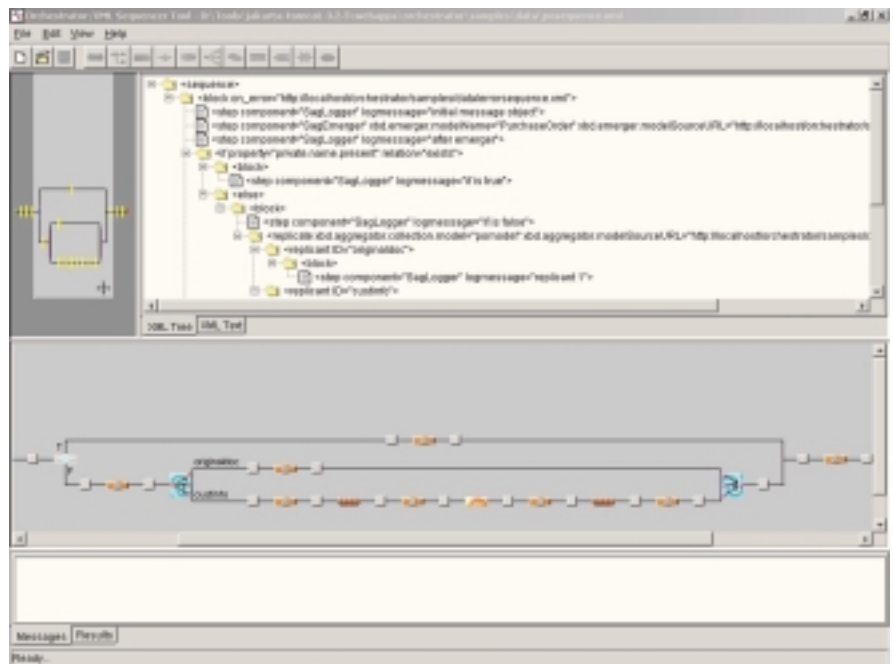# EntireX XML Mediator

Ensure reliable electronic communication with EntireX XML Mediator – the central hub for your XML-based information exchange. It manages XML transactions over the Internet, routes them to the appropriate receiving application, and, if necessary, transforms the messages to back-end data formats and presentation styles such as HTML, PDF and WAP. XML Mediator's superior routing and transformation capabilities take XML document transfer between business partners to unsurpassed levels of efficiency.

XML has become the technology of choice for managing the plethora of heterogeneous data, applications, devices and users associated with electronic business solutions. Hundreds of industries – from large healthcare, finance and automotive suppliers to small and medium-sized enterprises – have defined or are currently defining XML-based standards that simplify information exchange between businesses. EntireX XML Mediator dramatically improves the speed and efficiency of XML document exchange and provides a critical component of your e-business environment.

XML ROUTING

Your business partners should not have to know or understand the architecture and formats supported by the applications that ultimately process their transactions. Just as with paper-based documents, there needs to be a single entry point that directs electronic documents to the appropriate destination. As the central hub for XML communications, XML Mediator is able to decide where to route a document by applying rules based on the content and/or structure of the document.

Routing rules can be modified dynamically, so you can add new applications for specific tasks without modifying existing applications. Inbound documents are received directly via Internet protocols and routed to the appropriate applications. After processing, XML Mediator handles the outbound routing as well, ensuring that end-to-end XML transactions are handled in a consistent manner within your enterprise.

SCHEMA-BASED TRANSFORMATIONS

Where required, XML Mediator adapts the structure and content of documents to match that of the processing application. This transformation is performed by a high-performance engine, which utilizes the XSLT (eXtensible Stylesheet Language Transformations) standard to manage the different source and destination formats. Stylesheets can also be used to transform XML documents to

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numerous presentation formats, including EDI, HTML, Wireless Markup Language (WML) for mobile devices and Adobe's Portable Document Format (PDF).

DISCOVERY AND AGGREGATION

Complex transactions typically require action by multiple systems before a result is returned. XML Mediator has a sophisticated sequencer that can be used to create and manage document flows, as well as a document aggregator that collates transaction results from any place in the sequence. Together, these functions streamline document processing and improve your competitive advantage by enabling a fast and flexible response to new types of business request.

XML STRUCTURE VALIDATION

XML Mediator includes a validation engine that catches malformed documents and takes them out of the XML process flow, reducing the risk that malformed transaction data is incorrectly inserted into back-end applications. Of course, where a document is malformed, adaptable error handling routines can be invoked to alert you of the cancelled transaction.

INTERNET-READY

XML Mediator supports HTTP – the standard Internet transport protocol – so adding a new business partner can be done in real time by providing the URL of the XML Mediator server. No proprietary communication software is required at the partner's site and, where a firewall is used, XML Mediator can take advantage of Web server security features to enable encrypted transactions via HTTPS.

STANDARDS-BASED

XML Mediator supports industry and vendor standards such as Microsoft's BizTalk Framework and Simple Object Access Protocol (SOAP); the Universal Description, Discovery and Integration protocol (UDDI); the Document Object Model (DOM); the Web Services Description Language (WSDL); and the Simple API for XML (SAX).

CONTINUOUS INNOVATION

Software AG is active in a number of W3C working groups and our staff has been intimately involved in the creation of XML standards such as XQL, DOM and the SAXON XSLT Processor. We are committed to driving new standards and ensuring their rapid adoption.

Platform Support:

Windows NT
Windows 2000 Professional
Windows 2000 Server
Windows 2000 Advanced Server
Solaris

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