

Sun's Service Oriented Architecture Services

A Pragmatic Approach

Highlights

Sun's SOA services are driven by these key founding principles:

Commitment to Standards and Interoperability

Sun's approach is based on building interoperable and extensible solutions through the use of accepted open industry standards

Proven Architecture, Design Patterns, Blueprints, and Recommended Practices

Customers benefit from Sun's expertise, techniques, and principles in the design and implementation of scalable and extensible architectures for their business systems

Services overview

Sun's pragmatic Service Oriented Architecture (SOA) services follow a structured, four-phase, iterative process:

- **Analyze** — Schedule working sessions with stakeholders to deliver discovery and analysis workshops that assess the readiness of applications, services, processes, and skills to embrace the SOA.
- **Identify** — Identify benefits and key candidates with significant business services for reuse potential and gaps.
- **Plan** — Build the outline of a workable roadmap, structure, and budget for implementation.
- **Deliver** — Execute against the plan, and implement the reference architecture to realize the proposed roadmap outcomes in incremental phases.

Sun's pragmatic, service oriented architecture approach

Organizations are faced with intensified competition and rapidly changing business conditions, as well as recent legislation that forces regulatory compliance to the top of CIOs' agendas. Cost pressures and decreasing margins are causing companies to find new ways to better leverage IT assets and do more with less. Businesses demand agility from their people, processes, and technology to help them address these challenges.

Sun's SOA is an integrated software infrastructure and design approach based on best practices. It leverages Web services and existing Java™ technology and .NET environments, while emphasizing shared services, interoperability, federation, extensibility, and reuse.

When an SOA is appropriately implemented, it can enable enterprises to better leverage and integrate IT assets, while increasing flexibility to respond to business change and opportunity. In a world of rapidly changing technology and emerging standards, achieving effective implementation is not always straightforward.

Sun delivers a pragmatic approach to adopting SOA, which emphasizes:

- Solving business challenges and seeking opportunities for improvement
- Incremental and service level-driven implementations
- Return on investment in 12 to 18 months
- Federation and integration
- Open, interoperable, and standards-based technologies

“VPS ASA, the Norwegian Central Securities Depository, are working to realize the vision of architecting an open and flexible next-generation solution.”

“We engaged Sun for a three-week SOA Opportunity Assessment. It helped to identify existing strengths, as well as the high-level requirements needed to successfully achieve our business priorities. Our architects are now engaged with Sun to establish a common, standard SOA infrastructure and framework for the development and management of our business services and to help mentor our project teams to develop the necessary skills.”

Sissel Bergh Bakke

Chief Information Officer, VPS ASA

In addition, Sun offers open infrastructure software components — the Sun Java Enterprise System and the Sun Java System Suites — to lay the foundation for your SOA. Find out more about the affordable, simple, predictable licensing of the Java Enterprise System and Java System Suites at sun.com/javaenterprisesystem.

The SOA Jumpstart Workshop helps customers execute on the SOA approach for business systems implementation, focusing on service requirements analysis, candidate architecture, and implementation.

The Jumpstart Workshop educates customers about SOAs, why they should be interested in SOAs, and what the impact of implementing an SOA will be on their businesses. In addition, the Jumpstart Workshop prepares both technical and business teams to actively contribute and collaborate in the process of designing, implementing, and adopting the new SOA approach to delivering business services.

The focus of the two- to four-day SOA Jumpstart Workshop is to:

- **Analyze** key business and technical values, current customer environment, and challenges.
- **Identify** key SOA benefits that are applicable to challenges in the business scenarios being discussed. Introduce participants to SOA terminology, technology, standards, and principles.

- **Plan** the next steps of engagement in a detail analysis phase using the SOA Opportunity Assessment, SOA proof of concept, or pilot implementation.
- **Deliver** a set of recommendations for selecting SOA on-ramp projects.

