Zing is the Best Java Runtime for Wireless and Service Provider Applications

Azul Zing® is a better JVM that delivers consistently better performance for customer-facing and even network-side apps

Wireless Business Systems Rely on Java

Java is widely-used, essential, mature technology that has been deployed across the wireless sector for nearly twenty years. The language and its managed runtime (the Java Virtual Machine, or JVM) are critical for wireless and wireline service providers.

Most service providers have deployed Java-based systems throughout their IT infrastructure and selectively within their network operations as well. Their Java portfolio includes customer-facing Web portals, online stores, billing systems and many other key systems – both off-the-shelf and home-grown.

However, when new offerings cause surges in subscriber demand, many critical systems can become overloaded or unresponsive. This leads to missed SLAs, frustrating wait times for subscribers and lost business opportunities.

One cause of this poor application performance is conventional Java Virtual Machines (JVMs). Traditional JVMs are limited in the amount of heap memory they can use without long garbage collection (GC) pauses: when demand spikes, Java applications on these JVMs can stall. Now a game-changing JVM from Azul Systems eliminates these pauses and stalls and provides nearly unlimited scalability with predictable performance.

Introducing Zing®

Azul Systems Zing is a better JVM that delivers consistently better performance – especially for customer-facing business and IT systems, but also ranging into the network side of Tier 1 operators.

Azul Zing solves Java garbage collection, providing nearly unlimited scalability for Java-based applications and guaranteed predictability, even under unpredictable load. Zing is designed for business real time and removes barriers to using Java applications to support new revenue models such as Cloud offerings or new online services.

Zing also streamlines resolution of production performance issues using a runtime monitoring, diagnostics and tuning tool called Zing Vision. It is zero overhead, always-on and fully instrumented into the JVM so it can be used in production without fear of impacting running applications.

BENEFITS OF AZUL ZING FOR WIRELESS AND SERVICE PROVIDER APPLICATIONS

- **Meet Strict SLAs** and regulatory requirements
- **Grow online and mobile** ecommerce initiatives
- **Reduce or eliminate gateway bottlenecks** due to Java garbage collection
- **Launch new business models** leveraging Cloud-based offerings
- **Get more business value** from your Big Data initiatives
- **Ensure consistent, reliable operation** of BSS/OSS
- **Leverage our proven success and experience** from global Tier 1 deployments

How Zing Benefits Your Business

Customer Contact Center:
- Hold far more customer data in memory for faster response, higher efficiency and better customer satisfaction
- Leverage customer information to offer the right mix of targeted services to each individual
- Provide better self-service offerings to drive down call center costs

Lines of Business:
- Improve performance of Online Stores without re-architecting – no months-long delays
- Launch new handsets without crashing provisioning systems
- Create new cloud-based services
- Use more real-time data in analytics, Big Data and reporting systems
- Ensure regulatory and SLA compliance

Mobile Payments:
- Build a mobile payments infrastructure that is robust and responsive, regardless of load
- Scale in real-time to keep up with demand
- Improve the business value of Big Data analytics systems

Wireless IT:
- Build Big Data initiatives that meet SLA targets consistently
- Improve the customer experience in weeks, not months
- Be certain your infrastructure can handle surges in subscribers
- Ensure consistent, reliable operation of BSS/OSS
- Reduce the number of servers needed to support daily operations

Zing: The Best JVM for Service Providers

Zing supports your innovative business strategies and growth. Your applications will run better – more scalable, reliable and consistent – even under unpredictable loads. Mission critical Java-based applications will be able to meet stringent SLAs and provide a great customer experience with no coding changes or porting. With Zing, you can also create new business opportunities around Cloud-based applications and online services with confidence.

Get Started Today

Your strategies and goals rely on the performance of feature-rich, mission-critical Java applications. With a robust, scalable Java infrastructure based on Zing, you'll be able to support subscriber growth and new business opportunities other JVMs just can't handle.

CUSTOMER SUCCESS

Wireless Service Provider

Problem:

Current JVM was not able to support demand on the company's mobile eCommerce site during the holidays.

Solution:

Azul Zing.

- 2.5x more simultaneous web sessions per instance
- Each server can handle more load due to higher sustained throughput
- No more garbage collection pauses that caused long wait times and abandoned purchases
- Eliminated lost revenue due to new sessions being rejected by overloaded servers
- Improved overall platform performance

To get started, contact us:

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