
SOA in the Real World

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Abstract

According to IDC Research, by 2008 the market for service oriented architecture will exceed \$25 billion. SOA will become the dominant distributed computing architecture and will eventually define the fabric of computing. Most enterprise CIOs and CTOs are already beginning to understand that a Web services-based service oriented architecture (SOA) is an ideal means for achieving interoperability of disparate systems. However, before these enterprises can make production use of their loosely coupled systems, they must first overcome the obstacles of security and manageability.

Management is an essential for any organization planning to make production use of SOA. Even at the outset of a Web services project, success hinges on defining, tracking and controlling appropriate service levels. When implementing Web services, organizations need to review and analyze quality-of-service (QoS) metrics in order to plan for growth, minimize risk and justify additional investments. Once in production, loosely coupled systems require heightened security measures and a means for handling unexpected business conditions.

In this session, the author will review how two leading financial services organizations built and deployed production-ready SOA systems, and, as a result, significantly reduced development cycles and total cost of ownership. Ed will also discuss the benefits these companies have achieved from implementing their SOA systems, the challenges they overcame and how they plan to extend their SOA systems to realize greater business benefit in the future.

Customer #1

A multibank holding company with a growing network of 82 offices in 16 U.S. states and international offices in six countries. This company has assets under administration of \$2.4 trillion and assets under investment management of \$535 billion.

This company's Enterprise Application Architecture Group faced a challenge that's increasingly common in corporate IT-the need for interoperability across disparate, distributed IT assets. The financial services leader had multiple data centers, Java-based client applications, .NET-based internal applications, messaging-based applications and legacy applications. After completing multiple POCs, they saw that a Web services-based service oriented architecture (SOA) would be the ideal means for achieving this interoperability. However, before they could make production use of its loosely coupled system, it required comprehensive management and security capabilities.

Customer #2

A financial services company with a services-based system that routes leads from the company's tax services organization to more than 250 financial advisor offices across the country, filtering through 3,000,000 messages per day. The company implemented SOA management that provides real-time performance monitoring in addition to detection of faults and exceptions. The benefits include rapid resolution of errors and lower costs of application development and production support.

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The author did not prepare a paper for the proceedings.

Biography

Ed Horst

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Mr. Horst has more than twenty years of experience in planning, marketing and developing distributed systems, management frameworks and development tools. He was the vice president of Marketing at OnKilter, a strategy execution software vendor, and Provato, an electronic contract management solution provider that was acquired by I-Many. Previously, he was a founding member of the marketing team at Forte and held various engineering and product management positions at Ingres. In addition to his work at leading software companies, Mr. Horst served for several years as an I.T. Director for Atlas Die, a Midwestern manufacturing firm, where he was an early implementer of several early-stage technologies, including CAD applications, relational databases and wide area networking systems. Mr. Horst has participated in several panel discussions and many more speaking opportunities, both within the United States and abroad, including several joint seminars with Forrester and Gartner analyst firms; user group meetings for IBM, Oracle, Forte and Sun; and industry exhibitions. Most recently, he spoke at XML Web Services One and hosted a live webcast with British Telecommunications on Web services management.

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Chris works side-by-side with customers and partners to ensure successful deployment of AmberPoint's SOA runtime governance software. He has a wealth of experience at leading enterprise software companies, including Platinum Technology, Mercury, Tivoli, BroadVision, TIBCO, and SeeBeyond. His responsibilities have included solutions architect, solutions consultant, developer, systems administrator, and manager of computer systems. Chris earned his Computer Science degree, with a concentration in CIS, at Frostburg University.