Java-Based Trading and Market-Making Applications Include the High Performance Zing Java Runtime

OptionsCity Freeway is a fast and powerful server-based, multi-asset trading platform designed for quick development and deployment of custom automated trading strategies. These custom algorithms, defined as Jobs within Freeway, are written in Java or Scala code using industry standard tools and a straight-forward Application Programming Interface (API). Freeway is designed to achieve the highest possible throughput and lowest latency and delivers micro-second execution times.

OptionsCity Metro is a fully configurable electronic trading and market making platform that creates a distinctive edge by enabling options traders to have full control over trading, safety, and risk management. Metro is built for minimum latency and fast execution.

Zing® is a Java SE compliant JVM based on Oracle’s HotSpot. Unlike other JVMs where application processing is interrupted to free up memory, Zing eliminates garbage collection pauses using an innovative technology known as C4 (Continuously Concurrent Compacting Collector). Zing is the only commercially available JVM that can utilize very large memory heaps with pauseless operation.

BENEFITS OF AZUL ZING WITH OPTIONS CITY METRO AND FREEWAY

- Consistent, ultra-low latency performance
- Eliminates application pauses due to JVM garbage collection
- Faster deployment with practically no up-front JVM tuning – works well ‘out of the box’
- Improved stability, availability, performance and scalability
- Rapid resolution of production performance issues using Zing’s always-on visibility tools
OptionsCity Metro and Freeway With Azul Zing

Fast, consistent trade execution is key to your company’s success. By choosing OptionsCity Metro and Freeway including Zing, you will achieve ultra-low latency with pauseless operation for electronic trading and risk management.

Unmatched Ultra-Low Latency Execution
Both Freeway and Metro ship with Zing to achieve low latency and consistent performance other solutions can’t match. Other Java-based solutions inevitably suffer garbage collection pauses that can delay execution. With Zing, OptionsCity eliminates these pauses for superior overall performance.

Zing was designed and optimized for high-value applications where predictable performance is essential. It delivers ultra-low latency Java and Scala performance for Metro and Freeway, which creates new value and new capabilities for OptionsCity customers.

OptionsCity Metro
- Full control over trading and risk management
- Fast quote construction and submission
- Direct exchange connectivity
- Powerful server-side processing and execution
- Mitigate risk through early detection and automated response to market conditions

OptionsCity Freeway
- Ultra-low latency, micro-second execution
- Multi-asset trading platform
- Direct exchange access with collocated servers
- Intuitive, powerful environment for custom algorithm development and deployment

Azul Zing
- Consistent, ultra-low latency performance for Metro and Freeway
- Pauseless operation
- Elastic memory - dynamic, automatic allocation of temporary extra memory based on application needs
- Java SE compliant and based on Oracle’s HotSpot
- Included with Metro and Freeway; completely tested and certified
- Always-on, zero-overhead production visibility tools to resolve performance issues fast

Solutions:
A Scalable, High Performance JVM
Zing provides OptionsCity Metro and Freeway with more consistent, ultra-low latency performance. This provides faster execution of trades and eliminates unpredictable application pauses.

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