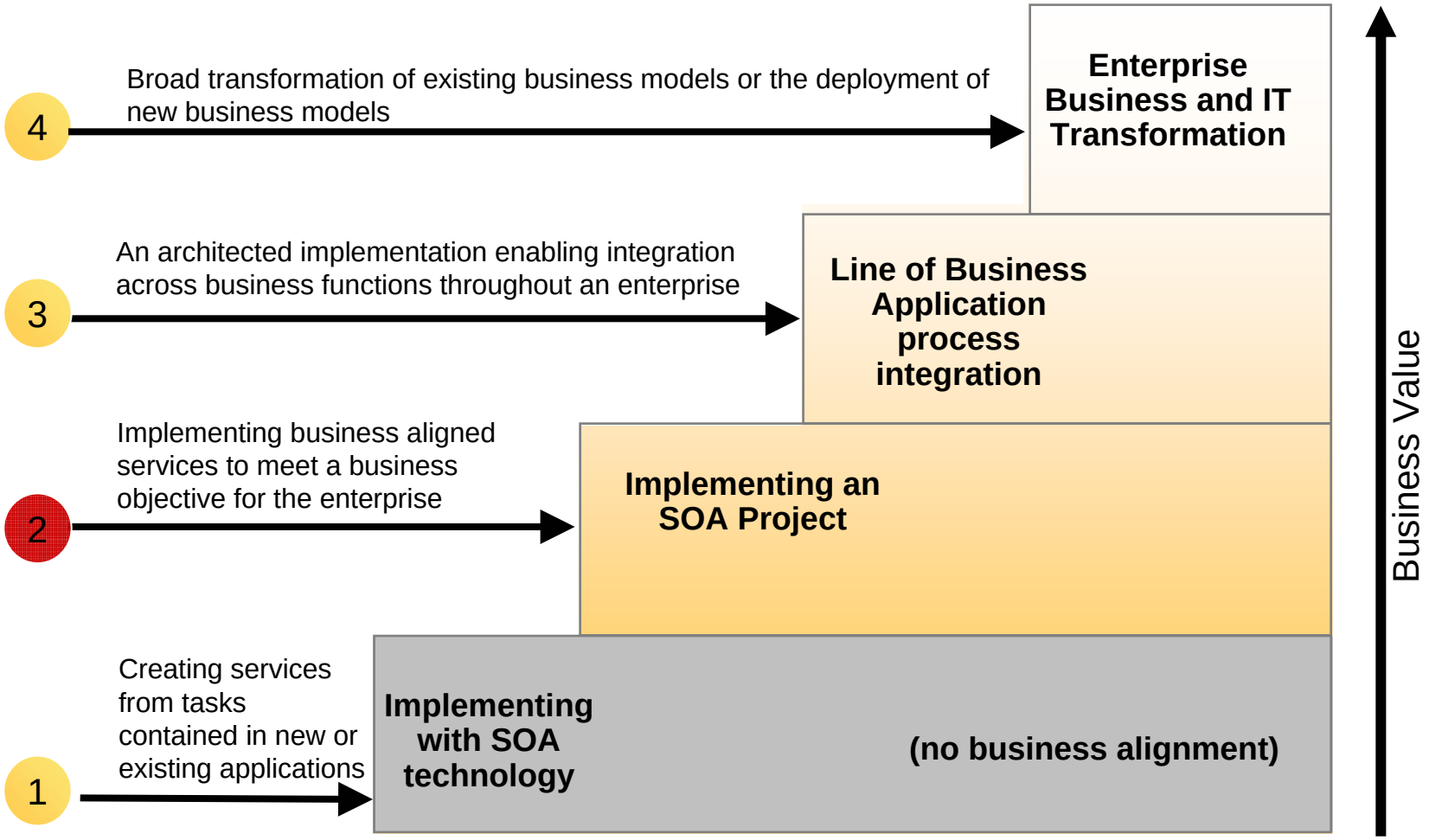


Each organization is different, but the adoption steps are common:

