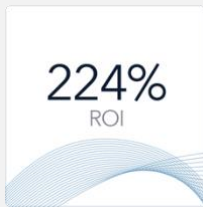# Azul Platform Prime
Prime Java Performance | 50% Infrastructure Savings

Reduce Infrastructure Costs with Azul Platform Prime

Whether your interest is architecture, development, or DevOps, Azul Platform Prime improves the consistency and performance of your Java Virtual Machine-based applications, meaning fewer cloud instances, servers, and happier customers.
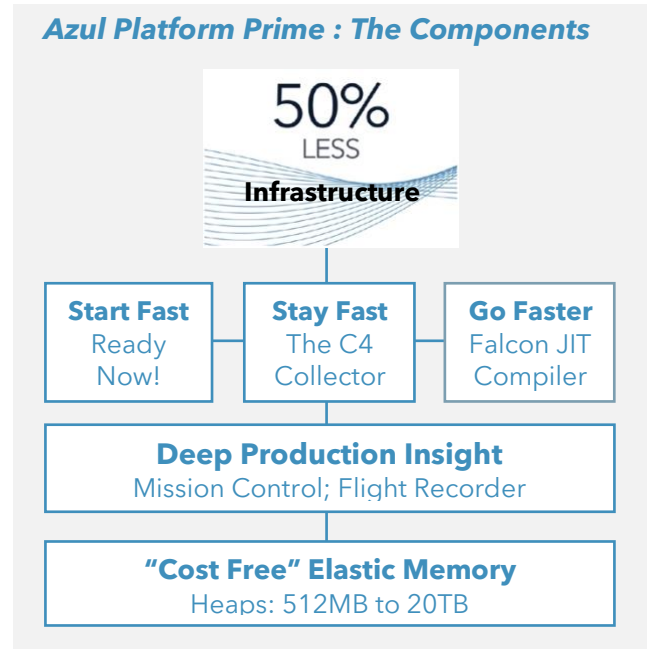
224%
ROI

Forrester: "Azul Platform Prime achieves 224% ROI."
Learn how four innovative customers used Azul Platform Prime to reduce total server count, simplify operations, and improve developer productivity—all while driving down operating costs as much as 50%.
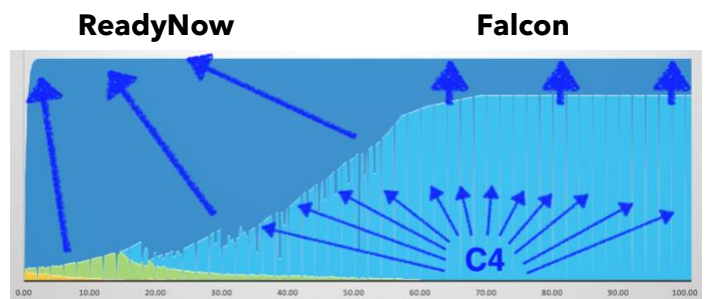
> *"With Azul Platform Prime, we reduced our front-end server footprint by 30%, which is hundreds of servers, and our database server footprint by 50%. This translates into millions of dollars in savings, both hardware we freed up and hosting costs avoided."*

Ariel Pizetsky, VP of IT
Taboola

Azul Platform Prime : The Components

50%
LESS
Infrastructure

Start Fast	Stay Fast	Go Faster
Ready Now!	The C4 Collector	Falcon JIT Compiler

Deep Production Insight
Mission Control; Flight Recorder

"Cost Free" Elastic Memory
Heaps: 512MB to 20TB

Speed Up, Warm Up and Remove Stalls
Speed (with contribution by optimization level)

ReadyNow   **Falcon**

Azul Platform Prime Advantages

- 50% reduction in TCO vs. other Java platforms
- Easy to install, no kernel module, nor root privileges required, more container friendly

- Supports Java heaps up to 20 TB, reducing or eliminating the need for off-heap technologies
- Delivers a consistent user experience
- Scales rapidly, with sustained memory allocation rates beyond 30GB/sec

- Removes Java Garbage Collection pauses as a factor limiting your business
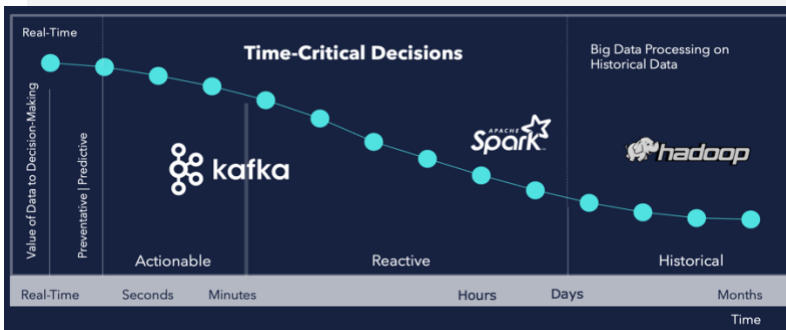- Minimizes JVM and application tuning, for faster time to market
- Optimized for x86/64 servers and all major Linux distributions

Azul Platform Prime
Prime Java Performance | 50% Infrastructure Savings

Azul Platform Prime delivers exceptional power for your mission critical JVM-based **Big Data, Event Streaming, Search** and **Application Infrastructure** Technologies.
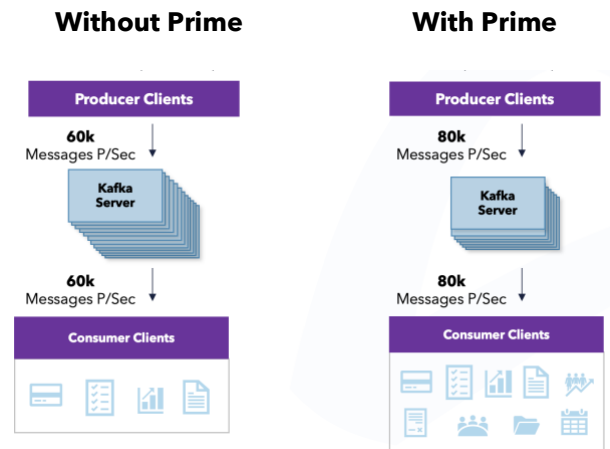
Whether your technologies are home-grown Java, Scala, Clojure or any other JVM-based languages, or open source technologies like **Kafka, Cassandra, Spark, Elasticsearch, Solr, Hazelcast, Ignite, Neo4J, Hadoop, Netty, Tomcat, JBoss**, Azul Platform Prime means smaller infrastructures, greater consistency, significantly improved operational resilience and reliability, less tuning and support, improved performance and much happier customers and users.

"Having a product that I don't have to adjust and change and modify and work with and turn a bunch of switches and dials has been great, and the support has been excellent. The best that I've ever dealt with."

Ted Boehm, Chief Platform Architect,

mastercard.

Through increased throughput, removing Java pauses and faster warm-up, make your JVM applications sing!!

With Prime: Easier Management; More Throughput; No Glitches; SLA's Achieved; Lower Infrastructure Costs; Happier End-Users and Customers.

Common Use Cases

High frequency trading, IoT messaging, payment processing, fraud detection, better online shopping experiences, fast response search, e.g., social media platforms, content management systems, geo-search, healthcare communication system responsiveness, fast messaging and many more use cases.

Deploy on Bare Metal and in Cloud: Make more use of your existing infrastructure and/or reduce your cloud costs

Azul Platform Prime Advantages Continued

Takes full advantage of the large memory and multiple CPU cores available in today's servers

Ensures consistency; eliminates response time and latency outliers

Starts fast, stays fast, solves 'warm up' issues

azul

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