



IBM SOA

# Advancing SOA Governance

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## The Journey to SOA is filled with potholes

- Most organizations are implementing Service-Oriented Integration not SOA
- SOA is largely an IT effort, LoB is MIA
- Without Senior IT endorsement, many SOA efforts are focused on product selection, i.e., Shelf ware
- Funding to support Enterprise SOA is scarce or non-existent
- With no oversight comes no reuse and no relevance
- Oversight mechanisms lack teeth; projects evade the processes
- Inconsistent standards, drive inconsistent methodology, competing tools, and a lack of skilled resources
- Organizations are replacing silo'd applications with silo'd SOA

# Proper Governance helps extract maximum business value from Service-Oriented Architecture

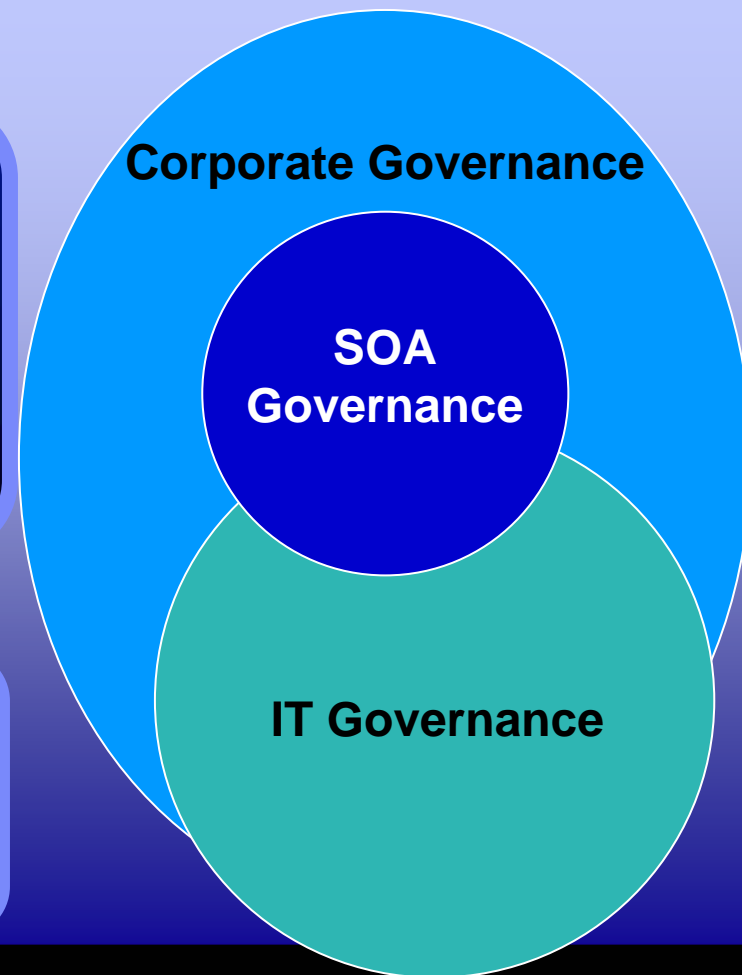
## What is Corporate Governance?

Chains of responsibility, authority & communications to **empower** people

Policy, control and measurement mechanisms to enable people to carry out their roles and responsibilities

## What is SOA governance?

Focused on the **lifecycle of services** to ensure the business value of SOA



## Governance is not just about compliance – it is an enabler of business value

- With the right focus, support and funding, it can be an enabler by
  - Facilitating reuse
  - Prioritizing spending
  - Reducing costs
  - Setting the technology direction
  - **Subsidizing** enterprise-value efforts like Service-Oriented Architecture
  
- Real-world experience shows that effective governance combined with a compelling vision and proactive plan provides big payoffs (*4 hour response vs. 4 day response*).

