



Client	Project
The Zenith	Workers Compensation Solution
Abstract	
Zenith required an integration solution that leveraged the power of ACORD XML & AL3 to effectively communicate with business partners and substantially minimize manual interaction. This required Infosun to replace Zenith's disparate systems with a standards-based component architecture.	



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TheZenith is a team of worker compensation specialists committed to helping businesses be more successful by protecting them from the financial consequences of workplace injuries, providing for the needs of injured workers, and making the workplace safer.

The Zenith has offices spanning across the United States, with the majority of their business centered in California, Florida, and Texas. At the time of this project, The Zenith had disparate internal core systems at various locations, and most of the integration development was customized. Their goal was to migrate their systems to a unified platform, and build interfaces with business partners to enable business-to-business integration. The Zenith looked to Infosun to deliver this migration solution.

Challenge

The direction taken by The Zenith was to develop a platform of reusable components based upon the J2EE specifications and unify their disparate system architecture. The following are major challenges being faced:

- Integration of business partners' systems (B2B) with their internal "Zeus system"
- Consolidating all systems with Zeus and unify the data
- Unify all of the core systems into the "Zeus System"

The client formed a partnership with Infosun to:

- Standardize their e-Business architecture and unify their disparate systems into a central system
- Develop a secure, scalable, flexible and robust architecture using the existing data model
- Provide Access Control and Single Sign-on
- Integrate the central system with business partners

Company Profile

Infosun is a product development outsourcing provider. Our aim is to help our clients launch innovative products and solutions faster than their competitors. Companies partner with InfoSun for our development facilities, wide-ranging design expertise, and comprehensive intellectual property portfolio.

Whether the project is designing a new product, revamping an existing product to cut costs, or redefining your development process, Infosun provides each client with a timely and cost-effective solution. In addition to our own intellectual property, we provide a full range of engineering capabilities necessary for complete product management and development.

InfoSun Solution

Infosun presented a solution to leverage the power of Zenith's ACORD XML & AL3 to effectively integrate the Zeus System with business partners and substantially minimize manual interaction. In order to simplify the integration demands, Infosun determined the specifications of a unified platform designed to replace the current disparate architecture.

Business-to-Business

In order to achieve the b2b integration, Infosun integrated the Superior Access business system with the Zeus System following the ACORD XML specifications. In turn, the Paychex business system was integrated with the Zeus System using ACORD AL3 (Automation Level 3) standard. Zenith's small business partners, such as CI Center and IDN Center, are now able to leverage the system to exchange data with the internal Zeus System.

Any data received is by Zenith pre-processed to transform it to Zenith's customized ACORD XML standard. This allows a common set of Business rules to be applied to the transmitted data. Once processed, the data is returned in the format most appropriate for the receiving business partner. This enables, seamless integration of various business partners with the Zeus central system, and enables reductions in time and cost.

System Architecture

The application developed is based on an n-tier architecture and the J2EE specifications. The first tier consists of a Browser/Java Application or any handheld device, which acts as a Presentation tier and handles the HTTP(s) requests and responses of the users. The second tier consists of the BEA WebLogic, which acts as the Business logic tier to handle the insurance business processing logic. The third tier consisting of the Oracle database server that acts as data accessing tier. IPlanet acts as a web server to provide *Secure Socket layer* and also to redirect the user requests for dynamic / static content to appropriate servers based on the mime types.

Project Results

Infosun's strengths in business modeling and designing large scale enterprise application infrastructure with Enterprise Application Integration (EAI) features was an important consideration for the client in entering into a partnership. Infosun leveraged its strong foundation in J2EE frameworks, and several industry leading complimentary products and technologies while delivering this integrated and collaborative platform.

Infosun worked intimately with Zenith at all phases of the Software Development lifecycle (SDLC), starting from business modeling through deployment.

Through their partnership with Infosun, Zenith was able to deploy a system designed to provide integration of the underlying Zeus System and Partner subsystems. The total system offered both high performance and availability measures. This provided the business transaction time to reduce from days to minutes.

Tools and Technologies

- BEA WebLogic Server 6.1
- BEA WebLogic Integration 2.0
- J2EE SDK - 1.2.1
- JDK 1.3
- ACORD XML - 1.0
- WebGain 4.5
- PVCS
- IPlanet Web Server 6.0
- Oracle 7.3
- Rational Suite 2001