

# SOA Quad Model™ Workshop

*Defining an Integrated Model of SOA Entry Points and Implementation Patterns*

**May 2008**



**AgilePath Corporation™**

38 Merrimac Street  
Suite 201  
Newburyport, MA 01950  
978.462.5737  
[www.agile-path.com](http://www.agile-path.com)

# Contents

- SOA Quad Model™ Workshop ..... 3
  - Introduction ..... 3
  - Purpose ..... 3
  - Length ..... 3
  - Modules and Deliverables ..... 3
    - Module 1: SOA Quad Model™ Business Discovery ..... 3
    - Module 2: SOA Quad Model™ Operations Discovery ..... 4
    - Module 3: SOA Quad Model™ Technical Discovery ..... 4
  - Participants ..... 4
  - Agenda ..... 5
  - Contact Us ..... 5

# SOA Quad Model™ Workshop

## *Defining an Integrated Model of SOA Entry Points and Implementation Patterns*

### Introduction

An interesting quandary facing many organizations actively planning and implementing service-oriented architecture (SOA) initiatives is how to integrate and reconcile various “entry points” to SOA. During the initial planning and execution stages of SOA, many organizations have a predilection or tendency toward a particular SOA pattern or style, which then directly influences the “services” identified and implemented to realize that SOA pattern. Examples of these SOA patterns are process-centric, data-centric, legacy-centric, and consumer-centric. These SOA tendencies are real and reflect natural organizational biases that exist based on the current business challenges and imperatives, the initial problem domain targeted by a SOA initiative, the skills and experiences of the initial core SOA team, or the corporate culture of the organization itself.

AgilePath Corporation has developed a model - the SOA Quad Model™ - to reconcile and integrate these various SOA tendencies. The SOA Quad Model™ establishes an integrated and holistic SOA framework that unites the fundamental SOA entry points around a SOA Reference Architecture and Services Reference Model so that there are no conflicts or contradictions between the various SOA patterns. The SOA Quad Model™ is an extremely useful tool for planning, prioritizing and modeling SOA initiatives with business stakeholders, as well as for incorporating various SOA perspectives into a single SOA model.

### Purpose

The SOA Quad Model Workshop™ accelerates organizational technical readiness through the identification of an end-to-end functional capability or operational thread that drives a common understanding of:

- How to balance business drivers and technical implementation patterns through SOA Quad Model™ analysis
- How to identify organizational and technical implementation SOA entry points and “getting started” strategies
- How to integrate the SOA Quad Model™ Technical Foundation with the SOA Reference Architecture
- The technical readiness of an organizations’ existing IT infrastructure to support SOA adoption
- The organizational obstacles and biases that exist for the adoption of SOA

### Length

The SOA Quad Model™ Workshop is an interactive 6-8 hour SOA immersion that can be executed over 1-2 consecutive business days. Because of the significant focus on the alignment of SOA business drivers and technical implementation patterns, AgilePath recommends the execution of all modules within 2 business days.

### Modules and Deliverables

#### **Module 1: SOA Quad Model™ Business Discovery**

The SOA Quad Model™ Business Discovery Modules focuses on the business drivers for SOA adoption, as aligned with the SOA Quad Model™. Specifically, the Business Discovery Module interactively identifies prioritized business drivers within process, information management and sharing, consumption and visualization and legacy rationalization categories. Further, this Module identifies the organizational sponsors and owners, dependencies and conflicts between and for these prioritized business drivers.

Deliverables:

- Documented organizational SOA Entry Point Candidates, as defined by prioritized business drivers, mapped to the SOA Quad Model™
- Documented business drivers organizational map and identified SOA adoption obstacles and conflicts

### **Module 2: SOA Quad Model™ Operations Discovery**

SOA Quad Model™ Operations Discovery focuses on the interactive identification of an end-to-end functional capability (operational thread) that aligns with 1-2 prioritized business drivers from Module 1. The identified operational thread will provide the common context for alignment of the prioritized business drivers and the SOA Quad Model™ Technical Foundation.

Deliverables:

- Documented end-to-end functional capability, including functional process, data management, consumption and legacy rationalization models and usage
- Documented operational process model for the end-to-end functional capability
- Documented known users and user types within the end-to-end functional capability
- Documented required legacy capability to support the end-to-end functional capability
- Documented required information sets to support the end-to-end functional capability

### **Module 3: SOA Quad Model™ Technical Discovery**

SOA Quad Model™ Technical Discovery focuses on the interactive technical readiness assessment to support the end-to-end functional capability, as aligned with the SOA Quad Model™ Technical Foundation. Specifically, this module focuses on process-centric, data-centric, legacy-centric and visualization-centric technical readiness to support the end-to-end functional capability within the context of an SOA Reference Architecture.

Deliverables:

- Documented Process-Centric Technical Readiness and Gaps
- Documented Data-Centric Technical Readiness and Gaps
- Documented Legacy-Centric Technical Readiness and Gaps
- Documented Consumer-Centric Technical Readiness and Gaps
- Documented SOA Reference Architecture with mapped end-to-end functional capability in the context of the SOA Quad Model™ Technical Foundation.
- Documented approach for Balancing the SOA Quad Model™

## **Participants**

The SOA Quad Model™ Workshop brings together organizational SOA adoption stakeholders and decision-makers to align SOA Business priorities and technical implementation patterns. Therefore, the SOA Quad Model™ Workshop participants should be mix of management, functional and technical stakeholders to include:

- Sr. Management, including Division Managers, Technical Directors, Program Managers, Project Managers
- Sr. Architects, including Enterprise Architects, Process Architects, Data Architects
- Business Analysts, including Operations SMEs and CONOPS experts
- Sr. Application Developers, including Legacy Developers, Application and Service Developers, Security Developers
- User Interface Designers and Developers

## Agenda

### SOA Quad Model™ Workshop

*Defining an Integrated Model of SOA Entry Points and Implementation Patterns*

Module	Module Purpose
<b>1</b>	<b>SOA Quad Model™ Business Discovery</b>
1.1	SOA Quad Model™ Introduction
1.2	SOA Entry Points Candidates
1.3	SOA Organizational Obstacles
1.4	SOA Quad Model™ Business Discovery Findings
<b>2</b>	<b>SOA Quad Model Operations Discovery</b>
2.1	Candidate SOA Operational Functional Capability
2.2	SOA Quad Model™ Operations Discovery Findings
<b>3</b>	<b>SOA Quad Model™ Technical Discovery</b>
3.1	SOA Quad Model™ Technical Foundation Introduction
3.2	<i>Functional Capability</i> Technical Readiness Standards, Implementation Patterns and Infrastructure Candidates
3.2.1	Process-Centric Technical Readiness
3.2.2	Data-Centric Technical Readiness
3.2.3	Legacy-Centric Technical Readiness
3.2.4	Consumer-Centric Technical Readiness
3.3	SOA Quad Model™ and Reference Architecture Integration
3.3	<i>Balanced</i> SOA Quad Model™ Technical Discovery Review
<b>4</b>	<b>Wrap-Up</b>

## Contact Us

For more information on AgilePath Corporation™ SOA Workshops and SOA Playbooks™ or to request a copy of the SOA Quad Model™ and SOA Quad Model™ Technical Foundation White Papers, please contact us at:

AgilePath Corporation Headquarters  
38 Merrimac Street  
Suite 201  
Newburyport, MA 01950  
978.462.5737  
[info@agile-path.com](mailto:info@agile-path.com)