## SOA Governance is not an "afterthought"; it matters because without it success is not achievable

In 2006, lack of working governance mechanisms in midsize-to-large (greater than 50 services) post-pilot SOA projects will be the most common reason for project failure (0.8 probability). *(Gartner)*

Focus on business benefits of SOA  
Add flexibility to business process  
Improve time to market

SOA governance isn't optional- it's imperative. Without it, ROI will be low and every SOA project out of pilot phase will be at risk. *(Gartner)*

Mitigate risk and regain control  
Maintain quality of service  
Ensure consistency of service

*Professional investors are willing to pay premiums of 18-26% for stock in firms with high corporate governance.*  
*(McKinsey Quarterly)*

Improve team effectiveness  
Measure the right things  
Communicate clearly between business and IT

## SOA Governance matters to IBM CIO's office

*Establish process and policy, then govern lifecycle*

IBM adopted SOA Governance as a framework

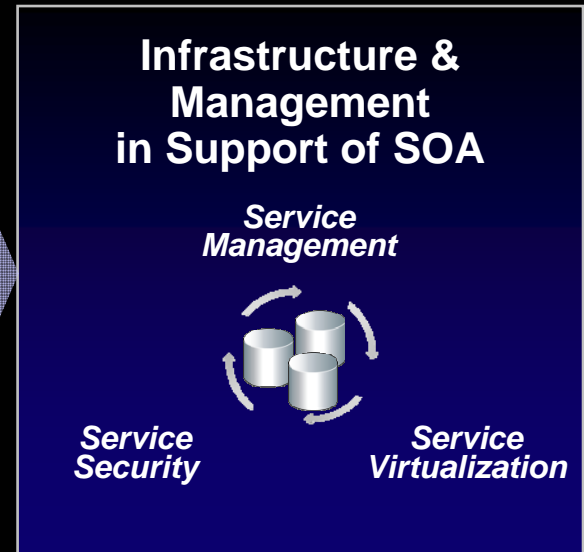
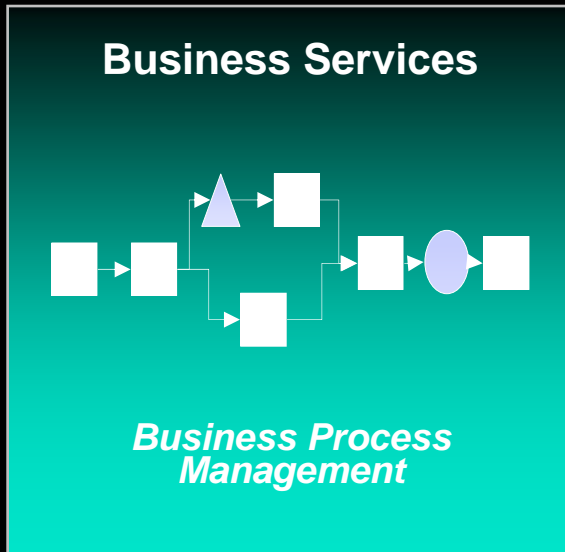
- Assigning decision rights
- Implementing measurements and control
- Integrating the people, processes, information and assets central to SOA initiatives.

With effective SOA Governance, IBM is:

- Aligning IT initiatives with business needs
- Enabling business transformation
- Simplifying end-to-end enterprise integration
- Maximizing the value of its investment in SOA



