

## FIRM BUILDS FIRM FOUNDATION FOR BUSINESS

WITH SEAMLESS SYBASE TO SQL SERVER CONVERSION

Solution Experts Manage All Aspects of a Massive SQL Server Conversion for Improved Performance, Manageability, and Availability of Critical Bank Applications and Data

- **Critical Problem to Solve:** Increasing Batch Processing Loads and Slowing Application Performance Demand a Better, Enterprise-Class Database Foundation
- **Services Experience:** "Every custom application and workflow was converted flawlessly and with zero interruption of our Financial Services business!"

### TECHNOLOGY ENVIRONMENT PROFILE

#### ► Database Environment

25K stored procedures & views  
11K tables  
73 individual databases  
65 custom, production applications  
Development, Test, Production & DR environments

#### ► Custom Workflows

Custom version of Tabular Data Stream (TDS)  
Custom ISQL and BCP interface for UNIX  
Semi-automated conversion of Informatica jobs from Sybase to SQL Server  
Conversion of Advent Geneva RSL scripts  
Rewrite of Advent Geneva PERL & Shell scripts  
Porting of Documentum code to SQL Server  
Conversion of Business Objects back-end  
Port of Cygwin script environment  
Custom SQL Server CLR solution to integrate w/ the bank's  
Single Sign On (SSO) facility at the application and data level

#### ► Critical Competencies Required

NET 1.1 and 2.0  
C and C#  
Polaris  
Shell scripts and PERL scripts  
Java and J2EE  
Advent Geneva RSL  
Powerbuilder 6.5, 8, 9, and 10  
UNIX ODBC  
Non-ANSI SQL code  
Business Objects/Crystal Enterprise  
Documentum  
Cygwin scripts

### CAPAX GLOBAL DELIVERS

**Microsoft**  
**GOLD CERTIFIED**  
Partner

#### SOLUTION SUMMARY

- End-to-End Conversion of 65 Production Applications
- 30x Performance Increase for End-Users
- Improved Clustering and DR
- Zero Impact Delivery – No Business Disruption

#### KEY CONCERN

**"Custom workflows had to be preserved during the conversion process, along with the applications. What made this even more challenging for the Capax team was that the bank couldn't tolerate downtime during the conversion process – it had to be zero impact."**

#### THE BUSINESS CHALLENGE

In the complex environment of this Fortune 100 Financial Services firm, overnight batch processing jobs had reached a critical break point: jobs were taking 7.5 hours to process and threatened to exceed the available window. As another sign of stressed infrastructure, application report performance and User Interface response times were slowing.

Migration from the existing Sybase deployment to a more resilient and better designed SQL Server solution was complicated by a highly complex, custom environment. The number of system elements which had to be catalogued, staged, migrated and tested was exceptionally high. At the same time, the tolerance for business interruption during conversion was zero.

#### THE CAPAX GLOBAL SERVICES SOLUTION

In this project, Capax Global solution experts delivered holistic project planning and turn-key conversion services. These services included all pre-conversion analysis and project planning; conversion of all solution elements such as databases, applications, and scripts; comparison profiling; and testing.

During the design phase, Capax experts delivered comprehensive design specifications intended to assist bank IT personnel in operating and maintaining the new SQL Server deployment. During test, Capax experts provided full support during Technical Quality Assurance and User Acceptance. Our experts also developed data staging scripts and automated test harnesses to help speed validation.

The client's IT team gained confidence from Capax Global's close relationship with Microsoft. "Working with a consulting group partnered so closely with Microsoft gave us the assurance and confidence to trust this team with our most important project," stated the IT Director. "The Capax team never wavered in the face of daunting technical challenges. The end result speaks for itself. Great work!"

## ABOUT CAPAX GLOBAL

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At Capax Global, our stated objective is to leave every client organization stronger than we found it. We employ over 700 of the world's best technologists, people who happen to be great with harnessing complex technology to serve business. Our people have deep knowledge of the industries that we serve, including financial services, accounting and auditing, pharmaceutical and media industries. We specialize in providing end-to-end solution delivery of whatever you need to make IT successful, including solution engagements that support product deployment to your custom requirements, application hosting, and technical staffing solutions.

## THE CAPAX GLOBAL DIFFERENCE

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We offer the best technologists, the best business acumen, and the best consulting methods – so you obtain the best business results possible from consulting services.

- ▶ THE BEST TECHNOLOGISTS AVAILABLE IN THEIR FIELDS
- ▶ OUR BUSINESS ACUMEN MAKES US A BETTER BUSINESS PARTNER
- ▶ OUR METHODS ARE DESIGNED TO DELIVER BETTER BUSINESS RESULTS
- ▶ OUR FLEXIBILITY MAKES US EASY TO WORK WITH

## CONTACT INFORMATION

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### US HEADQUARTERS

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## CRITICAL REQUIREMENTS

The project's complexity arose in part from the large number of different application technologies which Capax Global was required to analyze, remediate, and in some cases re-engineer to ensure appropriate functionality and performance in the UI and business logic layers. In this custom environment, there was a high degree of integration dependency between separate applications.

## SOLUTION RESULTS

The bank achieved substantial benefits from their Capax Global investment:

- The overnight batch window was reduced by 70%, from 7.5 hours to 2.25 hours in duration.
- Not only was batch capacity more than doubled, the batch workflow also gained improved resiliency, with average daily batch job breaks reduced by 2/3.
- Application report performance was increased in some cases by two orders of magnitude (100x), with an average performance improvement of more than 10x.
- Online UI response time was improved a minimum of 30% for all applications, noticeably faster for all users surveyed. Certain applications saw performance enhancements of well over 100%.
- The platform's Disaster Recovery capability was improved with introduction of 3-way clustering and fail-over automation.

Capax was recognized by Microsoft in 2008 for its innovation and technical excellence on this project, receiving the prestigious Microsoft Partner Innovation award.

**Find out why 400 of the Fortune 500 have relied on our team for their Enterprise Content Management, Microsoft, and Information Management requirements.**

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