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

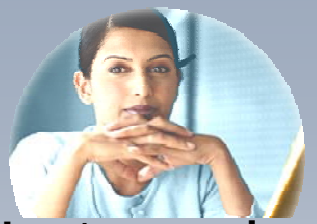
What to Look for in a Pilot Project

A pilot project for SOA should

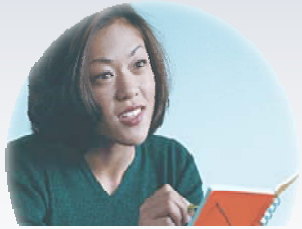
1. Address a well understood Business problem
2. Include issues of Governance (relating to the scope chosen)
3. Have SOA related infrastructure requirements
4. Require an achievable stretch beyond current capabilities where gaps exist (skills, processes etc.)
5. Be something you will put into production

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

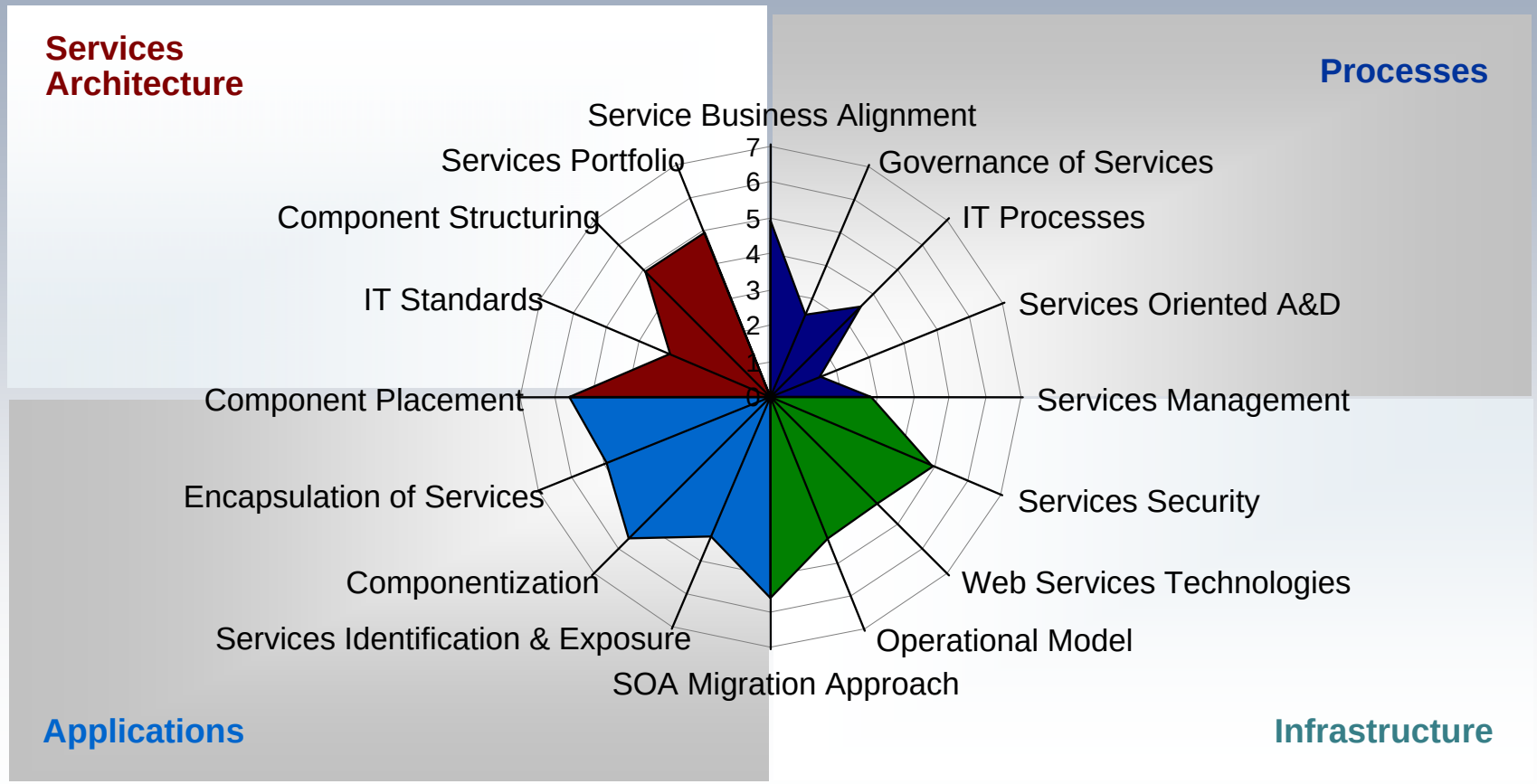
SOA Aligned Applications
- SOA Migration Approach
- Services Identification & Exposure
- Componentization
- Encapsulation of Services