# SOA Governance and Service Lifecycle Management supports the SOA promise of value



# SOA Governance and Service Lifecycle Management create the complete capability needed



## ***Service Lifecycle Management***

***Service Development and Delivery Management***

*Enforce, execute, automate process and policies*

***Infrastructure and Management In Support of SOA***

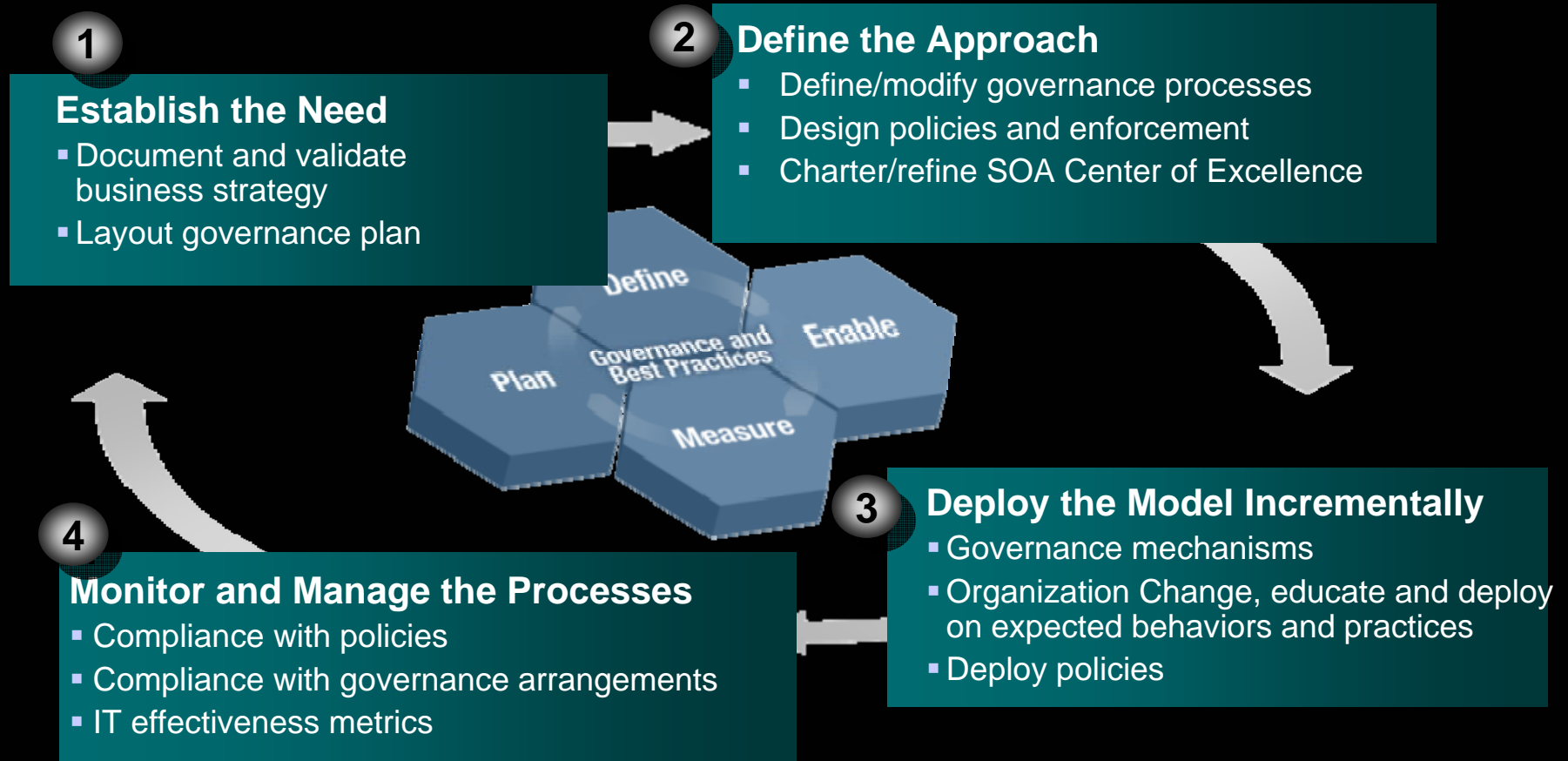
*Monitor and control operational policies*

