



Azul Systems

An Alternative Provider to Oracle Java SE Focusing on Cost Avoidance and Improved Service for the United States DOD and Civilian Agencies

On April 15, 2020, the Department of Defense (DOD) Enterprise Software Initiative (ESI) awarded Azul Systems, via ImmixGroup, an enterprise wide BPA Catalog on NASA SEWP for all of DOD, United States Coast Guard, and the Intelligence Community. <https://www.esi.mil/default.aspx>

The DOD specifically set up this contract to replace and reduce their Oracle Java expense and move to more flexible terms and conditions that better support the DOD mission. DoD ESI customers may now order Azul software through the NASA SEWP catalog. <https://www.esi.mil/contentview.aspx?id=1045>

Azul Systems has replaced Oracle Java Standard Edition for over 600 customers globally including the federal government at US Courts, Department of Interior, and Federal Reserve Bank.

Azul Systems <https://www.azul.com/> specializes in delivering server and desktop-based Java SE compliant OpenJDK builds and high quality support ensuring timely security updates for the VA's Java environment at a lower cost.

Azul is exclusively focused on Java and the Java Virtual Machine (JVM), and it builds fully supported, certified and standards-compliant Java distributions for Enterprise, Cloud, and embedded/Internet of Things (IoT) environments.

Azul Systems meets all of the requirements for Java support. In addition:

- Azul Systems support is at a lower cost than Oracle.
- Azul Systems supports all LTS versions of Java for a longer period of time than Oracle.
- Only Azul and Oracle make and deliver two sets of quarterly Java updates:
 - "CPU" Critical Patch Updates: security-only – designed for rapid production deployment, while maintaining VA's current LTS version (Azul back ports patches to prior releases)
 - "PSU" Patch Set Updates: a bundle of new features, and bugfixes PLUS security patches. VA may deploy on their schedule, and not have to worry about adding risk on a quarterly basis.
- Azul protects Java-based organizations with:
 - Security update delivery backed by a strict SLAs
 - 100% open source builds that are TCK-tested and certified
 - A wide variety of packaging and delivery options, including full support for Java 8 & 11, in addition to more Java versions and OS' than even Oracle (ex. Java 6, 13, 15, etc.)

Select Azul Customers that switched from Oracle Java:

Customer successes <https://www.azul.com/resources/-/success-stories/#other-clients>

Microsoft – Azul Zulu is the standard Java distribution for Azure and Azure Services

Through Microsoft's collaboration with Azul Systems, Azure and Azure Stack customers can use tested, certified Zulu Enterprise builds of OpenJDK backed by Azure Support – at no additional cost.

As a result of this initiative, first announced August 2013, Azure-based Java developers are able to access long-term support (LTS) Azul builds of OpenJDK. These builds include Java 11, 8, and 7, with future LTS builds available when released by Azul Systems. Furthermore, Azure users can build unlimited Docker images which include the supported Zulu Enterprise builds of OpenJDK using production editions of any Windows or Linux distros available on Azure.

Background: In late 2012, Microsoft approached Azul Systems with a bold proposal: They wanted to offer Java on the Azure Cloud, unencumbered by complex licensing or end-user restrictions. By the Summer of 2013, Azul Zulu was born and formally launched that fall at JavaOne.

Today: Azure and Azure Stack customers can access fully supported Zulu Enterprise builds of OpenJDK from multiple locations for Windows, Linux, and macOS. For more details, check out this Azure blog post.



“Our relationship with Azul began seven years ago when together we brought open source Java to Microsoft Azure. Azul is well-positioned to assist the Java community with building, migrating and scaling apps in the cloud. We look forward to continued innovation from Azul as they broaden their product portfolio to best serve our Azure customers.”

Amanda Silver, CVP of Product for Developer Tools at Microsoft Corp.

United States Courts – Reduced Java costs by 55% and improved system performance by 30%

Problem to Solve: A costly Oracle Java support agreement required US Courts to explore alternatives to Oracle. In addition, existing Java-based applications were suffering greatly from extremely long garbage collection (GC)-induced pauses. This meant essential functions of US government court systems were impacted adversely: US Courts couldn’t schedule trials, manage courtroom availability, or in some cases allocate judges to the trials that they were supposed to preside over, compromising the efficiency and integrity of the court system.

Results with Azul: After deploying Azul Zing, the stalls, pauses and jitter that had been disrupting court operations for years disappeared immediately. The US Courts IT organization has renewed their Zing subscriptions and expanded their Zing footprint multiple times since the initial installation.

As the largest company 100% focused on Java and the JVM, exclusively delivering JVMs to the enterprise for 15 years and used by hundreds of thousands of Java developers and millions of connected devices, Azul’s great strength is the depth, breadth, quality, and responsiveness of its customer support. With these clear benefits over Oracle, Azul is strongly positioned to gain significant share during this market shift.

Azul’s product portfolio

Azul Zulu Enterprise

A 100% open source, fully standards-compliant Java Development Kit (JDK) and runtime platform with flexible pricing and support plans, no proprietary licenses or field of use restrictions, timely security updates, and great support from Azul’s globally-distributed support team. The level of support is extremely important to many customers, as one survey respondent, a VP of Global Information Security, explained: *“One of the big benefits of Zulu is its strong support and the optionality of the level of support you want to receive. Customers perceive Azul as really trying to work with them to find the best solution that fits their business needs.”*

Azul Zulu Embedded

The only 100% open source Java platform for IoT and embedded applications that is fully certified for Java SE compliance and completely customizable for embedded systems in Java-based products such as routers and switches, ATM machines, Point of Sale (POS) systems, avionics systems, RFID readers, and vehicle-based communication platforms, as well as robust, high-function designs throughout the IoT.

“I would recommend Azul Zulu Embedded to anyone who wants to get started or switch from Oracle,” said one of the survey respondents, a CTO. *“I’ve had a great experience on support and pricing. They are quick responding to issues, active in the Java community, and reactive when there is a bug.”*

Azul Zing

The only JVM with pauseless garbage collection technology, ensuring fast startup and consistent high performance without GC pauses, jitter, or application timeouts. Optimized for Linux and x86, running on-premises or in the cloud, Zing is designed for critical applications and production workloads ranging from web-facing apps with human-facing response times to latency-sensitive C3I platforms.

“They were the only JVM that we could truly trust to not fail us,” said one survey respondent, a VP of Infrastructure Technology and DevOps. *“In a high-stakes environment,”* said another respondent, a CTO, *“you cannot afford anything less than Azul.”*

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