SOA Aligned Infrastructure
- Services Management
- Services Security
- Web Services Technologies
- Operational Model

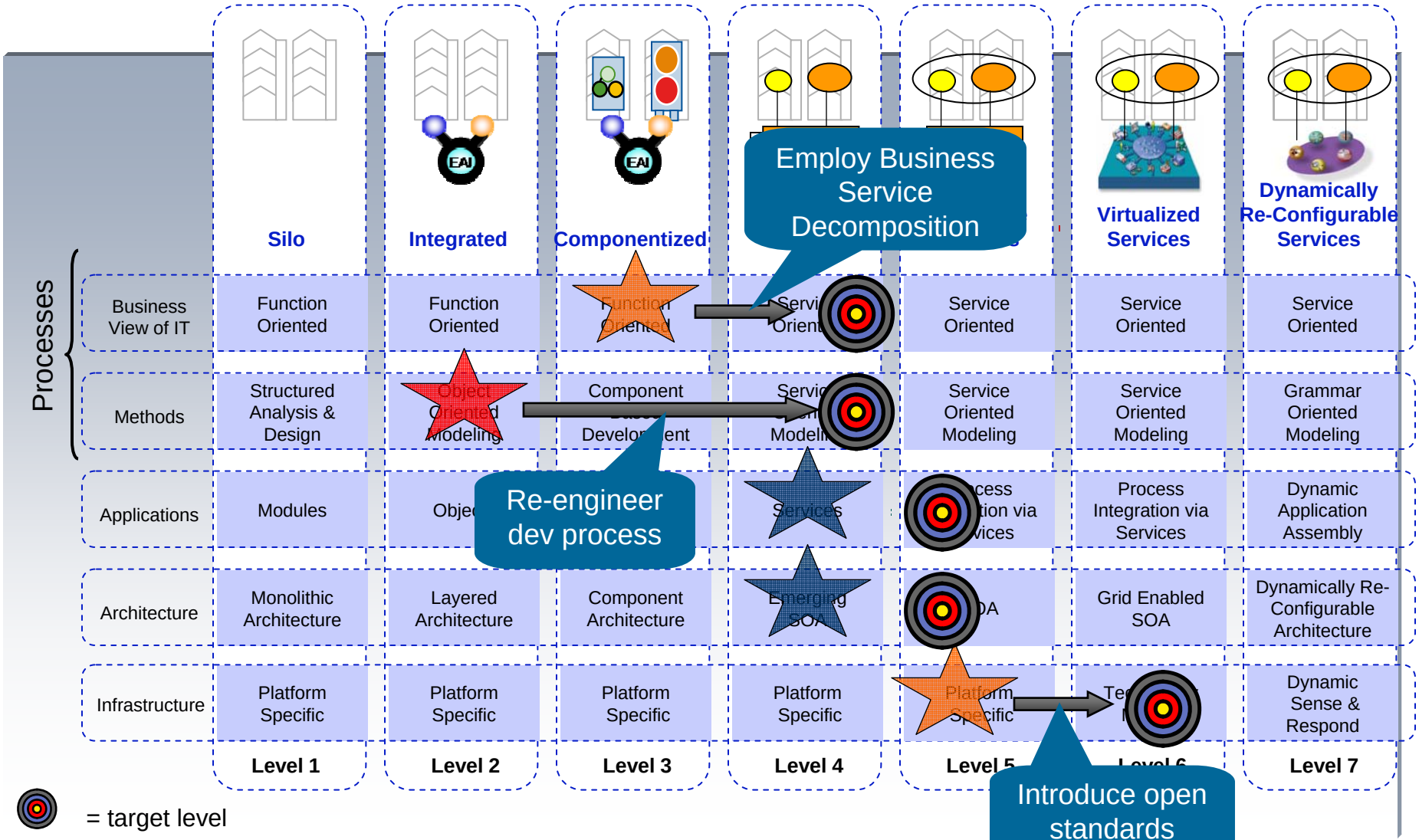
SOA Aligned Services Architecture
- Component Placement
- IT Standards
- Component Structuring
- Services Portfolio

