

KEY BENEFITS:

- **Provides a run-time environment** for Web Services delivery in an SOA, ensuring secure, reliable service delivery.
- **Enables you to govern and establish operational accountability** through Infravio's patent-pending Service Delivery Contracts™ technology.
- **Protects and secures your Web Services** and is in full compliance with WS-Security standards.
- **Guarantees customized delivery** of services with a unique consumer application identification mechanism for authentication and authorization.
- **Facilitates use with heterogeneous systems** with application integration functionality including transport messaging, data transformation, and scheduling.
- **Provides visibility** into business transactions by helping users understand the impact of running systems.
- **Ensures high availability and performance** through easy-to-use, yet sophisticated routing.
- **Improves understanding** of the whole SOA system via a management console for logging, monitoring, and alerts.



WEB SERVICE INTERMEDIARY AND POLICY ENFORCEMENT POINT, PROVIDING SOA SERVICE VISIBILITY, RELIABILITY, AND SECURITY

The webMethods Infravio X-Broker product provides run-time support for securing, routing, monitoring, and managing Web Services between provider and consumer applications. X-Broker enforces the delivery terms specified in the Web Services Delivery Contract™ including the processing requirements and instructions for four major categories: security, integration, operations, and business.

When combined with the webMethods Infravio X-Registry, the X-Broker provides end-to-end governance of services from design-time through run-time and change-time.

KEY FEATURES

SECURITY

Unique facility for identifying consumer applications – As the first security step, the X-Broker identifies the consumer application to prevent unauthorized applications from accessing the Web Service. The X-Broker identifies the consuming application using one of the following: request header patterns, user group (as identified by the security authentication server), IP address range, or digital certificate.

Flexible end user authentication and authorization – The X-Broker allows the consuming application to specify the security method that best meets its needs. End user authentication and authorization can be done by invoking 3rd party systems. X-Broker currently supports the LDAP server, Netegrity server, and the Microsoft Active Directory.

Broad range of security features – In addition to consumer application and end user authentication and authorization, the X-Broker offers encryption, and decryption for message confidentiality, digital signatures for message integrity and non-repudiation, and logging for tracing and tracking.

Standards compliance – webMethods is committed to support all Web Services standards. Consistent with that commitment, X-Broker security features are compliant with the current standards for WS-Security, XML encryption and XML-signatures.

OPERATIONS

The X-Broker includes a console for performance, availability management, and activity monitoring of Web Services.

Logging, Monitoring, and Alerts – The X-Broker allows rules definition for logging, monitoring, and alerts based on service parameters. Service level data is collected at run-time by X-Broker and is available at two levels: 1) Transaction level data includes information about every request / response message sequence relevant to the consuming service, service provider, and the contract that governs their relationship. 2) Aggregate data is relevant to the overall performance of the service. For example, logging and monitoring rules can be established based on aggregate counters for performance, errors, response times, and SLA violation events.

Availability Management – The X-Broker can automatically route a request to a backup service in case of failure in the primary service. An easy-to-use template is available to configure 'fail-over' routing.



WEBMETHODS FABRIC

webMethods Fabric is a comprehensive business suite that combines integration, Service Oriented Architecture (SOA), and Business Process Management (BPM). webMethods Fabric components are self-diagnostic, predictive, and proactive, giving you clear insight into your business operations, creating unprecedented visibility, efficiency, and agility.

ABOUT WEBMETHODS

webMethods provides business integration to the world's largest corporations and government agencies. webMethods' flagship product suite, webMethods Fabric, is the only integrated platform to deliver both SOA and BPM, delivering rapid ROI to our 1,400 customers around the globe. With webMethods, customers can take a process-centric approach to their business problems, allowing them to leverage their existing IT assets, dramatically improve business process productivity and ROI, and rapidly create competitive advantage by making their business processes work harder for their company.

webMethods (NASDAQ: WEBM) is headquartered in Fairfax, VA, and has offices throughout the United States, Europe, Asia Pacific, and Japan.

Performance Management - Routing can also be used to equalize or prioritize the request load among multiple backend services. Easy to use templates are available to configure this 'load balancing' capability.

SLA Management - At runtime, the X-Broker can enforce priorities to match the response times of an SLA and send alerts if the SLA is not met.

BUSINESS

Content-based routing - A SOAP message can be examined to validate a specific business rule. Based on the rule, the message can be routed to different back-end services.

Business Alerts - Alerts can be set and triggered based on any business rule or on Service Level Agreements (SLA) set by the service consumer or by a specific response by the provider.

Preferential QoS - Based on business priorities and defined service levels, consuming applications can be assigned different processing priority. By defining QoS business rules, specific applications can receive expedited response, lower priority response, or even the initiation of a different service version.

Version-based routing - X-Broker can automatically route to different versions of a service for a consuming application. If multiple service versions are available, the product can determine the correct version based on the consuming application identification or on the context of the service request. Deprecation support allows a service to be scheduled for replacement at a future date.

Email us at salesinquiry@webmethods.com, contact your webMethods sales representative or visit www.webmethods.com/solutions/SOA.