

Cognizant Continues Its Best in Class Delivery with Calypso

Cognizant is a Global Marketing and Implementation Partner to Calypso Technology, a software suite vendor providing front-to-back trading lifecycle management software. Cognizant also provides services to Calypso's Professional Services organization utilizing the software provider's Fast Track solution.

Supported by Cognizant's global delivery capabilities, scalability and system integration expertise, our partnership creates unparalleled value by accelerating your time to market and optimizing your organization's resources.

Technology's Role in Investment Banking & Capital Market: Key Challenges

Keeping Pace

The financial services industry is undergoing radical change with many firms increasingly investing in nontraditional, derivative type assets and OTC products. The introduction of structured products, with their complex transaction types and underlying assets present major difficulties related to pricing and analytics, trade management, risk management and performance measurement. Global investing is no longer restricted to hedge funds and investment banks. Other investors, such as insurance companies and pension funds, are expanding their horizons to keep up with the competition. To stay ahead in this dynamic marketplace, the financial industry needs an IT infrastructure with related business processes that can scale up quickly, while remaining extensible to new products and new markets.

Risk Mitigation

Highly structured products with accelerating volumes pose huge challenges in valuation. Determining their true risk exposure is similarly challenging. Enterprise wide risk management for Market and Credit risk for the entire trading portfolio along with complex exotic and structured instruments has increasingly received more attention due to recent capital market upheavals. As market requirements change, supporting legacy systems are unable to keep pace. Firms are looking for an open systems approach to overcome these changes and no longer have the luxury of time in moving to newer operating platforms, which come with numerous implementation and technology obsolescence challenges.

Calypso is one of the most widely used, technically robust and highly customizable products that serve the Banking and Financial services in the niche area of Derivatives Trading, Processing and risk management. Most banks use Calypso in their Derivatives trading, risk management and analytics areas, taking advantage of the software's core strengths. Further, Calypso Fast Track can reduce risk, time and cost associated with implementation by providing a predefined implementation process that includes preconfigured components that reduce deployment time.

Resource Optimization

Increased market competition has substantially eroded the margins of financial services firms. This has made it imperative for all firms to



tightly manage cost per trade. Calypso helps manage and facilitate efficient and integrated back-office operations for cross-asset class trades in a centralized way. Calypso Fast Track, meanwhile, provides the added advantage of reducing resource requirements, enabling clients to focus on value-added customizations. Time and cost savings extend beyond the implementation with easier system maintenance and evolution.

The Business Solution

To meet unprecedented business challenges, investment banking firms need automated technology solutions to help them keep up with the rapid pace of the industry, while mitigating associated risks, optimizing resources and complying with regulations.

As a leading trade management system, Calypso is used by investment banks and treasury divisions of banks having comprehensive functionality and ability to handle a broad range of derivative products with flexibility to add new structures and hybrid products. It also provides straight through processing and risk management, which comprises both exchange traded instruments and OTC derivatives, and includes cross-asset front-to-back trading and trade processing software, consisting of the all required interfaces and packaged implementations. Calypso's architecture is open; it is Java-based and runs on an RDBMS compatible with UNIX, Windows or Linux servers. It is easily extensible for integration and can trade other derivative products, including FX derivatives, equity derivatives and fixed income derivatives. It can also easily be integrated and customized with generic or specific trading, risk management, clearing and settlement processes.

To leverage these products to their fullest, a strong consulting, implementation & integration specialist is of primary importance. You need a technology partner who can take a macro level view of your business and supporting technology to seamlessly integrate the Calypso suite of products into your organization.