## **SOA Governance**

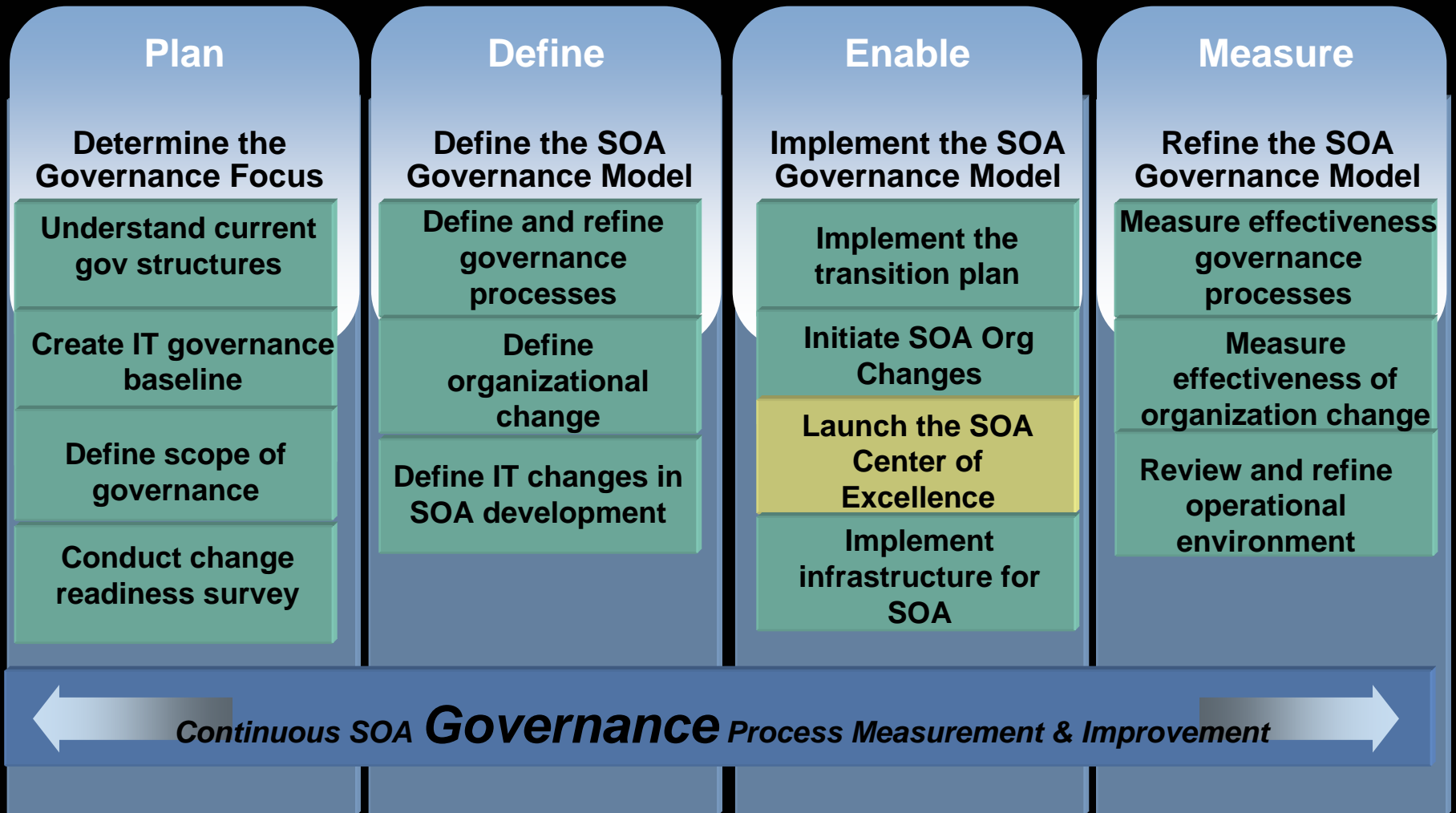
***SOA Governance Method***  
*Establish Process and Policies*



