IBM SOA Integration Services – connectivity and reuse

Highlights

- **Offers a rapid introduction of new connections and reusable services to support SOAs, with less cost and infrastructure complexity**

- **Takes advantage of new technology, such as IBM WebSphere® Enterprise Service Bus software, while leveraging and optimizing your existing assets, skills and investments**

- **Transfers critical SOA skills and expertise to your internal teams**

- **Helps decrease the risks of implementing an SOA by providing the benefits of proven methodologies, architectures, expertise and accelerators**

Build a more responsive application infrastructure by connecting reusable assets

Enterprise application infrastructures today face two central pressures: a never-ending queue of business requirements, demanding new services, and IT requirements for reduced complexity, tighter integration and better asset utilization. You can effectively address both pressures with a service-oriented architecture (SOA) designed to take advantage of reusing your best processes, applications and infrastructure components and connecting them in such a way that your infrastructure can more easily respond to change.

Creating and managing an SOA infrastructure can be a challenge for even the most sophisticated and skilled IT operation. We can help you move quickly and avoid the pitfalls by sharing with you our leading technologies, tools and implementation methodologies gained from years of experience.

IBM SOA Integration Services – connectivity and reuse is the suite of design and implementation services used to help you more rapidly create and implement new SOA functionality; squeeze more value from existing assets; identify assets deserving continued investment and use; and connect existing assets and new services based on SOA best practices.

Specific service elements of connectivity and reuse include:

- *SOA middleware readiness*
- *Design and implementation services for WebSphere Enterprise Service Bus software*
- *Design and implementation services for WebSphere DataPower® software*
- *Design and implementation services for WebSphere Message Broker software*
- *Design and implementation services for WebSphere Application Server software*
- *Migration services for WebSphere Application Server software*
- *Design and implementation services for WebSphere Extended Deployment software*

These services are designed to help you arrive at an SOA from a compelling starting point—using the applications and processes that you already have in place. An SOA infrastructure that is deployed rapidly with a lower risk and that utilizes existing resources can provide your business with new flexibility and responsiveness, which results from:

- *Tighter integration of IT and business objectives*
- *Better connectivity and integration of disparate information sources and applications*
- *Lowered application development and maintenance costs through reuse*
- *Improved flow of information across the enterprise and with partners*
- *Streamlined and improved business processes*
- *Improvements in application scalability, resiliency and security*

Leveraging the assets you have to build new capabilities

Because the idea behind an SOA is to reach across the enterprise, integrating applications and processes that previously were disparate, it is crucial to build the right infrastructure. Connectivity and reuse addresses the entire SOA lifecycle, which begins with proper strategy and planning. IBM's application developers and business process strategists will begin with tactical and strategic assessments of your current environment. Using processes and methodologies put to the test in over 1,000 SOA engagements worldwide, we'll evaluate your existing infrastructure, applications and processes, helping you determine which approach and technologies will provide the greatest return on investment and align most closely with the needs of your business users.

The planning and strategy segment of the SOA lifecycle will determine what new functionality is required and what applications can be decoupled to create individual services to meet those new objectives. Identifying those applications that can be transformed into services gives you the opportunity to reuse those applications in new ways. A stand-alone application for processing purchase orders, for example, could be separated into individual Web services that address customer needs, such as shipping, financing, inventory and production information. By reusing those applications in new ways, you achieve lower costs, as much as five times lower compared with the costs of building applications from scratch. Application maintenance costs are also lower, and investments in IT skills are preserved by reusing existing assets and investments.

Transferring our SOA expertise to you

After the planning stage is complete, connectivity and reuse shifts focus to modeling the actual applications—identifying the services and processes needed to shape the new SOA architecture. The assembly process that follows brings together all of the applications, tools and SOA Foundation software required to build the architecture. The transition from business process development to software architecture design is a critical one for aligning business modeling and software development. The deployment and management of SOAs require extensive project management expertise that we can provide through connectivity and reuse.

Many IBM Global Services clients choose connectivity and reuse as a starting point because it is a practical approach to using existing assets. But it also represents a lower initial threshhold for internal skills. Using connectivity and reuse from IBM, your internal IT teams will have access to IBM's skilled application development and SOA expertise throughout the process.

Our designers and engineers will work with you to not only deploy the SOA that meets your needs, but also help you plan for future needs. Through a collaborative process, your internal staff will be able to tap into our resources, knowledge and tools, and you'll get a faster implementation and skills exchange you can leverage in the future.

Using the latest and greatest SOA technologies

We can work with you to help you take full advantage of the leading-edge SOA technologies, including WebSphere XD software, which enables dynamic SOA scalability through virtualization. Con-nectivity and reuse provides access to our SOA experts, tools and testing so you can bring together your valued assets and reshape them in new ways, with decreased risk and greater confidence.

No one is more qualified than IBM to help you take full advantage of all that WebSphere software has to offer from an SOA perspective. WebSphere Enterprise Service Bus (ESB) software provides a standards-based approach to creating Web services in which all applications can conform to a standard-ized framework for creating the

connectivity and integration of applica-tions. For applications that cannot conform to SOA standards, WebSphere Message Broker software provides additional capabilities to build an ESB.

Both of these ESB-building software offerings are extremely sophisticated. You can take advantage of our design and implementation experience, as well as our bi-directional access to the WebSphere software developers, to help you achieve both your business and your IT objectives for SOA. With best practices for governance, secu-rity, application lifecycles, application development and other integration issues, your SOA deployment can be faster and more cost-efficient, so you can more quickly derive benefits from your investments.

Leading the SOA movement with technologies and expertise

Building on the strength of IBM WebSphere software, our industry-leading integration middleware, IBM Global Services has developed a full range of services designed to help enterprises take advantage of SOAs to create more dynamic and more responsive IT environments. IBM has also developed technologies that
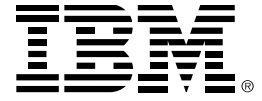
reduce the time required to develop an SOA and integrate applications. These accelerators help you avoid common pitfalls and reduce the costs of devel-oping new assets. Our methodologies and roadmaps are a product of our combined business consulting exper-tise, our industry-specific knowledge and applications, and our vast infra-structure design, deployment and management experience, gained from more than 1,000 SOA implementations.

Our trained and certified personnel have extensive experience building SOAs and integrating applications. They can work with your internal teams to help plan and implement a new architecture or integrate an SOA into your existing architecture. They will also be there to provide support as your business changes and your architec-ture must respond along the way.

For more information

To learn more about IBM SOA Integration Services – connectivity and reuse, contact your IBM representative or visit:

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