



**IMPROVE JAVA
APPLICATION
PERFORMANCE AND
REDUCE CLOUD
WASTE WITHOUT
CHANGING A SINGLE
LINE OF CODE**

azul

DevOps is under pressure to modernize applications -- make them run faster, move them to the cloud for scale & cost efficiency, and start faster with reduced latency for improved user experience -- while freeing limited developer resources for enhancement projects vs. maintenance. This is being compounded by:

- End-user complaints due to application performance or latency.
- Out-of-control cloud costs despite FinOps trying to optimize compute capacity.
- DevOps spending endless hours addressing performance or operational issues.

What if you could seamlessly move to a solution that does not change a single line of your Java code but gives you the fastest possible code execution for Java applications?

Also, what if it could reduce your cloud waste and increase your DevOps efficiency?

Only Azul Platform Prime has superior performance, faster warmup, and increased consistency to deliver predictable latency at high loads unattainable with other Java Virtual Machines (JVMs).

FASTER WARMUP	LOWER OVERALL LATENCY	FASTER, MORE CONSISTENT EXECUTION
Dynamically scales to meet load at critical business times.	Lower response times have large effects on business.	Latency outliers and long pauses can disrupt business even if average latency is acceptable.
Full performance from the outset, reducing latency at peak times (e.g., retail rush, online gaming, or market opening).	Meets performance SLAs for customer-facing applications or choke points in critical business processes.	Eliminates pauses, stalls, jitter for applications with extreme sensitivity to latency spikes.

AZUL PLATFORM PRIME PERFORMANCE

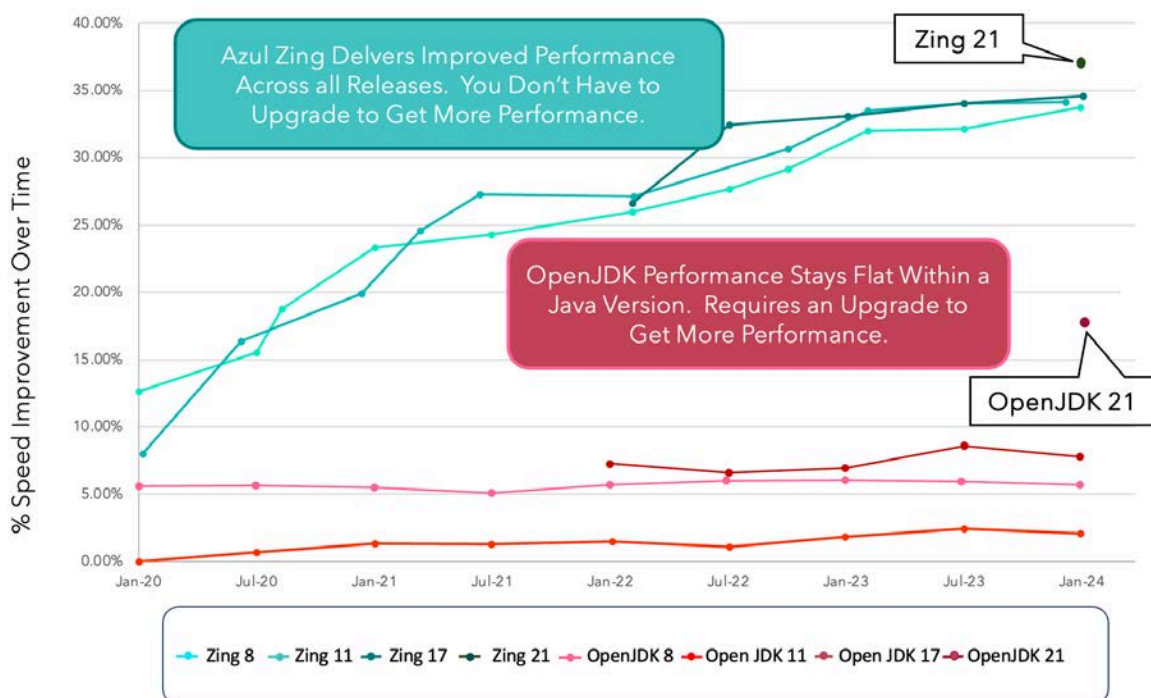
Azul Platform Prime includes Azul Zing, an enhanced build of OpenJDK, with optimizations that deliver the highest, most consistent performance at the lowest operating cost of any JVM:

