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SOA SPECIAL

JUNE 16 - 2015

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20 Most Promising SOA technology solution providers 2015

Service Oriented Architecture (SOA) is dramatically changing the way businesses operate. With an approach of utilizing software as reusable service, SOA helps businesses create IT assets that can be re-used in different combinations to respond to changing needs. With an inventory of applications that can be availed to re-use by various parts of the business, this web-based architectural pattern's capability in terms of application development is a hot topic in today's enterprise computing landscape. It's widespread impact on mobile applications, big data, analytics, and insights into cloud computing resources raises awareness in terms of service delivery and encourages closer coordination of operations and development.

While SOA enjoyed varying success in the past, the wide spread adoption of cloud computing has brought in some renewed value to it. Clouds are typically API or service-driven, and are service-oriented. As cloud

computing becomes more popular, more enterprises will rethink the use of SOA, which includes the use of service directories, service governance, orchestration, and other technologies. SOA is acting as the backbone for both front-end applications and enterprise back-end server users for an easy transition and access of cloud service. With this support, enterprises can take advantage of cloud computing in an easier, faster and secure way.

The key to getting the most out of SOA lies within the knowledge of how to create a 'truly' service-oriented solution logic.

On that note, we present to you the special edition on SOA technology. We are featuring 20 most promising SOA Solution Providers, listing the best vendors and consultants who provide key technology solutions and services related to SOA. We hope this information will help you optimize your technology investments and deploy new capabilities.

Company:

Sparx Systems Pty Ltd

Description:

Providing high performance and scalable visual modeling tools for the planning, design and construction of software intensive systems

Key Person:

Geoffrey Sparks,
CEO & Founder

Website:

www.sparxsystems.com

CIO 20 MOST PROMISING
SOA TECHNOLOGY
Review SOLUTION PROVIDERS 2015

Sparx Systems Advance Business and Software Modeling with UML

Today, Service-Oriented Architectures (SOA) are important new paradigms that support modularized implementation of solutions within a middle tier. However, while building an approach to create architecture or migrate to a SOA, organizations face challenges of exposing business processes and systems to a wider clientele in a well-understood and standards-based fashion. This can be achieved through a common specification language typified by Object Management Group's (OMG) and Service Oriented Architecture Modeling Language (SoaML).

Headquartered in Australia, Sparx Systems has developed a high-end capabilities tool, Enterprise Architect that implements both SoaML and, as a natural complement, the Service Oriented Modeling Framework (SOMF), which provides a visual representation of the various states of the enterprise service portfolio. "Knowing when to re-use, re-engineer and re-write are critical aspects of moving toward an SOA capability. Through our Enterprise Architect platform, one can model, visualize, and manage the complexity found at the heart of any business," says Geoffrey Sparks, CEO and Founder, Sparx System.

Sparx specializes in high performance and scalable visual modeling tools to plan, design, and construct software intensive systems. The company's flagship product, Enterprise Architect, enables the development of the Unified Modeling Language, encourages a well-understood and easily communicated view of business and enterprise architectural elements in a technology independent notation. In addition, Enterprise Architect allows both the modeling and visualization of



Geoffrey Sparks

common development languages and information exchange formats, enabling a wide range of material and artifacts to be visualized, generated, modeled, and reverse engineered. As a result, it is possible to get a clear and robust view of the current architecture and to model future objectives precisely.

"Our subscription plan reflects our belief that 'lifecycle' software should be as dynamic and modern as the systems one designs and maintains," adds Sparks. For more than a decade, the company has continually developed, enhanced, and refined their platform to meet the emerging needs of programmers, business analysts, enterprise architects, testers, project managers, designers,

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and others. Based on open standards and proven best-practice, the low cost of the tool plus a free "reader" edition ensures Enterprise Architect can comfortably scale from small single user models to large team based repositories right up to globally distributed Cloud based solutions.

Highlighting a case-study, Sparx, along with its partners, helped an American state government to build a state-operated Health Insurance Exchange using Enterprise Architect. The business requirements and use-case stories were all written using Sparx Enterprise Architect—the same software environment that was used to create the original, pre-built reference framework. The Sparx software served the project as their platform and helped the development team to manage the shared repository that held all project-related information: the framework, the model, the documentation, and all the related artifacts. As a result, at a time when most other governments were still apologizing for a seriously-flawed start, the Sparx operation performed in a flawless manner.

Recently, the company introduced a new tool into Enterprise Architect, which will play a fundamental role in the way organizations and enterprises leverage the new inter-connected and cloud based world that is rapidly changing business and individual information landscapes. "We refer to the tool as the Schema Composer, and its basic purpose is to leverage the standards based models that are being created worldwide to facilitate the creation of message contracts," delineates Sparks. "The low cost of the tool plus a free 'reader' edition ensures that the information and work done in an Enterprise Architect model can be widely shared, easily accessed, and effectively managed."