SOA Capabilities Maturity Chart

SOA Capability Assessment Results

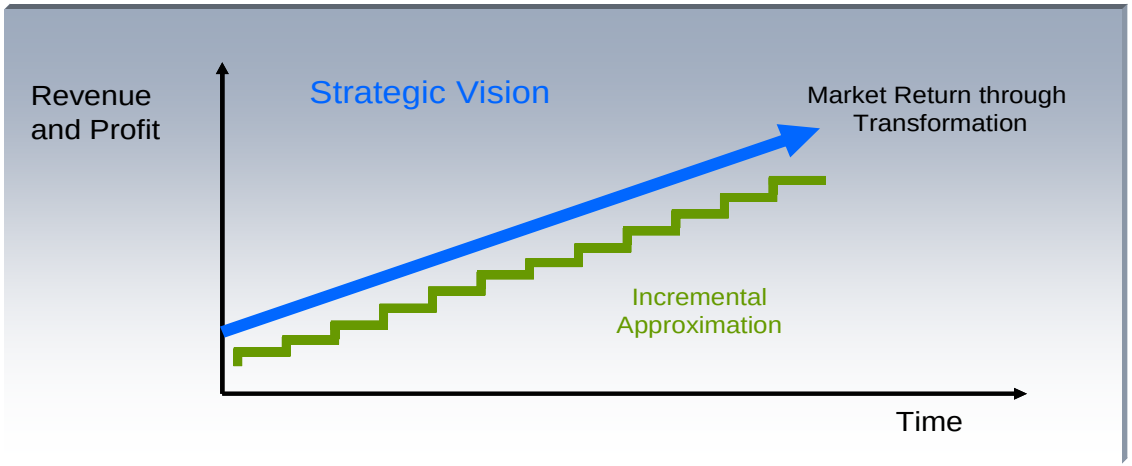


Service Integration Maturity Model Helps Identify Gaps



SOA Roadmap: A Plan for Adopting SOA

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

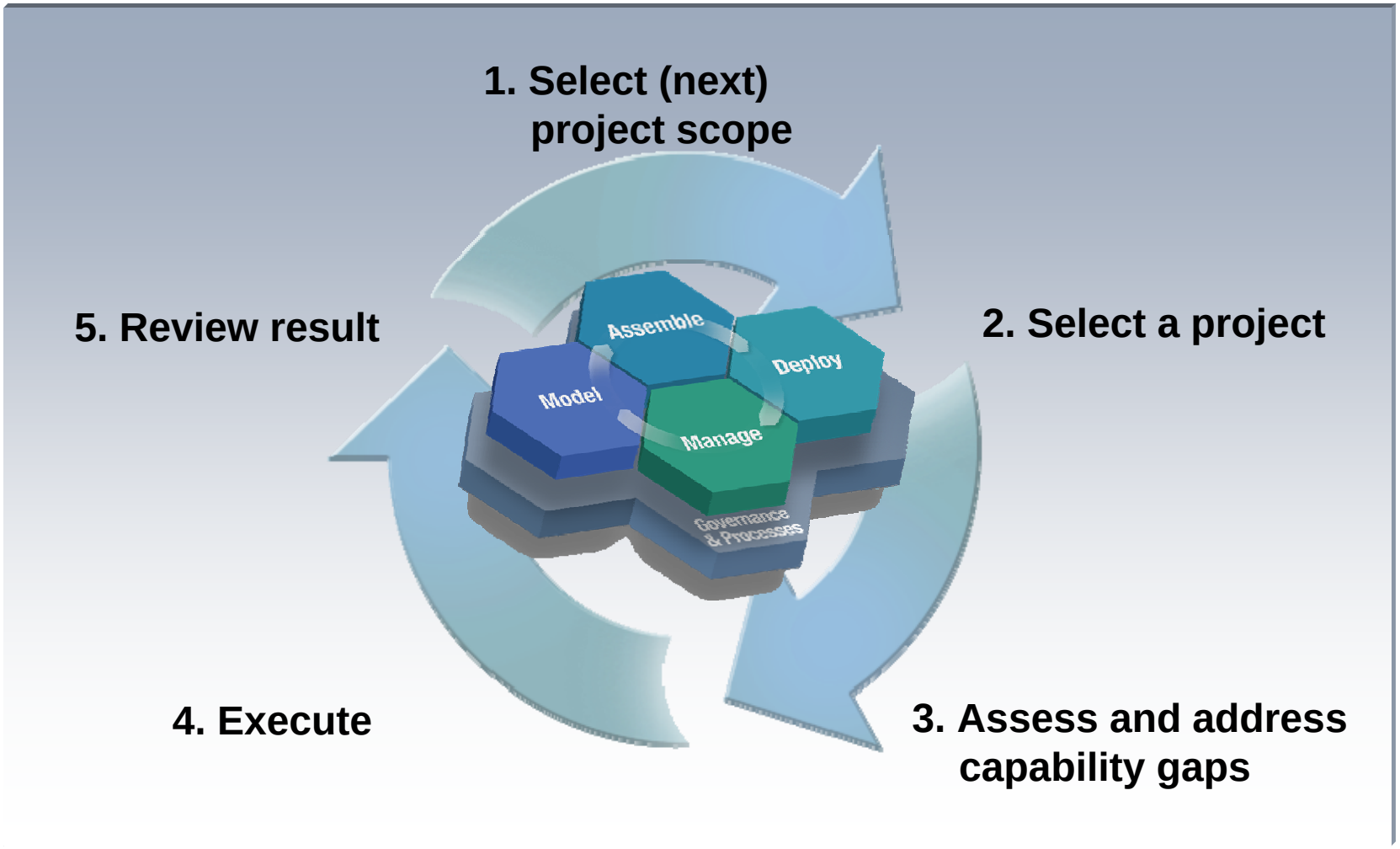


  - Two Primary Roadmap Perspectives
  - ✓ Strategic Vision

    Business and IT statement of direction which can be used as a guideline for decision making, organizational buy-in, standards adoption
  - ✓ Project Plans