# The SOA Governance and Management Method ensures Business & IT alignment

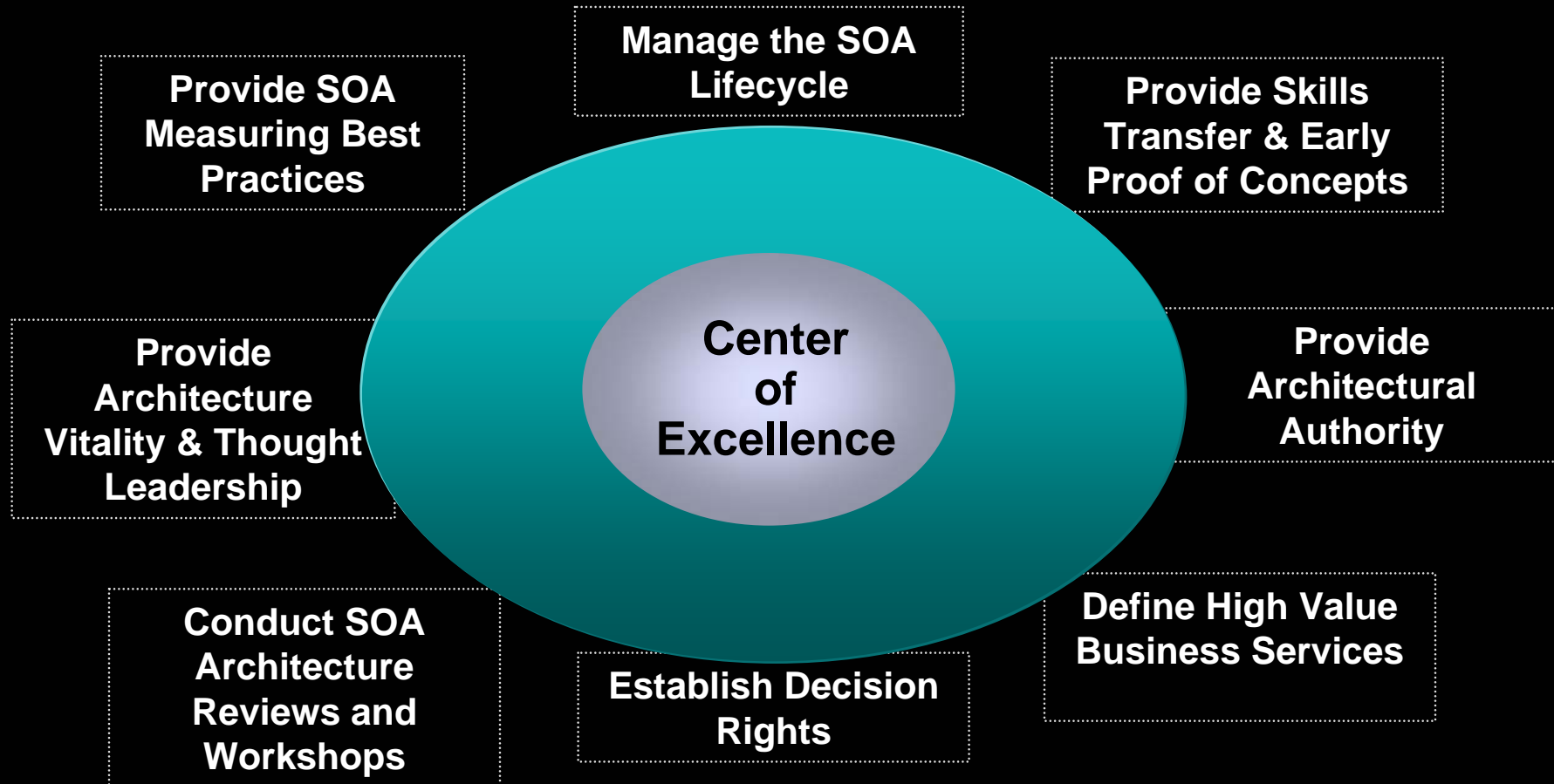


# SOA Governance & Management Method helps establish processes for Service Lifecycle Management



# A CoE supplies the expertise for SOA execution

*Customizes the SOA Governance Method to meet your requirements*



## The CoE is not Governance. It implements governance.

*A cross-organization business and IT team that guides the process of meeting business objectives through SOA*

- A vital implementation mechanism of SOA Governance
- Key promoter and enabler of architecture adoption, change and vitality
- Highly desirable for implementing SOA governance
- Increases the likelihood of SOA adoption across the enterprise
- Increases the organization's adherence to the SOA governance model



