

THE SOA GATEWAY

Data integration remains the Achilles heel of current SOA initiatives. Risar is empowering organisations to overcome this weakness through the SOA Gateway, which enables organisations unleash the power of their legacy data and information across multiple platforms.

PRODUCT OVERVIEW

The product is the only solution on the market today that addresses SOA data integration challenges using a unique back-to-front approach. It provides instant accessibility to legacy data and information affecting business and IT operations.

The solution has a number of unique features:

- Platform independent
- Built using proven SOA standards
- Non proprietary: It enables standards to be adopted across multiple platforms and data sources
- Secure: It delivers secure data and information access across the SOA infrastructure.

PURPOSE

The solution has been developed to:

- Reduce time to access legacy data and information
- Provide fresh and current data to the business
- Increase re-use of legacy data and information across organisations
- Provide 'out of the box' connectivity to legacy data and information, eliminating the need for custom code development every time the business needs access to a new piece of data
- Deliver data and information resource agility across the corporate structure

The SOA gateway addresses the chasm between logic and data.

Business Case

"The SOA Gateway can save an organisation with requirements to deliver legacy data and logic to multiple business applications between €520,000 and a €1,000,000 a year."

John Power,
CEO Risaris

Product Overview

"The SOA Gateway adopts the view that data and business logic can be exposed in a simple, open and logical fashion that requires no coding on the platform where the data and business logic resides. Access to existing data and business logic on any existing platform can be achieved within days not months."

Dick Waite,
Software AG.

STAKEHOLDERS

The SOA gateway delivers benefits to a number of key stakeholders across an organisation.

<p>THE BUSINESS SPONSOR:</p> <ul style="list-style-type: none"> ■ Provides access to fresh/current operational data ■ Facilitates multi-channel customer service ■ Facilitates event triggers ■ Delivers business agility and responsiveness ■ Improves productivity across the organisation's value chain ■ Reduces cost of specialist data integration skills 	<p>THE CIO</p> <ul style="list-style-type: none"> ■ Makes corporate software assets available as re-usable components immediately ■ Ensures data and information control and security ■ Facilitates new product and service delivery, allowing IT to focus on system delivery instead of data and information access ■ Eliminates prohibitive costs of moving data 	<p>THE CTO</p> <ul style="list-style-type: none"> ■ Reduces the time developers and DBAs spend on data and information access ■ Exponentially enhances the ability to plan and deliver projects ■ Reduces training costs as developers no longer need knowledge of the data source ■ Guarantees data can be passed up and down the SOA architecture securely
<p>THE IT MANAGER</p> <ul style="list-style-type: none"> ■ Reduces the time developers and DBAs spend on legacy and data integration efforts ■ Ensures re-use. The same concept can be re-applied across projects ■ Reduces maintenance fees and the cost of resourcing legacy and data integration specialists ■ Works across all platforms. It is also database agnostic ■ Reduces the risks involved in planning IT projects 	<p>THE IT ARCHITECT</p> <ul style="list-style-type: none"> ■ Simplifies design as access to legacy data and information is managed through one interface ■ Delivers an ability to re-use resources. There is no requirement to replicate data ■ Ensures a standard can be adopted across projects ■ Increases flexibility with no need for custom software development ■ Register of reusable components 	<p>THE SYSTEM ADMINISTRATOR</p> <ul style="list-style-type: none"> ■ Supports faster data and information transformation ■ Delivers the shortest path to data and information ■ Retains control of data and information ■ Allows control of data and what is exposed ■ Ensures changes on the backend have no impact on developers

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THE APPROACH

The Risarís approach is focused on the use of SOA standards from the back of your technical environment to the front.

The SOA Gateway is:

- Single tiered
- Runs local to data and business logic
- Interfaces directly with local resources
- Focuses on standard SOA based integration
- Platform, database and language independent.

It exposes existing data and business logic using industry SOA standards (SOAP, WSDL and REST). The solution is built on the open source Apache frame work. It uses proven trusted open source tools.

HOW IT WORKS

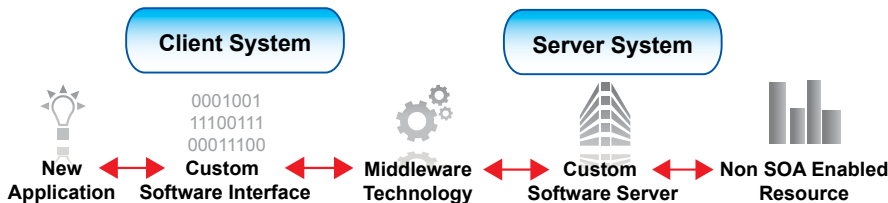
The SOA Gateway is installed local to the data or business an organisation wishes to expose on the legacy platform. The Gateway uses an Eclipse-based configuration tool to define resources and views of those resources with simple graphical interfaces.

Once defined, the Web Service for the resource is available from the server to authorised users. The administrator can also use the Eclipse-based tool to register the Web Service with a UDDI server from Software AG, IBM, Microsoft and Sun.

CURRENT AND FUTURE INTEGRATION STRATEGY

The SOA Gateway makes data and business logic available using W3C standards. It provides the flexibility to choose where the business logic resides.

CURRENT INTEGRATION STRATEGY



FUTURE INTEGRATION STRATEGY - SOA GATEWAY



Database and Language interfaces are built as Data Source Driver plug ins and support databases including:	Business logic, written in the following languages, is supported:
<ul style="list-style-type: none"> ■ ADABAS ■ VSAM ■ DB2 ■ IMS/DB ■ Oracle ■ Sybase. 	<ul style="list-style-type: none"> ■ Natural ■ COBOL ■ PL/1 ■ Assembler ■ C, C++.

"The chasm between data and logic explains why up to 70% of integration project cost stem from manually implementing data manipulation code."

Datamonitor

"Over 95% of application integration projects fail - mainly because of older hub and spoke integration."

The Standish Group

"Data integration will remain the Achilles heel of SOA's. SOA's ignore the underlying data and these new services are forced to manipulate data at too fine a level of granularity."

Datamonitor

SUGGESTIONS

To address the Achilles heel of SOA projects - data integration - one must:

- I. Address the multiplatform challenge
- II. Focus on standards
- III. Have the flexibility to choose where business logic resides