



webMethods Service-Oriented Integration

BUILD YOUR SERVICE-ORIENTED ARCHITECTURE ON A SOLID FOUNDATION

Get all your systems talking with the **webMethods Service-Oriented Integration Solution**. Software AG's **Enterprise Service Bus (ESB)**, powered by **webMethods Integration Server**, is the enterprise-class foundation for service-based integration of applications and Web services.

Break free from the costly constraints of point-to-point integrations. Put the constraints of dealing with siloed systems behind you. Easily integrate your disconnected IT assets to streamline information exchange by using Software AG's award-winning ESB.

This solution is a standards-based integration platform—the foundation of your SOA and the most complete enterprise integration infrastructure available. It “speaks” any technology so all of your Web services, JMS messaging, packaged and custom apps as well as legacy systems can communicate efficiently in an SOA.

You can service-enable any technology from any vendor. That means you can extend existing IT assets and innovate quickly and cost effectively to meet new business needs. Plus, because the webMethods Integration Server is at the core of the webMethods suite, you can build on your investment by adding BPM and SOA governance tools—all of which are designed to work together.

Whether you need to integrate internal applications, trading partners, mainframes or messaging or are developing your SOA, you'll find that webMethods offers you the most mature, comprehensive and easy-to-use integration platform to harness the value of current IT systems.

THE WEBMETHODS SERVICE-ORIENTED INTEGRATION SOLUTION IS COMPRISED OF:

webMethods Integration Server—The foundation of the webMethods suite, providing an enterprise-class, standards-based platform for your SOA.

webMethods Broker—A reliable, high-performance backbone for messaging between your applications. Use Broker to execute real-time, message-oriented interactions in your event-driven architecture.

webMethods Trading Networks—A scalable B2B gateway that connects your partner interactions with your SOA.

CentraSite™—The Business Service Repository for SOA and BPM that eliminates re-work, assures consistent quality and keeps your services aligned with business needs.

webMethods Adapters—Software that lets you plug data sources and existing apps, including SAP, Oracle and Sales-Force.com, into the webMethods ESB. No coding required!

FEATURES

Comprehensive service enablement

You've spent years developing applications to meet the needs of your business. Now you can use these applications in new ways. The webMethods Integration Server service-enables your existing investments and resources, including packaged applications, databases, mainframes and more. Unlock business data and logic from these systems and re-use it in new business processes and services. Quickly, reliably and securely, Integration Server connects your existing systems using either open-standards or native APIs.

High-speed messaging

webMethods Broker is a reliable, high-performance backbone for messaging between your applications. Use webMethods Broker in your event-driven architecture to execute real-time, message-oriented interactions in support of key applications. Supporting the Java Messaging Service (JMS) 1.1 standard, webMethods Broker manages message routing between applications. It also takes care of the essential queuing, storage and filtering functions you need for mission-critical inter-application integration and complex event processing.

Scalable B2B gateway

webMethods Trading Networks is an enterprise-class B2B gateway built on the webMethods ESB that automates your B2B transactions, such as purchase requisitions, orders and invoices. Traditional ways of interacting with suppliers can be expensive, slow and error-prone. Trading Networks, instead, enables real-time, accurate information exchange—and helps you avoid expensive VAN usage fees. It's your scalable, easy-to-manage gateway for doing business electronically with customers, distributors and trading partners worldwide.

Integrated SOA governance

CentraSite gives you a unified registry and repository—a central, platform-independent store for defining and describing assets. You can easily catalog all services, processes and related assets, such as XML schemas and business rules. This means information for faster decision-making and collaboration among SOA and BPM teams is just a click away.

Open, standards-based integration

The entire webMethods solution is designed to be standards-based to the core. Because it supports all kinds of standards, you can integrate a variety of systems, secure data, encode data and communicate more easily with other standards-compliant systems across your enterprise.

Multi-lingual service creation

Your applications are written in different languages, and your business infrastructure's comprised of different technologies. That's okay with the webMethods Integration Server. You can create and implement services in just about language or technology. Use Java, C/C++, XSLT, J2EE, .NET, BPEL or our built-in language, Flow, as well as our adapters to connect industry-specific formats. Your services will interoperate seamlessly because the Integration Server removes how the service is implemented from how it's invoked.

Support for any integration pattern

Integrate in a number of ways with the webMethods Integration Server. You can support on-demand, scheduled or event-driven interactions. Clicking a button on a Web form, scheduling a nightly batch transfer, updating a packaged application—any of these events can trigger the start of something inside the webMethods Integration Server.

Specifically, the webMethods Integration Server can be called from HTTP(S), FTP(S), SOAP, JMS, Scheduler, SMTP, BPM Event, Java Client C/C++ Client, .NET Client, Adapter or Flow.

Easy-to-use design tool

The webMethods Integration Server uses a unified Eclipse-based, graphical development environment for designing, developing and orchestrating services. Using this elegant tool, developers simply drag and drop services on a canvas to begin the integration process.

Software AG uses Eclipse as a development tool across all of our products. Product specific plug-ins, as well as a common set of "shared" plug-ins, assure interoperability across the webMethods suite.