# SOA vision of success includes Organizational Change and Change Management through the CoE

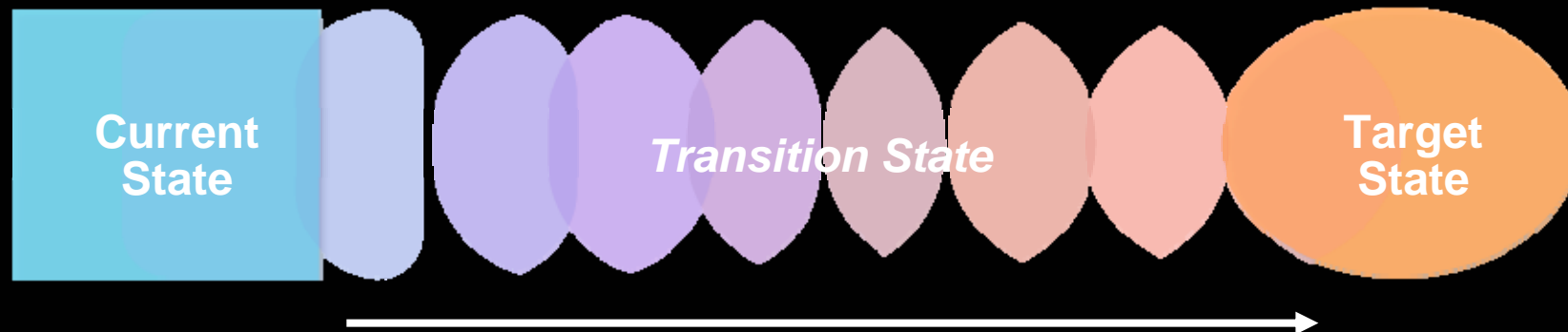
## Change Management Goals:

“Help ensure that people impacted by the changes ...

- **Understand**
- **Accept**
- **Are Prepared for, and**
- **Are Committed to**  
the changes that will affect them.”

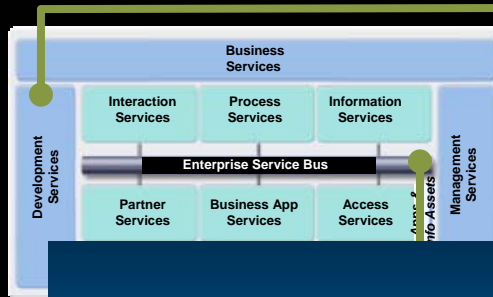
The Change Management Program will:

- Mitigate risks with oversight & control
- Increase reuse & buy-in promoting Services on the Bus
- Ensure Governance model enabling a successful implementation
- Facilitate the achievement of program benefits



# Advancing IBM's SOA governance story

*Customers are finding success with what's new from IBM*



## Rational Software Delivery Platform v7.0

- Rational Build Forge – governed service build & delivery process
- Rational ClearQuest and Functional Testing – geographically distributed quality governance
- Rational Software Architect – analysis, modeling & governance

## WebSphere Service Registry and Repository

**New!**

- Governance of artifacts and services
- Discovery of services



## IBM SOA Governance and Management Method

**New and Enhanced!**

- Creates SOA Governance end-to-end process
- Works with Rational Portfolio Manager and Method Composer



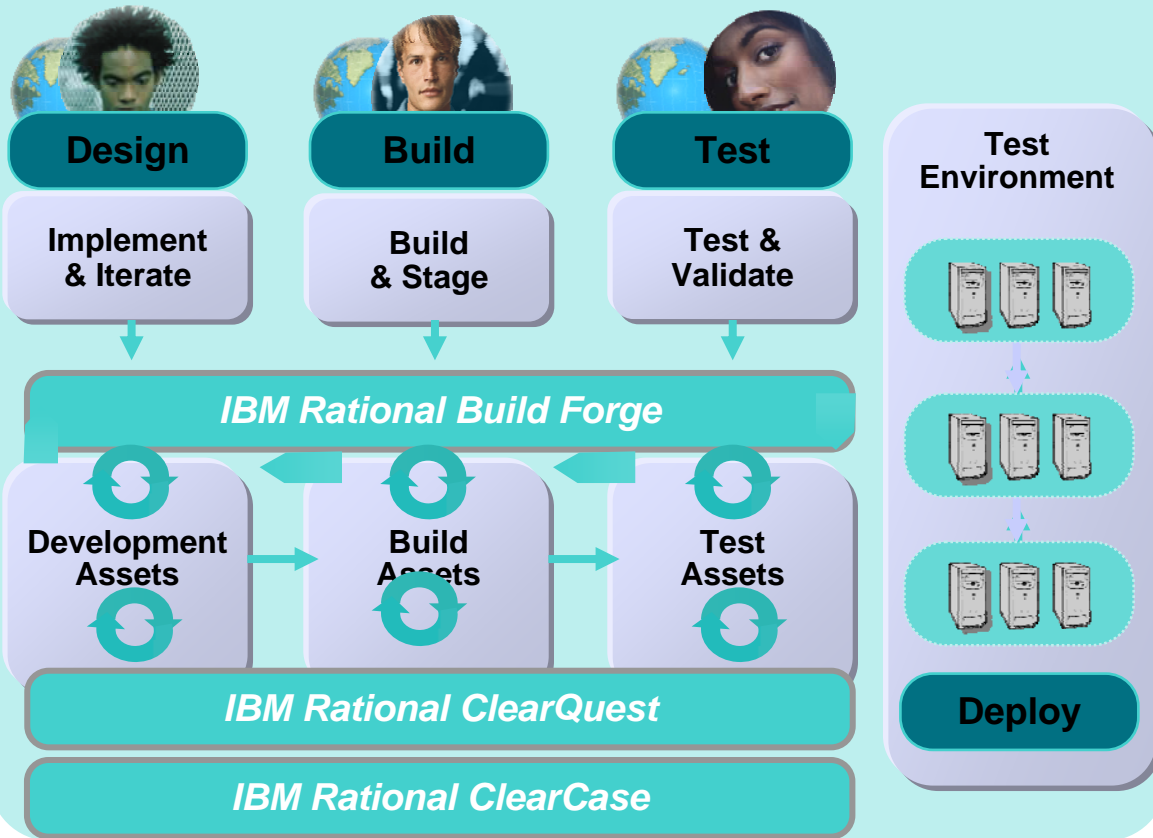
## Center of Excellence (CoE) Service Offering

