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• *The new service-oriented application and SOA framework developed by ComFrame give SunGard a modern solution that is quicker and easier to implement, with less expense and less disruption to client business operations* •



COMFRAME CLIENT CASE STUDY

INDUSTRY

Software for Financial Services

SERVICES DELIVERED

- ✓ New software development using SOA technologies and design approaches
- ✓ Software project management
- ✓ Training and mentoring to transition client's in-house engineering team

MAJOR BENEFITS

- ✓ Delivery of modern applications that will improve SunGard client business agility and speed to market with new product offerings

CLIENT SNAPSHOT

SunGard is a global leader in software and processing solutions for financial services, higher education and the public sector. SunGard also helps information-dependent enterprises across all industry sectors ensure the continuity of their business. With annual revenues of \$4 billion, SunGard serves more than 25,000 customers in more than 50 countries, including the world's 50 largest financial services companies.

SUNGARD®

ComFrame Delivers New SOA Framework for SunGard Retirement Plan Software

Business Challenge

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In 2005 SunGard acquired Pyramid Digital Solutions, making it a leading provider of Web-based applications for the retirement plan industry and expanding its suite of solution offerings for clients. Because the various solutions within the suite were all built using different technologies and operating platforms, SunGard implementation consultants were constantly faced with the expense and complexities of modifying source code each time new software was installed at a client site. These modifications slowed the installation process, drove up project costs and limited clients' agility in responding to future changes. Continuing on this path was not an option as more flexible competitive solutions threatened to erode SunGard's hard-earned leadership position in the retirement plan marketplace.

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Solution Requirements

SunGard leaders determined that a service-oriented architecture (SOA) framework was needed to serve as the foundation for the next generation of retirement plan applications. The proposed solution would be built based upon metadata and using a rules-driven approach, enabling the use of common business services that could be customized and tailored for each customer through configuration instead of modifying source code. SunGard selected ComFrame Software Corporation to work with SunGard architects and engineers to develop the new OmniESF solution for retirement plan providers.

Project Approach

During the initial phases of the OmniESF development project, ComFrame provided project management, system analysis, architectural leadership and delivery expertise. ComFrame used an agile, customized version of the Unified Software Development Process (USDP) to define the core system which would later be extended to include rules processing and other advanced capabilities. As the project progressed, the development model was adjusted to allow greater involvement, control and ownership by the SunGard team. This approach equipped SunGard with the knowledge and experience necessary to support and extend the core framework after development was complete. As time progressed the ComFrame team eventually became an extension of the SunGard team.

☛ *SunGard's new OmniESF application is customizable to client needs without changes to core business services.* ☛

Modern Design

The core of OmniESF is a centralized rule management and execution engine that enables business and application logic to be defined in a consistent, structured manner. Surrounding the OmniESF rules engine are business services, data services, and transaction management services assembled in the framework. OmniESF was developed to the J2EE specification using the Java programming language. However, because OmniESF business services are exposed through various interface protocols, it enables technologies such as Java, .NET and other modern languages to consume services.

Business Results

OmniESF's service-oriented architecture provides SunGard with a sophisticated and scalable platform for client-servicing and plan administration solutions. It delivers:

- ✔ A highly flexible framework to meet the changing needs of client business
- ✔ A modular application that is rules and metadata driven
- ✔ A software solution that is customizable to client needs without changes to core business services

SunGard's new service-oriented OmniESF application and SOA framework give SunGard a modern application that can be implemented more quickly and easily, with less expense and less disruption to client business operations. "ComFrame provided the processes and highly qualified people we needed for a very strategic initiative," said Michael Stoeckert, senior vice president for SunGard EBS. "They played a key role in the development of our Common Services Architecture." OmniESF was developed through ComFrame's Precision Architecture and Application Engineering (PA2E) practice.

About ComFrame

Since 1997, ComFrame Software Corporation has delivered more than 200 elegant projects for clients in diverse industries across the southeastern United States, helping them reduce IT complexity and successfully deploy modern architectures and applications that improve business agility and efficiency. From offices in Birmingham, Alabama, Nashville, Tennessee and Beijing, China, we deliver a broad range of custom solutions and packaged business applications. More than 70 architects, software engineers and project managers make up our highly skilled team. Expertise ranges from enterprise application development and integration to consulting, business process management, corporate planning and performance management, business intelligence, project and portfolio management, information integration, collaboration management, IT mentoring and training in new information technologies and service-oriented architectures (SOA).

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