# Supercharge Your ActivePivot In-Memory Analytics with Zing

Improve responsiveness and analyze more information at the speed of business with advanced JVM technology from Azul Systems

## Real-time In-memory Analytics Needs a Scalable, High Performance JVM

ActivePivot from ActiveViam (previously known as Quartet FS) is a real-time, in-memory analytics platform that provides instant insight into complex and dynamic data for timely business decisions. It fits in operational systems and provides real-time business intelligence for immediate decision making when and where it is needed.

Zing®is a Java Virtual Machine (JVM) with improved operating metrics. Designed for Java applications and workloads that can include higher transaction rates, greater response time constancy with higher sustained throughput, Zing is the only JVM that can elastically scale in memory and CPU cores and still deliver consistent responses times.

Because ActivePivot aggregates data and performs in-memory analytics on massive flows of data, the ability to hold more information in memory without sacrificing performance and response times, improves decision making and gives businesses a competitive advantage. By deploying on Azul Zing, ActivePivot customers leverage best-in-class Java runtime technology that can dramatically increase in-memory data analysis, improve response time consistency especially during peak loads, and accelerate time-to-market through simplified deployments.

Using ActivePivot and Zing together supports real-time decision making based on large quantities of data. Whether your enterprise is optimizing its supply chain, analyzing counterparty credit risk or improving eCommerce conversion rates, getting results based on all the relevant data in business real-time is critical to your company's bottom line.

## BENEFITS OF SUPERCHARGING QUARTET FS WITH AZUL ZING

· Delivers highly consistent response times, even under large user loads

· Provides faster time-to-deployment with reduced JVM tuning

· Lowers back-end costs through use of cost-efficient x86 hardware

· Increased production-time visibility through the Zing Vision monitoring tool

## Solution: A Scalable, High Performance JVM for Data Analysis

Zing provides ActivePivot deployments with the ability to analyze dramatically more data and support more simultaneous users with greater response time consistency at higher sustained throughput than conventional JVMs. This allows companies to move their data to business real-time and incorporate more relevant data for better decision making.

### Quartet FS ActivePivot

- In-memory object-oriented OLAP engine
- Handles massive flows of data
- Continuous event processing and analysis of the most up-to-date data
- Tailored business logic based on the unique needs of your business
- Instant 'What If' analysis on large data volumes
- Informed business decisions to manage risk
- Fits easily into your existing architecture

### Azul Zing

- Very large in-memory data sets with pauseless operation
- Supports more simultaneous users, even at peak times, with greater responsiveness
- Elastic memory—dynamic, automatic allocation of system memory based on application needs
- Java SE compliant and based on Oracle's HotSpot
- Requires no changes to the application

### Make Better, More Timely Decisions

Quartet FS was founded in response to demands from industries with complex business models and a need to make timely decisions. Quartet FS' real time business intelligence and business activity monitoring solutions cross many disciplines, all of which demand accurate information for in-memory analytics and decision making. This includes risk management, eCommerce, retail and logistics.

Quartet FS and Zing are compatible and designed for easy integration into existing architectures and offers flexibility to meet different business requirements, providing fast return on investment (ROI).

### Zing: the Best Java Runtime for Your Quartet FS Deployment

Making the best decisions based on real-time data is critical to your company's success. By deploying Quartet FS in-memory analytics on Zing, you will be able to analyze more data with highly consistent response times, even under heavy user loads, for better, more timely decisions. Zing supports more simultaneous users, even at peak times, with greater responsiveness.

## Solutions for:

### Financial Services

- Risk Management
- Real-Time P&L

### Logistics

- Supply Chain Visibility
- 3PL SLA Management

### eCommerce

- Traffic Optimization
- Dynamic Pricing

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