- Working with the SOA Governance Method
- SOA Governance process reviews and training
- Services across the Governance and Management Lifecycle

# Integrated Workflow Processes & Automation

## GOVERNANCE DASHBOARD

### IBM Rational Portfolio Manager



**Governance**  
**“Baked in”**  
 Compliance traceability as part of everyday work

**Continuity**  
**Across Teams**  
 Shared process, automated handoffs team members

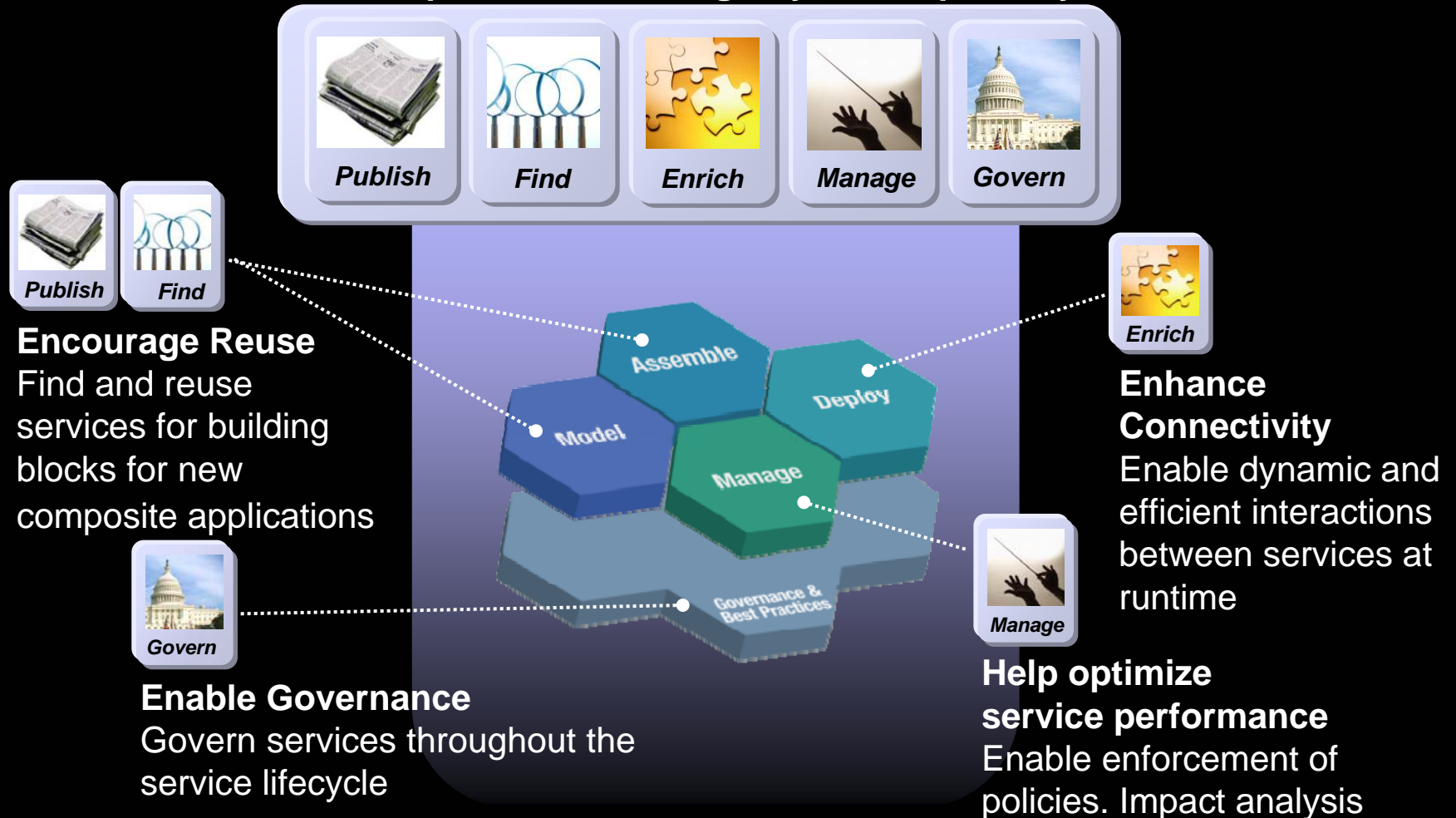
**Single Source Reporting**  
 Aggregated release data, source changes, test results

