Offshore Development Environment

It's a 24/7 Market Data Development World

The Issue

One of the largest Buy-Side investment institutions in the world opened a development center in India. The purpose of the Indian Development team was to perform application development and QA duties for both market data applications and infrastructure. One of the first orders of business for the group was to get access to real-time market data to meet their objectives. The institution trades almost exclusively North American securities so even the deployment of a local feed in India would not mean data delivery during working hours. The deployment would require North American market data during local business hours.

The Choices

Developing and testing market data applications requires access to a market data distribution infrastructure that has the relevant data flowing on it. Providing developer groups access to this infrastructure and providing the data they need on the infrastructure is a major cost and administrative burden. Providing these facilities in often remote off-shore development locations can certainly be cost prohibitive, even if the issue of working during non-market hours is discounted. The problem facing the customer was how to achieve this in a cost effective manner.

After balking at the costs associated with delivering real-time feeds to the offshore location, the QA group chose CodeStreet ReplayService for TREP as a highly cost effective alternative market data development environment.

The Solution

CodeStreet ReplayService is a sophisticated TREP (Thomson Reuters Enterprise Platform) simulator that is used in development groups and QA environments at financial institutions on five continents. ReplayService provides an extremely cost efficient means for delivery of market data any time while providing the significant extra value of being able to contrive specific market data scenarios for repeatable testing of applications and infrastructure.

CodeStreet proposed a deployment of ReplayService that recorded market data during North American market hours, and played it back after market hours into their TREP infrastructure with ReplayService acting as an RDF. The India

Development team remotely logs into the North American development network to work with the market data recorded earlier that day.

The Deployment

A series of ReplayService instances were deployed, sufficient to capture and replay the entire North American market activity. The entire process is automated so that minimal administration efforts are required. The offshore group can also access the ReplayService system to make specific requests such as stopping the data, speeding it up or stepping through it when debugging issues.

The Benefits

The client achieved significant savings and a very fast ROI by avoiding the deployment of a comparable infrastructure in India. The deployment time is relatively short and the system was in place within 30 days of project launch.

Perhaps the greatest residual benefit has been for the North American UAT and QA group who also use ReplayService to perform complex and automated regression tests of their market data applications. The market data group themselves utilize the software to monitor their infrastructure and test for capacity and application issues.