Scale Java-based systems without rearchitecting

Get more out of Java-based analytics, automation, back office, and IoT applications by deploying on Azul Zing®

Energy and utilities face increasing pressures

Regulatory requirements, risk management, the Internet of Things (IoT), aging assets, the explosion of sensor data and cyberattacks all put more pressure on your Java-based systems. You've probably seen the signs – slow response times, incomplete reports, system crashes and bills for more hardware. Unfortunately, buying more hardware or spending hours tuning your existing Java infrastructure won't solve the bottlenecks. To ready these systems for massive datasets and tightened response time requirements, you need a better Java infrastructure.

Modernize systems, without recoding

Many analytics, big data, security information and event management (SIEM), are built in Java, as are middleware and customer-facing systems. Additionally, the IoT increasingly runs on Java. To be effective, these systems must gather and process massive volumes of information and provide fast access for users.

But as data and user volumes grow, these Java-based systems can slow down and become less reliable because of limitations of traditional Java Virtual Machines (JVMs).

The solution is Azul Zing, a high scale, high throughput JVM designed for systems with large datasets and heavy user loads. Zing ensures consistent, reliable data processing and user-facing response times. It is the only JVM that allows existing systems to handle today's demands.

Any system that needs always-on reliability, operates under an SLA or is critical to business operations needs Zing. Common use cases include:

- Asset management
- Cybersecurity systems
- Predictive analytics
- Smart meters and smart grid
- GIS data and seismic data
- Maintenance management
- Risk management and regulatory compliance
- 3D modeling and printing
- Cognitive computing
- Mobility and collaboration systems

BENEFITS OF AZUL ZING FOR ENERGY AND UTILITIES COMPANIES

- Make faster and better decisions in the field

- Enable real-time analytics and predictive capabilities

- Extend applications to more mobile and field users without performance penalties

- Free up developer time for innovation

- Positively impact server P&L

- Ensure security systems are able to analyze and react to information in real time

Solution: Deploy Java-based Systems on Azul Zing

Zing allows energy and utility firms to get more out of all their Java-based systems to optimize maintenance, maximize production, leverage scarce resources, mitigate risk and improve competitiveness.

AZUL SYSTEMS®

Sensor Count Exploding

Customer Demands for Information

Pressure from Alternative Energy Sources

Aging Assets

Escalating Cyberattacks

Tracking 1000s of Assets

More Business Risk

Increasing Regulation

Remote Employees

Increasing data set size

More requirements for real time information

Rising server/infrastructure costs

Higher demand for business agility

More need to be predictive/proactive

YOU NEED ZING

Get Up and Running Fast

Zing delivers great results out-of-the-box. Many companies test and deploy in just a few weeks. Zing is fully Java SE compliant, requires no coding changes to your existing applications and needs almost no tuning.

You'll see the benefits right away – faster reporting, more real time information, better predictive analytics and more opportunities for innovation.

Get Started Today.
To try Zing with your applications, contact us:

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