- Falcon JIT Compiler: delivers 20-50% faster code execution with improved code optimizations using a better LLVM-based JIT compiler.
- C4 Garbage Collector: pauseless collector provides consistent execution to maintain service levels at higher loads, reduce noisy CPU usage, and eliminate outliers, stalls, and jitter.
- ReadyNow: improved warmup of Java applications enables running code at full speed from the outset, increasing application elasticity and dramatically reducing disruptions.

Azul Optimizer Hub is an optional component of Platform Prime that includes two centralized JVM services: Cloud Native Compiler and ReadyNow Orchestrator, both external to the Zing JVM and deployable in the cloud or on-premises to ensure smooth Java rollouts and optimal customer experience at minimal cost.

THE "PERFORMANCE" GIFT THAT KEEPS ON GIVING.

Azul Prime (Zing) gets faster over time and you do not have to upgrade to the next Java LTS release to gain this performance advantage. Azul's performance engineering lab continuously works to measure and improve Prime's performance vs community and customer performance benchmarks. Your investment in Prime continues to yield performance benefits that grow quickly.



FASTER IS BETTER, BUT HOW DOES IT TRANSLATE TO CLOUD COST SAVINGS?

A high-performance JVM can reduce cloud compute costs by 20%+. This is because faster, more consistent Java code execution results in fewer compute resources needed for the same workload, lowering cloud bills.

Cloud architects and performance engineering teams use Platform Prime to reduce cloud waste and leverage committed cloud spend, all while improving carrying capacity and maintaining service levels for growing cloud workloads.

IMPROVES CUSTOMER EXPERIENCES ACROSS INDUSTRIES

- Technology Sector: Improve customer experience with faster interactions.
- Banking and FinTech: Real-time authorization, fraud detection, and faster transactions. Real-time authorization, fraud detection, and improved transaction speed.
- Digital Commerce: Instant data or pricing information readily searchable. Consistent performance & burst scale without absorbent cloud spend, maintaining consistency against customer traffic volatility.
- Ad Tech: Real-time content and ad recommendations.
- Gaming: Reduced game lag for more in-game revenue and faster time to market.
- Trading Platforms: Peak performance at market open, faster trades trade execution.



Award-winning recognition for its exceptional performance in reducing cloud infrastructure costs while enhancing application performance. As a commercial distribution of OpenJDK, Azul Platform Prime offers superior performance, consistency, and efficiency, backed by 24x7 support.

WHY AZUL PLATFORM PRIME

Azul Platform Prime is the world's fastest, most efficient, and scalable JVM. It is a high-performance version of OpenJDK that delivers superior performance, carrying capacity and user experience:

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| <ul style="list-style-type: none">• Improves response times and accelerates transaction speed.• Lowers CPU usage and reduces cloud waste.• Serves more demand with the same resources.• Delivers consistent carrying capacity while meeting service levels as loads increase. | <ul style="list-style-type: none">• Reduces pauses, time-outs, glitches, and stalls.• Accelerates warm-up of Java applications.• Minimizes performance tuning.• Absorbs market volatility or web traffic spikes• Optimizes large applications (e-commerce) split across microservices. |
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ABOUT AZUL

- Only company 100% focused on Java
- Millions of Java developers, hundreds of millions of devices, and the world's most highly regarded businesses trust Azul to power their applications with exceptional capabilities, performance, security, value, and success.
- Azul customers include:
 - 36% of the Fortune 100, 50% of Forbes top-10 World's Most Valuable Brands.
 - 100% of the world's top-10 financial trading institutions.
 - Leading brands like Avaya, Bazaarvoice, BMW, Credit Suisse, Deutsche Telekom, LG, Mastercard, Mizuho, Priceline, Salesforce, Software AG, and Workday.

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