**Continuous Control**  
 Single point e-signatures, permissions, access rights



# The WebSphere Service Registry and Repository provides value throughout the SOA lifecycle

## WebSphere Service Registry and Repository





## Announced Today (December 5)

***New capabilities empowering global teams to better implement and manage software and systems architectures with improved lifecycle quality***

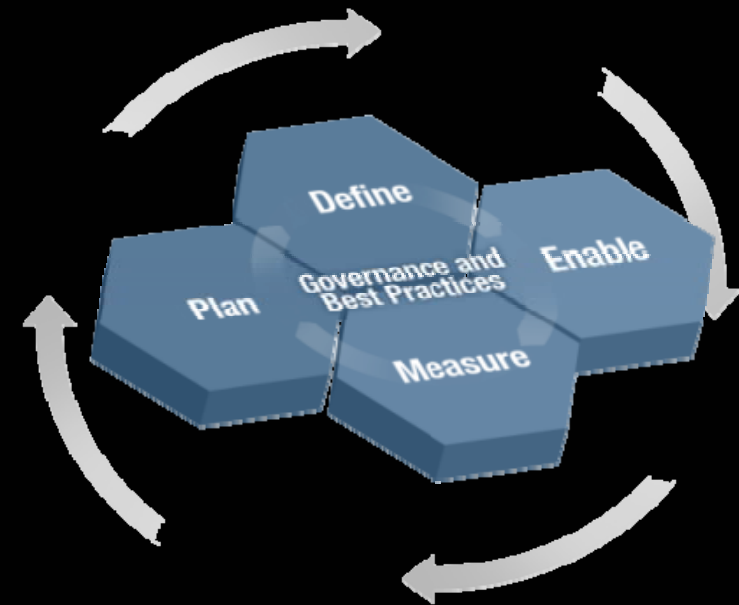
- Speed SOA results by sound architectural design and automated service delivery
- Ensure global architectural integrity and software quality including support for packaged applications
- Simplify modular systems development with improved HW/SW modeling and standards support
- Improve 'consumability' from the latest Eclipse community standards and new IBM collaborative engineering innovation



**Empowering the 'A' in SOA**  
***Scaling the business of global architecture, design and quality***

## Success requires commitment to and realization that governance is essential to achieving SOA's promise of value

- Engagement and active participation from business stakeholders
- Alignment of the SOA value proposition with business goals and objectives
- Defined, communicated and accepted SOA Vision
- Existing IT Governance and Decision Making Framework (Highly Desirable)
- Commitment, communication and support from Executive Management





**Break new ground.**

[ibm.com/soa](http://ibm.com/soa)