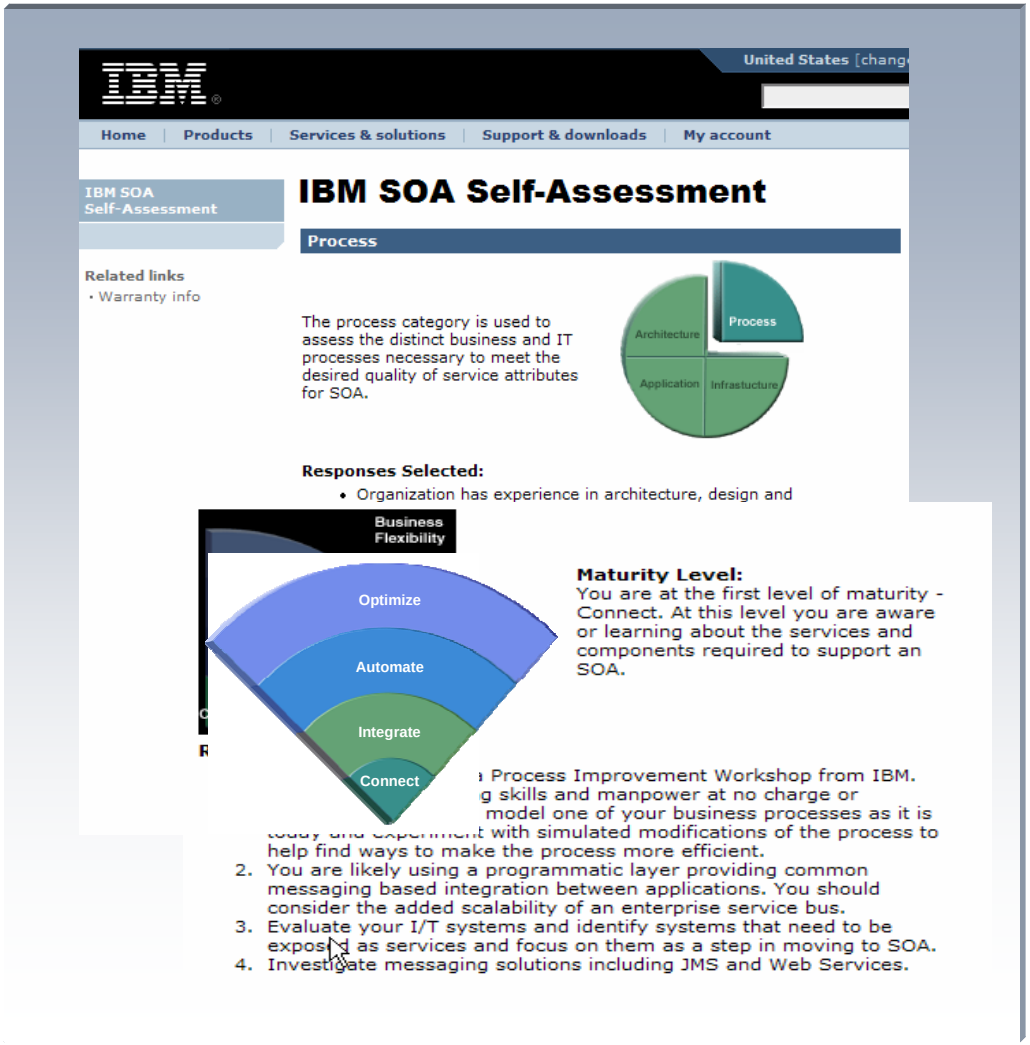
    Implementation projects to meet immediate needs of the current business drivers