You'll find our design tool includes everything your application developers need to quickly orchestrate services, including libraries of built-in functions and visual debugging for faster development.

Mapping, transformation & enrichment

The webMethods Integration Server makes sure that information from one system can be used by another. It does this through mapping, transformation and enrichment features that get information into the right format.

Our graphical mapping tools allow developers to point and click to show how information in one system relates to another. Our transformation tools, which include an extensive library of built-in tools and the ability to create custom transformers, enable data to be manipulated from one system to another. Enrichment tools allow information to be added as data travels across your SOA.

webMethods Integration Server can parse and transform all formats, including XML, EDI and flat files, or translate and map to and from all document formats. This capability protects your investments in existing systems by re-using maps and business logic.

Security & authentication

webMethods Integration Server offers many ways to ensure your security and authentication controls are integrated and enforced in your SOA. Count on support for the most frequently used security standards, including SSL/TLS for securing the HTTP and JMS transports, and WS-Security for securing messages. The ESB also supports options to encrypt and digitally sign messages as well as support for different authentication tokens. webMethods Integration Server also integrates with your existing LDAP directory servers and Microsoft Active Directory. All these mechanisms help ensure your data is secure as it travels through and across your ESB.

Vertical scalability

You can scale the webMethods Integration Server vertically to maximize the performance of the software on individual servers. Aside from disk space and available memory, the webMethods Integration Server has no constraints so it can process a message of any size. You can adapt the webMethods Integration Server's handling of large messages so queuing and persistence methods as well as run-time components deliver optimal performance and scale to maximize the use of your hardware.

Horizontal scalability

You can also scale the webMethods Integration Server horizontally by deploying additional platform nodes and configuring them to be load balanced. Load-balancing mechanisms are part of the Software AG clustering architecture, so messaging load can be distributed across multiple physical machines. The clustering feature supports load balancing and automatic fail-over.

Support for large development teams

The webMethods Integration Server enables large-team and large-scale parallel development with integrated version control system services. Organizations can share code across groups facilitating global projects. Locking and unlocking features prevent over-writing to namespace elements. You can partition areas of development within packages and folder levels using development-time ACLs as well as create a full audit trail to see who changed what and when.

Dependency management

Users can perform "what-if" scenarios as well as add and delete integration logic—without breaking entire sets of logic—to determine how services will behave differently.

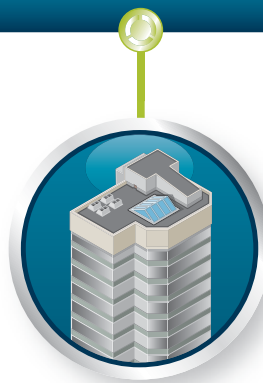
Service Enablement, Mediation & Orchestration



**Databases
& Files**



**Custom &
Packaged
Applications**



**B2B Trading
Partners**



**Mainframe
& Legacy
Systems**



**Cloud-based
Applications**

Use the webMethods ESB to get all your systems to communicate, internally and with your trading partners. With the ESB, you can create services—faster—and expose existing functionality as needed in new processes to run your business.

KEY BENEFITS

Simplify with a single platform for developing your SOA and integrating all your internal and external applications, partners and suppliers.

Support any integration pattern. You can support on-demand, scheduled or event-driven interactions. Clicking a button on a Web form, scheduling a nightly batch transfer, updating a packaged application—any of these events can trigger the start of something inside the webMethods ESB.

Build on your existing IT investments. Re-use existing software investments and expose those assets as business services by taking any integration logic service and creating a Web service or WSDL.

Make changes easily. Point-to-point integrations are brittle and costly to maintain. Use the webMethods ESB, instead, to streamline integration projects, reducing their time and cost.

Innovate faster for the business. Open, standards-based integration enables rapid use and deployment of Web services. Graphical service creation means you can build, edit and test integration logic without low-level coding.

BUILD YOUR SOA ON THE WEBMETHODS INTEGRATION SERVER

The webMethods Integration Server is built on 10-plus years of integrating applications for well-known organizations around the world. It uniquely provides proven support for all of your application integration needs.

Use the webMethods Integration Server to rapidly integrate systems and improve collaboration across your enterprise and with trading partners. You'll be able to handle new standards and interoperability requirements, efficiently manage business processes and keep up with ever-changing business demands.

Take the next step to get there - faster.

To find the Software AG office nearest you, please visit www.SoftwareAG.com

Visit www.softwareag.com/esb to learn more about our integration platform and the webMethods ESB.

ABOUT SOFTWARE AG

Software AG's 4,000 global customers use our software to improve business processes and drive an agile IT infrastructure. Our customers' goals are to reduce costs and increase flexibility and efficiency. We help them do this by optimizing and governing their operations and aligning IT with the business goals.

Our leading Business Infrastructure Software portfolio is used for data and system integration and modernization. It fosters new levels of IT agility through SOA and allows the rapid creation of new business processes with BPM.

Our 40-year history of success ensures our customers have a reliable platform for driving future business results - faster.

Software AG - Get There Faster

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