



# Supercharge your FIX Protocol messaging backbone

Zing is the new real-time standard for Java-based FIX applications throughout the trading supply chain

## Java-based FIX Messaging

The Financial Information eXchange (FIX) protocol is the messaging workhorse that powers trading in today's ultra-fast, ultra-competitive electronic markets. Firms rely on FIX as the industry standard for connectivity for trading, clearing and regulatory reporting across asset classes and throughout the trading supply chain. In its base form, the tag-value structure of the standard is not always the most efficient protocol in terms of maximum throughput and latency. As a result, firms with ultra-low latency requirements that rely on FIX need high performance and predictability to trade profitably, manage risk, and to avoid adverse selection in the context of a complex market microstructure.

Conventional one-size fits all JVMs are unable to deliver on meeting the strict performance requirements in spite

of costly attempts at tuning. Consequently, the wrong JVM choice can put firms at a disadvantage that impacts their ability to compete and survive.

The Zing® no-pause ultra-low latency JVM from Azul Systems establishes a new performance standard unmatched in the industry that meets or exceeds requirements for high-speed messaging that include the FIX protocol. Zing is compliant with the Java SE standard and is a full-featured JVM that requires no code re-compilation or special configuration. Tuning is reduced to a single parameter, freeing product development to focus on serving the needs of the business rather than on costly and frequent JVM tuning cycles that fall short of requirements.



## BENEFITS OF ZING FOR REAL-TIME MESSAGING

- **Provide certainty of delivery and performance** Eliminate application pauses and latency spikes
- **Ultra-low latency** Increase throughput at far lower average latencies
- **Improve time to market** Eliminate the need for most application tuning
- **Compatible** Java SE compliant, requiring no code re-compilation or special configuration



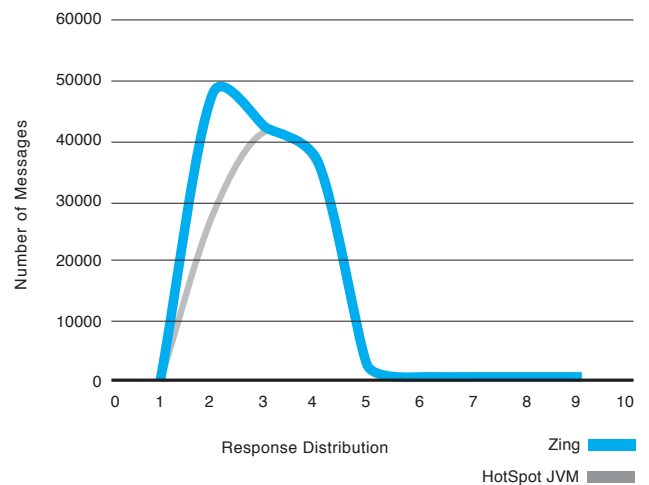
## Solution: Azul Zing

Zing is the best Java performance solution for real-time messaging such as FIX. Azul's advanced technology delivers on high performance with a no-pause ultra-low latency JVM that is unmatched in the industry.

### Zing Dramatically Lowers Average Latency and Removes Outliers

Trading firms with strict ultra-low latency requirements choose Zing to eliminate tail risk associated with the unpredictable behavior of conventional JVMs that adversely impacts profitability. Zing is the new Java performance standard that delivers on the most exacting requirements and on the bottom line.

Throughput Improvement FX Trading Via FIX



Zing lowers max latency by 78% and average latency 3.5% for this FX Trading Application while also delivering more messages at the lowest response band.

Contact an Azul Java Performance specialist today:

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