Adoption is Iterative and Incremental



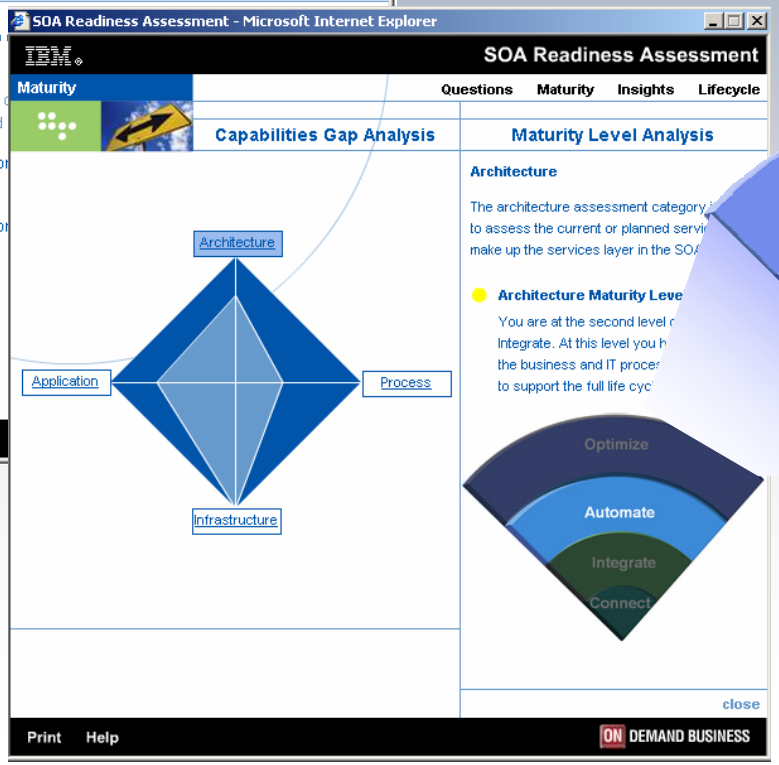
IBM SOA Offerings

IBM SOA Self-Assessment Tool: Actionable Results

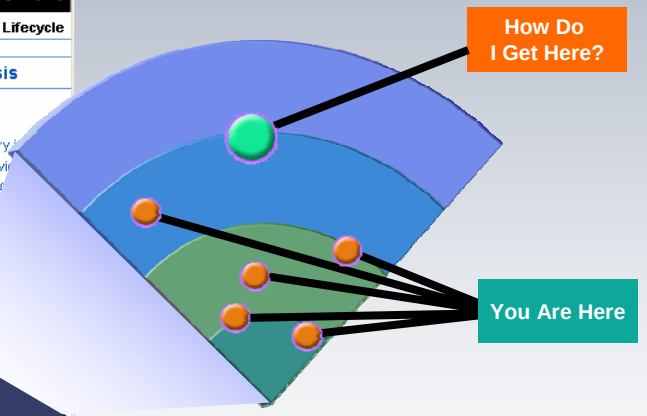


- User receives specific, actionable recommendations customized to the calculated level of SOA maturity
- Maturity level is mapped to Business Integration Adoption model for each category of question
- IBM specialists available to assist interpretation and next steps

IBM SOA Self-Assessment Tool: Your Roadmap