Cognizant's Calypso Service Offerings

Cognizant brings a team of experts who not only understand Calypso products and the technology issues involved in implementing and integrating them with other systems, but also has a strong grasp on your business challenges. Cognizant's experts are experienced in Calypso

deployments and can help utilize the Fast Track program to integrate Calypso products with various third-party systems. We bridge the gap between technology and business, leveraging the full power of these products while helping you stay ahead of the competition. Our service offerings include the following:

Consulting Services

- As-is state analysis, gap analysis, implementation approach & roadmap
- Technical and Functional support for pitches to various banks
- Best practices in implementation & UAT
- Training in Calypso products

Implementation & Integration Services

- Program management, business process planning
- RICE (Reports, Interfaces, Customization & Enhancements)
- System integration

Testing Services

- Product functionality, business flow & system integration testing
- Certifications of product implementation, upgrade & customizations

Application Maintenance & Support

- Application Management and enhancement services
- Incremental Calypso product releases
- Production support
- Incidental resolution through standard production support

The Cognizant Advantage

Business, Technology & Delivery Triple Play

Cognizant brings strong Investment Banking & Capital Market domain knowledge to the table with proven technology leadership in areas such as system integration, database architecture, and scalability engineering, which harness the cost advantages of our finely honed global delivery model. Our team of business domain experts, product specialists and technical gurus has demonstrated expertise in Calypso products and can implement them in ways that tightly align with your business requirements.

Scalability, Experience & Continuous Improvement

As one of the leading players in global IT delivery, Cognizant brings the ability to scale up

quickly and efficiently, bringing cost and time advantages to your organization. Cognizant's culture of continuous learning and improvement -- informed by our institutionalizing of project experiences and knowledge across our client base -- is enabled by our Calypso Center of Excellence (CoE). This CoE ensures our ability to implement Calypso products is continuously enhanced through rigorous and comprehensive training & testing. Our Calypso CoE develops collaterals, reusable components and solution accelerators that deliver productivity gains, cost efficiency, and reduced implementation timeframes.

Complete Product Coverage

Cognizant has Calypso expertise in multiple asset classes across front, middle (Risk and Limit Management) and back office:

- Fixed Income Securities & Collateral Management
- Credit Derivatives
- Interest Rate Derivatives
- Foreign Exchange Trading, etc.

About Cognizant

Cognizant (NASDAQ: CTSI) is a leading provider of information technology, consulting and business process outsourcing services. Cognizant's single-minded passion is to dedicate our global technology and innovation-know how, our industry expertise and worldwide resources to working together with clients to make their businesses stronger. With more than 40 global delivery centers and 61,700 employees as of December 31, 2008, we combine a unique onsite/offshore delivery model infused by a distinct culture of customer satisfaction. A member of the NASDAQ-100 Index and S&P 500 Index, Cognizant is a Forbes Global 2000 company and a member of the Fortune 1000 and is ranked among the top information technology companies in BusinessWeek's Hot Growth and Top 50 Performers listings.

For more information on how to drive your business results with Cognizant, contact us at bfsinfo@cognizant.com or visit our website at: www.cognizant.com.

About Calypso

Calypso Technology Inc, a global application software provider of an integrated trading application suite to the capital markets industry, provides an entire solution including the necessary interfaces, best practice configurations and packaged implementations so that clients have a full, yet simplified solution that addresses the entire trading lifecycle of OTC and Exchange Traded derivatives products. This approach reduces the time to market as well as the total cost of ownership for a financial institution. Calypso Fast-Track is a market standard-based solution for controlling the costs, risks, and time lines associated with implementing the Calypso Trading and Risk Management Platform. The solution features: best-practices business specification; transparent project scoping; pre-configured database, documentation, test case; customization tools; full support; accelerated training; and an open development community environment.

Cognizant has Calypso expertise in multiple asset classes across front, middle (Risk and Limit Management) and back office:

- Product
- Pricing
- Market Data
- Risk

Cognizant Business Consulting - Investment Banking & Capital Markets

The Calypso CoE is part of Cognizant's Investment Banking and Capital Market domain, which falls under Cognizant Business Consulting. This mature practice is comprised of 3000+ business systems analysts, domain experts and technical experts. Our clientele includes major investment banking and brokerage firms across the globe.

Our functional consultants have in-depth knowledge of Derivatives Trading, and the Trade Lifecycle of the OTC market. Our technical team is well versed in Java J2EE, Swings, RMI, JMS and database technology (Sybase / Oracle preferred).

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