REAL-TIME GLOBAL P&L SOLUTION FOR MULTI-STRATEGY HEDGE FUND

DASHBOARD

BUSINESS PROBLEM:

The business encountered significant challenges due to fragmented data storage across various systems. Siloed tools operated independently, creating inefficiencies and hindering collaboration. This situation demanded a flexible yet performant solution to address the business's operational and strategic needs efficiently.

OBJECTIVE:

A customizable, yet highly performant calculation engine. Realtime dashboard aggregating P&L across multiple asset classes tracked from many data sources and trading systems. Instrument level Entitlements. Complex workflows for price adjustments, etc.

SOLUTION OVERVIEW:

With 3forge's data agnostic full stack platform the client seamlessly connected their diverse data sources, added real-time P&L calculations across a diverse set of asset classes and used the 3forge dashboard builder to create a unified set of visualizations. Platform integrations:

1. Executions streaming data source: AMI feed handler is used to obtain real-time executions and necessary reference data.
2. Market data streaming source: Both real-time and delayed prices used for P&L calculations.
3. Separate market data streaming source: Used to Convert instruments' native currency to book value.
4. Databases: Determined which traders could access specific positions, securities and view live vs delayed pricing.
5. Single sign-on: Active directory via the LDAP protocol to perform user authentication.

KEY STAKEHOLDERS:

Traders & Portfolio Managers, CIO, CTO, Operations, Support.

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KEY RESULTS:

The 3forge implementation brought about four significant outcomes:

1. Real-Time Position Tracking: Gained the ability to monitor intraday positions in real-time providing a dynamic view as market conditions evolved throughout the trade day.
2. Start-of-Day (SOD) Visualization: A start-of-day visualization was constructed, enabling business users to review and compare previous day's positions vs current market prices. This feature provided valuable insights into position performance and informed decision-making.
3. Cross Asset P&L calculation: View live P&L across real-time, delayed, and overridden prices.
4. Robust Entitlements: P&Ls are calculated from diverse sources, with traders accessing only relevant calculations based on their entitlements. For example, automatically utilizing real-time or 15-minute delayed prices, permitted securities and positions.

CONCLUSION:

The month-long project has enabled the client to view firm P&L and risk across a hundred PM strategies and regions. The overall real time birds eye view of all firm activities is now accessible by hundreds of individuals across the globe on a "need" basis.