



Demonstrating the Real Value of SOA

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**A How-to Guide for Getting Started
with SOA Governance**

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Agenda

- What is SOA Governance
- How to Get Started
- How Oracle Can Help
- Q&A

What is SOA Governance?

- Governance is the establishment & administration of control over an environment to influence and enforce actions & behavior. (webster)
- SOA Governance is
 - A natural extension of existing governance disciplines
 - A structure for aligning business and IT goals, now and as SOA matures and evolves
 - A management framework for getting the best business value out of existing and future assets
- Effective SOA Governance requires
 - Focus on organizational and cultural aspects/impacts
 - Identification of the right processes
 - The right technology for lifecycle automation

How to Get Started

- Understand and align with the business
 - Establish a communication plan
 - Assess the organization
 - Develop a SOA governance plan
 - Identify key technology elements to help get you there
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- Act tactically but think Strategically
 - Tactical Stream
 - Address near term challenges
 - Focus around 1-3 projects within 1 LOB
 - Strategic Stream (101+ days)
 - Plan for wider adoption
 - Projects across multiple LOBs



Understand and Align with the Business

- Effective SOA Governance is based first and foremost on an understanding of the goals and objectives of the SOA Strategy
 - Prioritized SOA Benefits
 - What overall business benefits are you expecting from SOA
 - Prioritization of these benefits
 - Architectural Principles
 - Clear, foundational statements for your SOA Strategy
 - Easily understood, rational and implications
- SOA Governance can then be defined for your organization...
 - Scope
 - Purpose
 - Inter-relationships with other governance disciplines
- ...creating tighter alignment of SOA Governance with business goal and objectives

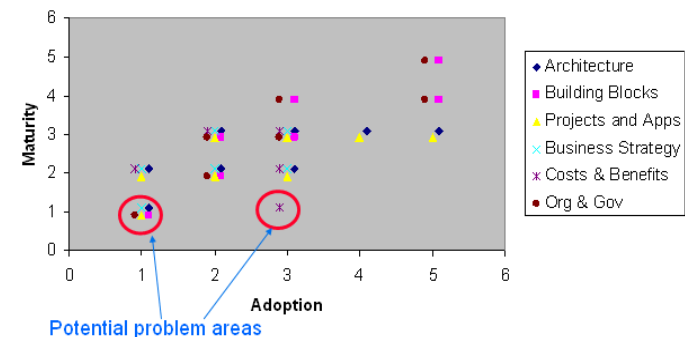
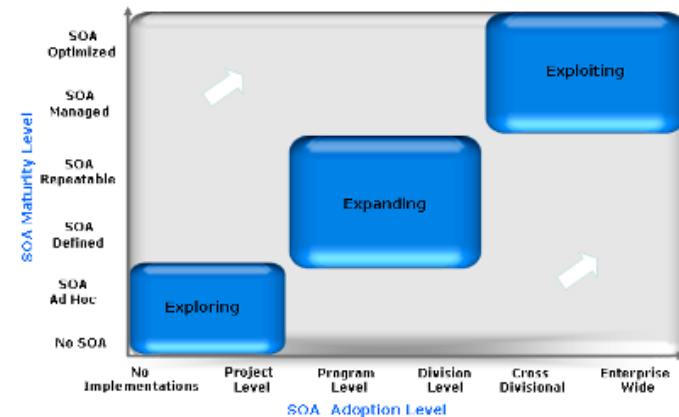
Establish a Communication Plan

- Continuous communication is a must
- Establish a communication plan to ensure continued buy-in
- Communicate to staff
 - Long-term goals for SOA
 - Why the need for SOA governance
 - The purpose of SOA governance
 - The implications of SOA governance



Assess the Organization

- What key challenges are you facing?
 - Narrow focus – 1st 100 days
- What are the root causes?
- What is the organization's SOA governance maturity level?
- What key SOA assets do I have?
 - Business relevance
 - Highly reusable
 - Identify duplication
 - Identify unused services
- Communicate assessment results