Receive actionable recommendations customized to your level of SOA maturity



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

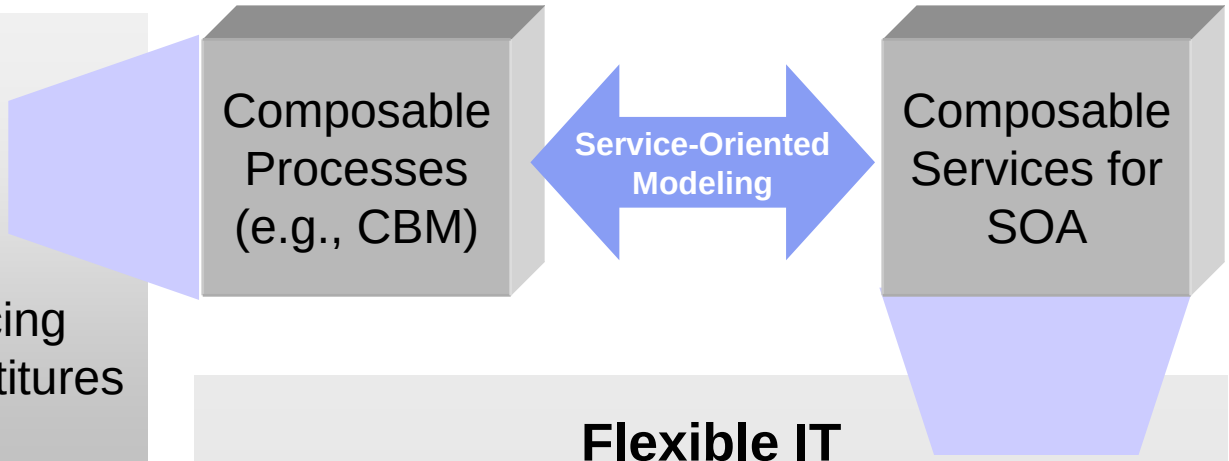
Infrastructure Service Readiness Engagements
Infrastructure Services Architecture & Design

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

Transformation
Business Process Outsourcing
Mergers, Acquisitions & Divestitures



Flexible IT

On Demand Operating Environment

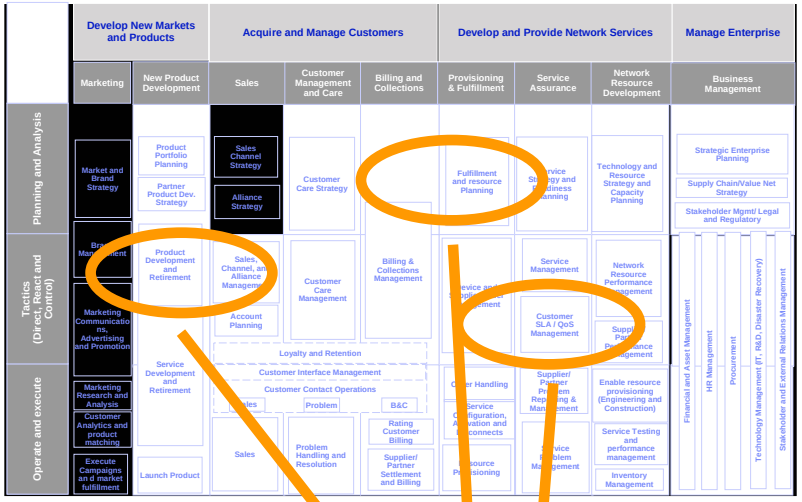
Service Oriented Architecture (SOA)

