



Model Driven Architecture
High-Volume Switch Architecture
for Telecom & Financial Services



Sun Microsystems Partners with Next Generation Software Vendors to Leverage Solutions Based On Model Driven Architecture

SANTA CLARA, Calif., - October 21, 2003 -- Sun Microsystems, Inc. (Nasdaq: SUNW) announced today it is teaming with industry leading independent software vendors (ISVs) to provide model driven architecture (MDA) based solutions for customers across multiple industries. The Sun's partners will be exhibiting in the Sun Global Partner pavilion at the Gartner Symposium ITexpo 2003, October 21- 23 in Orlando, FL. In addition, Sun's Distinguished Engineer and Chief Architect of Sun Software Services, John Crupi, will speak about recent developments in Model Driven Architecture (MDA) and Patterns at the conference on Thursday, Oct. 23.

The model-driven architecture, or MDA, represents an advanced approach to software design and development. Developers use models created using languages such as the Unified Modeling Language (UML) to capture details of their business objects and processes. MDA-based systems can then translate these designs into code, improving the productivity, quality, and longevity of applications. By capturing business logic and business processes at a higher level of abstraction, MDA also helps to protect organizations' software investments by creating re-usable models. Further, MDA simplifies the implementation of Web services by shielding the application architecture from changes in the deployment infrastructure. Using MDA, businesses can easily evolve and grow without massive rewrites to existing production environments as standards and platform capabilities change and mature.

"The high software development costs and growing complexity that face today's IT managers is unprecedented," said Mr. Crupi. "Delivery of a single service requires a combination of software and hardware elements, which incurs tremendous costs, requires sophisticated expertise and strains management resources. With so many elements making up the network infrastructure, deployment of services takes far too long to stay competitive. And pressure to demonstrate return on investment from enterprise IT assets continues to intensify." John Crupi is a Sun Distinguished Engineer and manages the Pattern and Design Capture Expertise Center at Sun Software Services. John is co-author of Core J2EE Patterns and has over 17 years of experience in distributed object computing.

To ease the challenge of reuse through model driven architectures, Sun is working closely with its ISVs to create solutions that reduce cost and complexity while helping businesses realize the advantages of the real-time enterprise. Sun will highlight nine vendor solutions at the conference, including Certive, Clickmarks, Inc., iSpheres, Kabira Technologies, Inc., M7 Networks, MAKE, ProactiveNet, Relicore, Inc., and Transoft Inc.

"Model driven development is the native language for Kabira solutions on the Sun platform", said Grover Righter, vice president of marketing for **Kabira Technologies**. "Architects can use models to design and then compile high-speed, real time enterprise applications that combine upper layers from the Java Enterprise System with Kabira's ultra fast lower layer software. The resulting solutions enable customers to use best-in-class solutions from Sun and connect them directly to global networks for high-volume business transactions."

"The M7 Application Assembly Suite uses a model-driven persistence engine that makes it easy to access data from any SQL database without requiring any custom coding," said Mansour Safai, CEO of **M7**. "By using a model-driven architecture, M7 saves our customers time and money in developing custom web applications."

"Model driven development is a key benefit of iSpheres Halo 4," said David Dawson, vice president of Marketing for **iSpheres Corporation**. "Corporate developers can use models built by Halo 4's prototyping tools to map their high-level analysis models to Halo's Event Server platform. Developers can then rapidly deploy these applications to Sun solutions."

About Sun Microsystems

Since its inception in 1982, a singular vision -- "The Network Is The Computer[tm]" --has propelled Sun Microsystems, Inc. (Nasdaq: SUNW) to its position as a leading provider of industrial-strength hardware, software and services that make the Net work. Sun can be found in more than 100 countries and on the World Wide Web at <http://sun.com>

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