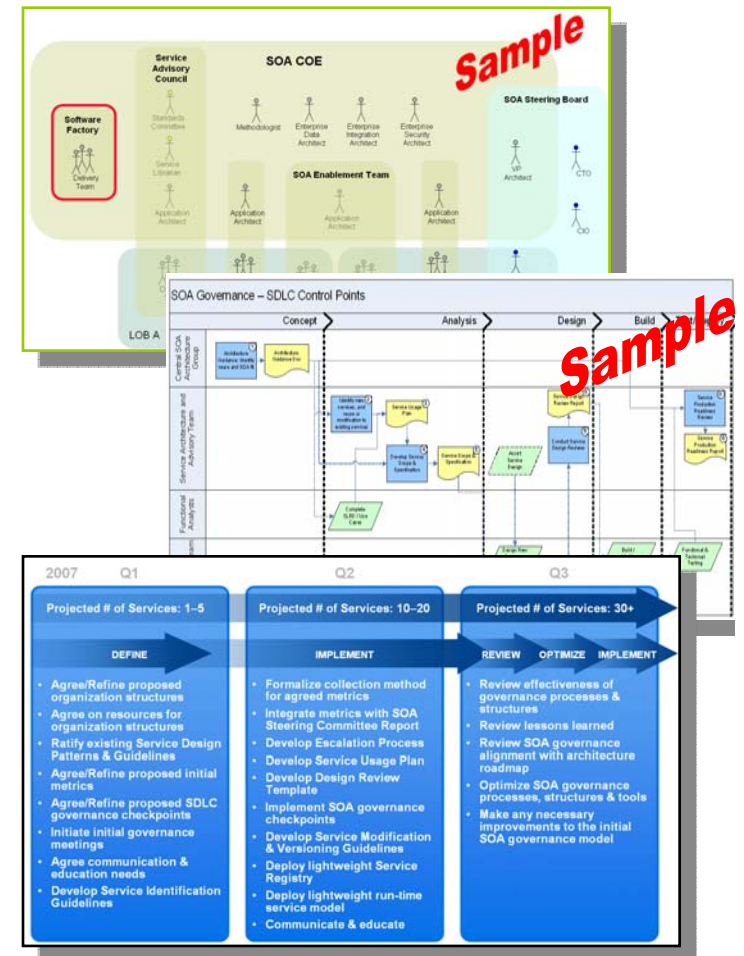
Identify Key Services and Assets

- Iterative and incremental SOA Asset Management
- Prioritize investments
 - Start with the low-hanging fruit
 - Calculate estimated reuse value
 - Determine level of usage
 - Convert potential hours saved into \$ savings
 - Estimate reuse potential

SDLC Activities	Totals
Business Modeling/ Requirements	20,000 hrs
Analysis/ Design	15,000 hrs
Develop/ Implement	10,000 hrs
Integration/Test	15,000 hrs
Total invested in building the reusable asset	60,000 hrs
Production Investment	200%
Estimated hours to build for single use (60,000/200%)	30,000 hrs
Consumption Factor	20%
Consumption Factor (30,000 * 20%)	(6000) hrs
Predicted Net Hours Saved (by Consumer)	24,000 hrs
Hourly Developer Burden Rate	\$77
Projected Productivity Savings per Use	\$1,848,000
Number of Annual Reuse Opportunities	3
Estimated Reuse Value	\$5,544,000

Develop a SOA Governance Plan

- Develop SOA Governance model
 - People, Process & Technology
- Pragmatic Roadmap
 - Detailing Near, Medium, Long Term prioritized steps towards the target state
- Near term focus
 - People
 - Executive Sponsorship
 - Governance committees
 - Policies, Process, Compliance
 - SOA Reference Architecture, Service design, standards, patterns, etc.
 - SOA Architecture Management
 - SOA Project Approval
 - SOA Alignment Process
 - SOA Asset Management
 - Technology for automation of the lifecycle



Identify Key Technological Elements

Registry/Repository

- **Single source of truth for SOA portfolio**
- **Manages SOA assets/projects and associated metadata**
- **Provides dependency tracking and impact analysis**
- **Automates collection of assets from multiple sources**
- **Provides reference for bindings and policies during execution**
- **Provides structure and automation to SOA lifecycle**
- **Tracks usage and compliance for visibility into ROI**

Identify Key Technological Elements

Registry/Repository

Policy Management and Validation

- Centralized management of policy artifacts for versioning and change control
- Distributed enforcement across the SOA infrastructure
- Enables continuous design-time policy validation
- Ensures policy compliance throughout the lifecycle
- Enables direct control over SOA lifecycle

Identify Key Technological Elements

Registry/Repository

Policy Management and Validation

Provisioning

- Provides structured contract between consumer and provider
- Enables policy-based terms of use
- Enforces contracts via business, SLA and security policies
- Provides foundation for shared services model

Identify Key Technological Elements

Registry/Repository

Policy Management and Validation

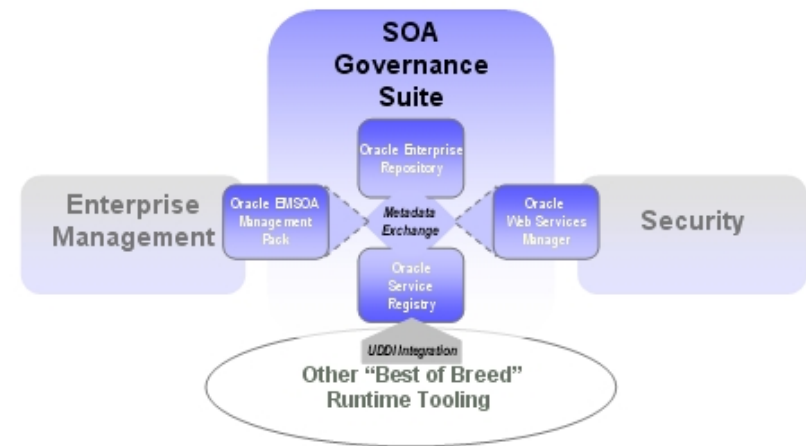
Provisioning

SOA Monitoring

- **Central monitoring of distributed SOA**
- **Visibility of end-to-end service networks**
- **Monitors, diagnoses and ensures service levels**
- **Tracks enforcement of service contracts**
- **Tracks Quality of Service**
- **Surfaces metrics and analytics for decision support**
- **Continues to give structure and automation to SOA lifecycle**

How Oracle Can Help: Oracle SOA Governance Solution

- Most complete solution for lifecycle management
- Extensive focus on automation
- Non-intrusive to existing environment
- Provides end-to-end, closed loop governance
- Consists of
 - Oracle Enterprise Repository and Oracle Service Registry
 - Oracle Web Services Manager
 - Oracle SOA Management Pack



For More Information

- Visit <http://www.oracle.com/goto/soagov>
 - Whitepapers
 - Podcasts
 - Blogs
 - and more!
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