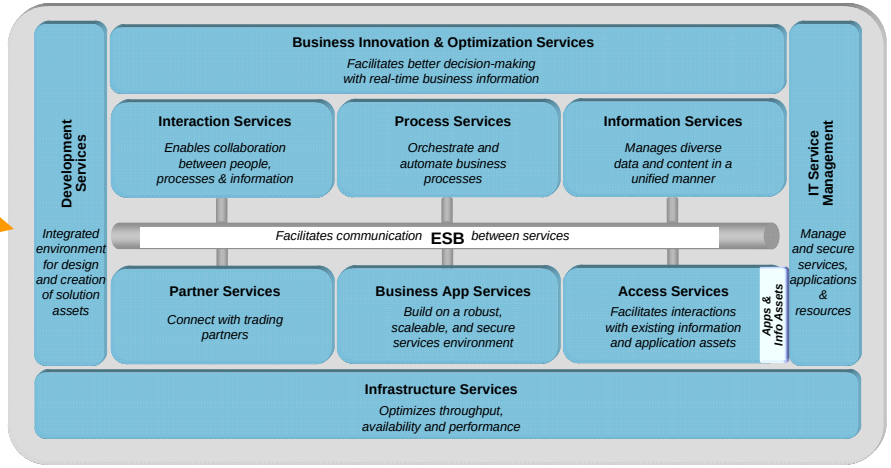
Development | Infrastructure | Management

Software Development | Integration | Infrastructure Management

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





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

4 Enterprise Service Bus

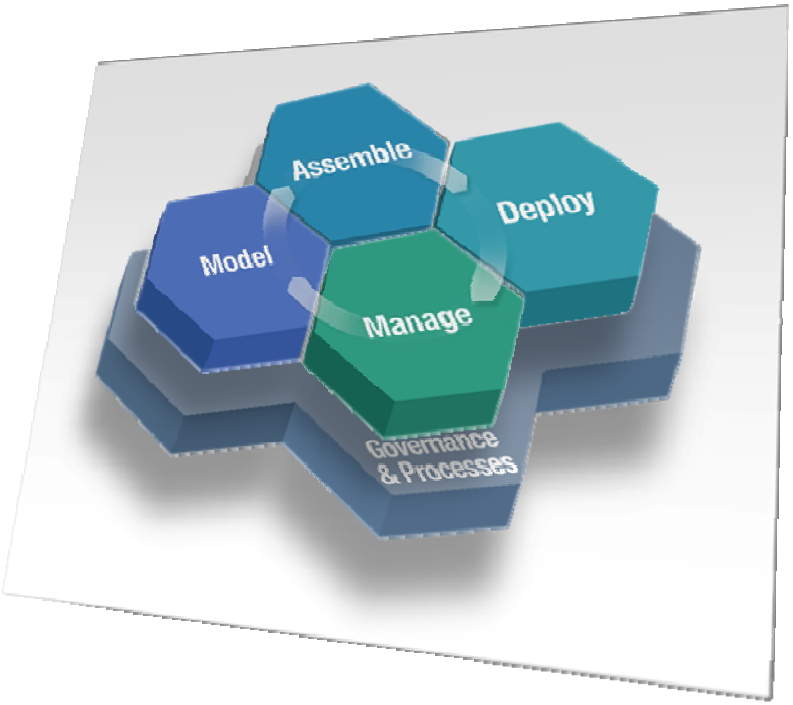
Course: Implementing ESB Solutions using IBM WebSphere products
Code: SW340
Duration: 3 days

Legend

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

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

ขอบคุณ
Thai

Спасибо
Russian

Gracias
Spanish

Thank You

شكرا
Arabic

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

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SOA on your terms and our expertise