The SOA Opportunity Assessment is an analysis of key business processes and enterprise architecture alignment based on a jointly agreed-upon scope. The areas analyzed include:

- Architecture
- Organization Strategy
- Skills
- Process and Practices
- Technologies and Tools

The focus of the three- to nine-week SOA Opportunity Assessment is to:

- **Analyze** organizational alignment, existing systems and services, initiatives, practices, and processes that can be leveraged.
- **Identify** opportunities with significant business services reuse potential, gaps, critical success factors, and risks.
- **Plan** the roadmap structure and approach.
- **Deliver** a comprehensive set of tactical and strategic recommendations, as well as a practical roadmap for SOA adoption.

“We felt that Sun was the right vendor to help us build a robust solution that we hope will become the industry standard in simplifying the vehicle financing process.”

“Our confidence in Sun has only grown — its sales and consulting professionals have been very responsive to our needs, without trying to over-sell us.”

Joel Gruber

CIO, RouteOne LLC

SOA on-ramp implementations identify and scope key candidate projects that have significant business services reuse potential, as well as delivering Services Candidate Architecture for customers as proof of concepts.

The approach to SOA on-ramp implementations is to:

- **Analyze** business goals to be achieved by the project.
- **Identify** and validate the scope, dependencies, key SOA enabling technologies, and tools for the project.
- **Plan** how gaps in skills, culture, processes, technologies, and tools will be addressed, and how changes to the current IT ecosystem can be integrated.
- **Deliver** a candidate architecture and reference implementation of the architecture.

This pragmatic approach results in:

- Leveraging economies of scale in delivering business services
- Leveraging new and existing assets
- Minimizing risk
- A flexible and standardized reference architecture
- Simplifying the delivery of business initiatives owing to services reuse

The SOA Center of Excellence Program

establishes a focal point for reinforcing and promoting SOA-recommended principles and reuse of:

- Processes and Procedures
- Frameworks
- Standards
- Skills
- Compliance

Ultimately, the purpose of the Center of Excellence is to deliver business value.

The SOA Center of Excellence Program builds on the strengths and worldwide success of the service offering to establish a Java Center of Excellence (COE). The approach to establishing a SOA Center of Excellence is to:

- **Analyze** organizational goals and the processes, technologies, skills, and investment needs to achieve these objectives.
- **Identify** the charter of the COE, execution, and operational model.
- **Plan** and prioritize the recommended roles, skills, practices, and processes needed to establish the COE.
- **Deliver** on the vision of the COE, sustain its role, and provide the joint commitment to continue to deliver business value through COE activities.

AIM defines the technical delivery and project management methodology that Sun uses to architect, implement, and manage customer solutions.

AIM is based on the Sun™ Sigma initiative and focuses on understanding, capturing, and addressing customer needs with a holistic and objective perspective. This allows Sun to design and deliver predictable, minimal risk, and high-quality solutions for customers.

“Our alliance with Sun has helped us better align and capture our processes, which has allowed us to create a more replicable method for developing solutions. Our Java Center of Excellence provides us with a centralized structure that institutionalizes technology, knowledge, and skills transfer throughout the organization, increasing our agility while facilitating product and service delivery via the Web. Recognizing the interoperability and modular construction enabled by the Java platform, we view these capabilities as critical to our long-term success.”

Frank Weber

Formerly Executive Director, USAF Standard Systems Group, now Director, Operations and Sustainment Systems Wing

Some of the open industry standards supported include:

- Java™ 2 Platform, Enterprise Edition (J2EE™)
- Simple Object Access Protocol (SOAP)
- Web Services Description Language (WSDL)
- Web Services for Remote Portlets (WSRP)
- Security Assertions Markup Language (SAML)
- Liberty Alliance
- Extensible Markup Language (XML)
- Business Process Modeling Notation (BPMN)
- Universal Description, Discovery, and Integration (UDDI)
- Electronic Business Extensible Markup Language (ebXML)
- Services Provisioning Markup Language (SPML)

To find out more

Additional information on Sun's SOA Services can be found at sun.com/soa.

Learn More

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