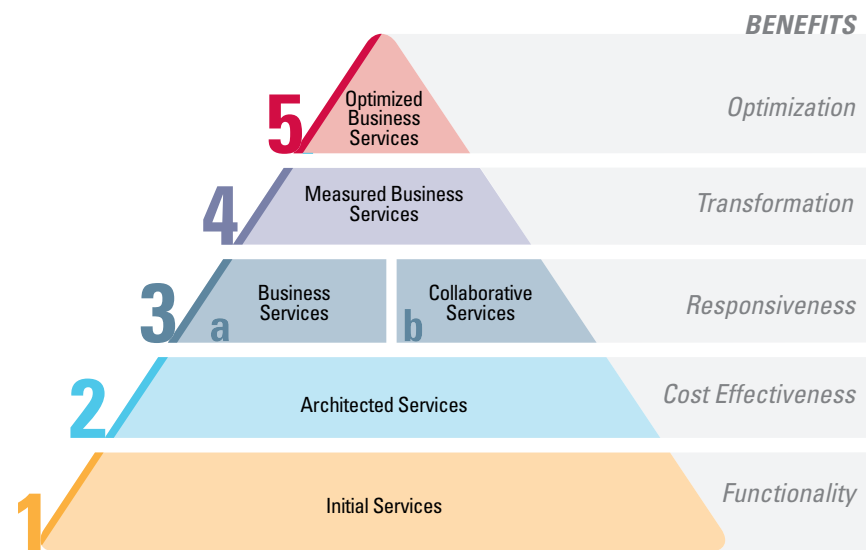


# A New Service-Oriented Architecture Maturity Model

## Quick Reference

The New SOA Maturity Model provides a framework for managers to understand the scope and benefits of service-oriented architecture and the guidelines for assessing their staff, projects and organization's SOA maturity.

For more information, including the companion whitepaper, visit:  
<http://www.sonicsoftware.com/soamm>



### KEY CONTRIBUTORS



MATURITY LEVEL	PRIME BUSINESS BENEFITS	SCOPE	CRITICAL TECHNOLOGY SUCCESS FACTORS	CRITICAL PEOPLE & ORGANIZATIONAL SUCCESS FACTORS	SELECTED RELEVANT STANDARDS	KEY GOALS	KEY PRACTICES
<b>5</b> <b>Optimized Business Services</b>	Business optimization – react and respond automatically	Business unit or enterprise Cross-enterprise	Event-driven automation for optimization	Continuous improvement culture CEO sponsorship		<ol style="list-style-type: none"> <li>1. Provide enterprise-wide leadership for business and SOA governance.</li> <li>2. Prove returns from SOA-supported continuous improvement.</li> </ol>	<ol style="list-style-type: none"> <li>1. Implement self-correcting business processes.</li> </ol>
<b>4</b> <b>Measured Business Services</b>	Business transformation from reactive to real-time Meet business performance metrics	Business unit or enterprise Cross-enterprise	Business Activity Monitoring Event Stream Processing Complex Event Processing Event-driven dashboards and alerts	On-going business process evaluation and response CFO sponsorship		<ol style="list-style-type: none"> <li>1. Institute transformation from reactive to real-time business processes.</li> <li>2. Define and meet business-oriented performance metrics.</li> </ol>	<ol style="list-style-type: none"> <li>1. Collect and analyze business process-oriented real-time performance metrics.</li> <li>2. Implement ongoing business process evaluation and re-engineering.</li> </ol>
<b>3</b> <b>a</b> <b>Business Services</b>	Business responsiveness – change business processes quickly and effectively	Business processes across business unit or enterprise	Reuse Ease of modification Availability Business process rules Event-driven processes Composite applications	IT Partnership with Business Partnership across Organizations SOA Life-cycle Governance Executive commitment Event-driven design skills Business Unit Manager Sponsorship	WS-BPEL	<ol style="list-style-type: none"> <li>1. Create ongoing partnership between business and technology organizations for SOA governance.</li> <li>2. Support full business processes via SOA.</li> <li>3. Prove returns from reuse of services and responsiveness to change.</li> </ol>	<ol style="list-style-type: none"> <li>1. Specify policies for use of SOA in creation or modification of business processes.</li> <li>2. Take advantage of event-oriented and mediation functionality of SOA technologies, especially with regards to enhancing/extending business processes.</li> </ol>
	<b>b</b> <b>Collaborative Services</b>	Business responsiveness – collaboration with business and trading partners	Services available to external partners Cross-enterprise		External services enablement Cross-enterprise security Translation of cross-enterprise protocols Long-running transactions	RosettaNet ebXML WS-Trust	<ol style="list-style-type: none"> <li>1. Create ongoing partnership between business and technology organizations for SOA governance.</li> <li>2. Extend SOA business processes to external organizations.</li> <li>3. Prove returns from use of services for collaboration.</li> </ol>
<b>2</b> <b>Architected Services</b>	IT cost reduction and control	Multiple integrated applications	Support for heterogeneity and distributed systems Reliable Messaging Mediation Ease of deployment Database integration Versioning Internal Security Performance management	Architecture group provides leadership SOA Competency Center CIO Sponsorship	UDDI WS-Reliable Messaging WS-Policy WS-Addressing XQuery WS-Security SAML	<ol style="list-style-type: none"> <li>1. Institutionalize use of SOA.</li> <li>2. Put in place architecture leadership for SOA.</li> <li>3. Prove returns from use of standards technology.</li> </ol>	<ol style="list-style-type: none"> <li>1. Specify technology standards for SOA.</li> <li>2. Integrate SOA into organization-wide development process.</li> <li>3. Provide organization-wide SOA training and competency center.</li> <li>4. Use incremental integration.</li> </ol>
<b>1</b> <b>Initial Services</b>	New functionality	R&D experimentation Pilot projects Web site Portal Custom integrations Small number of services	Standards Legacy Integration	Developers learn service development skills Developer Sponsorship	XML XSLT WSDL SOAP Java .NET	<ol style="list-style-type: none"> <li>1. Learn SOA technology in R&amp;D and pilot projects.</li> <li>2. Apply SOA technology to immediate organizational needs.</li> <li>3. Define initial ROI measurements for SOA projects and apply to initial projects.</li> </ol>	<ol style="list-style-type: none"> <li>1. Create services definitions.</li> <li>2. Integrate SOA into project development methodology.</li> <li>3. Quantify costs, time, and business benefits of pilot projects.</li> </ol>