OASIS Interoperability Demos Showcase ebXML, UBL, WS-Reliability, WSRP, and XACML at XML 2003

Adobe, BEA, Citrix, Cyclone Commerce, Fujitsu, Hitachi, IBM, Korean National Computerization Agency (NCA), NEC, US National Institute of Standards and Technology (NIST), Oracle, Sun Microsystems, Vignette, and Others Demonstrate Interoperability of Standards

Philadelphia, PA, USA; 10 December 2003 -- Companies, users, and government agencies from around the world collaborated on four separate interoperability demonstrations of OASIS Standards and specifications at the XML 2003 conference this week. In scenarios as varied as epidemic management, weather portal aggregation, supply chain operations, and messaging, the practical usage of OASIS Standards was shown.

"These demonstrations provide more evidence that e-business, security and Web services standards are being deployed to solve real-world challenges," said James Bryce Clark, OASIS Manager for Technical Services Development. "The excitement here is not limited to what is being demonstrated. The types of participants--vendors and end users, large and small, government agencies--as well as the geographic span they represent clearly indicates buy-in from all stakeholders."

Demo #1: Achieving Interoperability Using Test Frameworks

NCA and NIST implemented a real-world ebXML test scenario involving a supply chain in which a buyer tests an upgrade with their solutions as well as with their customers' solutions. The enhancements were then integrated into production operations. The demo also provided access to services via an ebXML Registry which supported the supply chain operations.

Demo #2: OASIS WS-Reliability Interoperability Demonstration

Fujitsu, Hitachi, NEC, Oracle, and Sun Microsystems demonstrated their independently developed implementations of the OASIS WS-Reliability specification. WS-Reliability is intended for use in mission critical applications that require guaranteed delivery, duplicate message elimination, and/or message ordering within a transaction. These three fundamental properties of the WS-Reliability specification were demonstrated utilizing a use case derived from a commercial scenario. Participants acted as servers and clients while various combinations of challenges were introduced in the network. Correct operation and inter-operation of these implementations were demonstrated with varying degrees of network-induced dropped messages, duplicated messages, and disordered messages.

Demo #3: Epidemic Management Using OASIS ebXML, UBL and XACML

Adobe, Cyclone Commerce, NIST, Sun Microsystems, and others demonstrated an end-to-end data transmission
process using OASIS Standards for ebXML Registry, ebXML Messaging, ebXML Collaboration Protocol Profile and Agreement (CPP/A), ebXML Business Process Specification Schema (BPSS), Universal Business Language (UBL), and eXtensible Access Control Markup Language (XACML). In the demo, a public health care entity for disease control, uses a registry to manage epidemiological data. Laboratories, emergency rooms, and airports send periodic reports on persons that may be carrying communicable diseases to the registry. The reports are monitored by a scientist who electronically files a Communicable Disease form declaring the outbreak of an epidemic. Hospitals nationwide are electronically notified of the situation. At one such hospital, a software agent automatically follows a protocol specific to the disease and orders supplies needed for treatment. The demo concluded with the appropriate supplies being successfully delivered to the facility.

Demo #4: Web Services for Remote Portlets (WSRP)

BEA, Citrix, IBM, Oracle, and Vignette showcased a common use case for WSRP in which a weather site was configured as a portal. Pages on the site were aggregated by the portal and all of the application components used to produce the forecasts and other data were implemented as portlets. These portlets were then reused on other portals via WSRP rather than requiring the portals to separately install the complete set of portlets. WSRP was shown to maximize both control and availability for the weather site while minimizing costs for the remote portal sites.

The OASIS Interoperability Demonstrations were followed by a Town Hall meeting co-hosted by W3C and OASIS on "The Future of Standards for Web Services and Service Oriented Architectures." Technical experts from both organizations provided an overview of current activity in WS/SoA standards, followed by a public Q&A session regarding future developments, interoperability and convergence.

About OASIS

OASIS (Organization for the Advancement of Structured Information Standards) is a not-for-profit, global consortium that drives the development, convergence, and adoption of e-business standards. Members themselves set the OASIS technical agenda, using a lightweight, open process expressly designed to promote industry consensus and unite disparate efforts. OASIS produces worldwide standards for security, Web services, conformance, business transactions, electronic publishing, topic maps and interoperability within and between marketplaces. Founded in 1993, OASIS has more than 2,500 participants representing over 600 organizations and individual members in 100 countries. (http://www.oasis-open.org [1])

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