

## Terraprova



## Financial Service Provider Brokerage Application

### Background

Our client is a Fortune 500 financial services firm with several million investors. They acquired a 3<sup>rd</sup> party application package to implement share lot accounting as well as other back office functions. Initial implementation of the package did not perform to business expectations and Terraprova was engaged to assist in providing performance and stability to the platform.

### Technical Challenges

- **Improve performance of the application**
- **Implement a disciplined methodology for performance testing into the application lifecycle**

Terraprova's approach was two-fold: first understand the current business requirements, capabilities and processes, and secondly, align our performance engineering methodology with the client's requirements so that the value proposition was well defined.

Over the course of several months Terraprova has essentially defined the performance engineering methodology for this critical application, and it is now executed as an integral part of the production readiness cycle prior to deployment on a Solaris based distributed platform.

Several performance and efficiency improvements have been made including:

### Performance Engineering Improvements

- **Administration of performance testing has been substantially simplified by reducing 12 admin points to a single admin window**
- **Test agents for MQ Series interfaces have been developed and implemented**
- **A number of quantifiable improvements in the application have been made including a reduction in fixed income processing of 60%, a 12 fold improvement in bulk data loading, and increased throughput for end of day reporting**

Terraprova's expertise in the application has been leveraged by the client to assist in production support and in building analytic capacity planning models for the operations team.

