

World Wide Development Platform

Using ReplayService as a modern global development platform for Market Data applications

The Issue

One of the largest agency brokerage and technology firms in the world was seeking to establish a world wide standard for their application development, testing, QA and UAT environments. The client operates around the world but was having problems supporting and standardizing their market data QA and development process. This led to a highly fragmented development environment with significant costs for duplicate distribution infrastructures and developer feeds and each market essentially setting their own standards and practices for application development, QA and UAT. This fragmented structure often led to conflicting and costly development practices as well as application failure due to a lack of systematic, rigorous testing practices.

The Choices

The client was a recent purchaser of the Thomson Reuters Enterprise Platform (TREP) and was looking for a means to standardize development practices across markets to reduce duplicate efforts and allow for world wide development of applications in any market by any group at any time. Such efforts would have required expensive scaling of the TREP infrastructure to bring live feeds into each geographic environment across all potential trading markets and significant in house development to build flexible regression testing and data manipulation tools.

The customer turned to ReplayService for TREP for their worldwide solution.

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 around the world. 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's proposed deployment of ReplayService for TREP, with each development group receiving their own instance of the software, enabled the Application Development groups world wide to utilize ReplayService's

sophisticated features. ReplayService was used to record and subsequently replay market data, simulating key components of the TREP infrastructure: RDE, P2PS or RTIC. The product's extremely simple, user friendly GUI makes it easy to become productive almost immediately so that application developers can record and replay the data of their choice without spending significant time and resources learning a new application, allowing them to concentrate their efforts on building applications rather than learning software.

The Deployment

The client took an enterprise license for world wide access to the software for their application developer groups. Each developer has control of his own instance of ReplayService and all of the features to record market data, replay, stress test, debug, manipulate or transform the data to create specific scenarios. For QA and UAT uses, automated regression suites are easily constructed and archived for systematic testing of applications.

The Benefits

The cost savings and efficiencies gained by this enterprise deployment are enormous. Standardization of regression practices alone resulted in significant reduced time to market for their trading applications and empowered their trading quants by allowing them to test for complex market conditions at real time update rates.

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