

# Azul Platform Core provides Certified Builds of OpenJDK with Cost-Effective Timely Security Updates

## Open Source Java Standard Edition for Linux, Windows, Solaris, and macOS on x86, Arm and SPARC

- Azul Zulu Builds of OpenJDK are fully certified and 100% open source Java Development Kits (JDKs) delivered by Azul Platform Core.
- Easy to download and use without restriction
- Built from source code maintained by the OpenJDK Project ([openjdk.java.net](https://openjdk.java.net)).
- Allows developers and operations teams to leverage the latest advances in Java Standard Edition (SE).
- Supports multiple operating systems (Windows, Linux [including Alpine], macOS, Solaris), various installers and package formats (DMG, MSI, RPM, DEB, APK, etc.), processor architectures (x86, Arm, PowerPC, and SPARCv9), bitness (32- or 64-bit), Java patch levels, and disk and memory sizes where JREs, modular builds or Compact Profiles (Java 8 only) may play a part in production deployment strategies. Azul Zulu supports the widest range of platforms and binary file types compared to any other OpenJDK distribution.

With extended support for multiple Java versions (currently JDK 17, 15, 13, 11, 8, 7 and 6), Azul Platform Core is ideal for organizations and businesses that require regular Java security updates backed by strict SLAs, plus optional support for selected older versions of Java.

## Azul Zulu Builds of OpenJDK: Open Source Java

- Each Azul Zulu binary is verified compliant with the Java SE specification using the OpenJDK Community Technology Compatibility Kit (TCK) licensed from Oracle, a test suite of more than 120K unit tests.
- Azul Zulu bundles carry additional intellectual property (IP) rights granted by passing the TCKs as defined by the Java Specification Participation Agreement and provides extensive IP rights to compatible and specification compliant implementations.

### 100% Open Source

Azul Zulu is based on the OpenJDK open source project and licensed under GPL v2 with Classpath Exception. They meet the Java Standard Edition (SE) specifications for Java 17, 15, 13, 11, 8, 7 and 6.

### New extended capabilities

Azul Platform Core subscriptions include full support for Java Flight Recorder and Azul Mission Control for Java 8 and higher. Azul Zulu with JavaFX support is available for Java 8, 11, 13, 15 and 17.

### Use without restrictions

Azul Zulu binaries are available from the Azul website and Azul repos, and can be readily and easily integrated into your development and production processes.

- Verified Azul Zulu bundles also undergo license non-contamination certification by Azul and provide broad indemnification against contamination issues.

## Timely Security Updates

- Azul provides customers with quarterly access to the latest Java security only *Critical Patch Updates* (CPUs) for all supported Azul Zulu versions including Java 17, 15, 13, 11, 8, and 7. These quarterly CPUs are security-only updates, designed for rapid deployment in production. Only Oracle and Azul make quarterly CPU updates available backed by strict SLAs.
- All free OpenJDK builds only provide *Patch Set Updates* (PSUs) that merge security updates with backported features and bugfixes and require extensive testing before being placed in production. Only Oracle and Azul deliver both CPU and PSU updates on a quarterly cadence.

## 24 x 7 x 365 Support Offerings

Java is a mature language, but the complex Java runtime offers no bug-free or security guarantees. With Azul Platform Core, you have access to a dedicated Support team that can i) triage Java runtime problems, ii) identify offending code (i.e. perform root cause analysis) and iii) issue temporary patches or security fixes without any dependency on any other company. Azul Platform Core Platinum Support customers have access to an industry-leading 48-hour support SLA for all critical security issues. With more than 18 years delivering mission-critical support for Global 1000 accounts, Azul has the dedicated Engineering and Support staffing and deep Java domain expertise that ensure development and operations teams can run their applications smoothly.

## Azul Zulu Builds of OpenJDK Features

- 100% open source Java, built from OpenJDK sources
- Free to download and use, with cost-effective support options
- Verified using OpenJDK Community TCKs
- Performance parity with Oracle HotSpot Java SE

### Fully supported by Azul

With cost-effective and tiered support options, Azul's globally distributed team has over 18 years of experience supporting mission-critical Java deployments.

### Timely security updates

In January 2019, Oracle ended free public updates (security patches and platform-level bug fixes) for JDK 8 and JDK 11, leaving Java-based businesses with a difficult set of alternatives. Azul Platform Core is a cost-effective way to ensure guaranteed timely access to Java security and stability updates.

### Medium and Long Term Support

Azul provides Medium Term Support (MTS) for JDK 13 and 15 in addition to Long Term Support (LTS) releases.

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- Industry-leading multi-platform coverage:
  - Java 17, 11, 8, and 7 plus future Long Term Support (LTS) releases
  - Medium Term Support for JDK 13 and 15 (18+ month bridge to JDK 17 LTS builds)
  - Windows, Linux (including Alpine Linux), Solaris, and macOS
  - x86, SPARC, and Arm processor support
- Continuous, timely access to Java CPUs, security patches and bug fixes
- Extended product life cycles and selective access to preview and other feature builds, including JDK 18
- Support for key security protocols: TLS 1.3, TLS 1.2, TLS 1.1, TLS 1.0, SSL 3.0 and SSLv2Hello

## Azul Platform Core: Backed by the industry's best support SLA

Azul offers world-class support services for Azul Platform Core. Our highly trained customer support engineers have extensive Java experience and deep knowledge of the JVM, memory management, Java performance issues, and usage of production application visibility tools. Three levels of enterprise technical support subscriptions are available for Azul Platform Core:

	Standard	Premium	Platinum
Quarterly releases	✓	✓ <b>Plus:</b> Out-of-cycle bug fixes & early release access	✓ <b>Plus:</b> Out-of-cycle bug fixes & early release access
Support hours and first response SLA	Business hours, next business day	24x7x365, one hour first response	24x7x365, one hour first response
Channels	Limited tickets & phone/email/web support	Unlimited tickets & phone/email/web support	Unlimited tickets & phone/email/web support
Quarterly security update SLA	15 days	7 days	48 hours

## Azul's Support Lifecycle for the Future of Java

In September, 2017, Oracle announced that Java SE was moving to a 6-month release cadence. New "Features" releases appear in March and September of each year.

- Long Term Support (LTS) releases of Java will ship every 3 years. The next LTS release after JDK 11 is Java 17 (September 2021). JDK 8 will be supported by Azul until at least December 2030; JDK 11 until at least September 2026.
- Unique within the Java community, Azul also provides Medium Term Support (MTS) for select interim releases - Azul Zulu 13 and Azul Zulu 15 - between LTS releases, enabling Java users to access select features that would be otherwise unsupported between Java 11 and Java 17.

## Azul Platform Core Ensures Cost-effective Access to Java Security Updates

Backed by a team of JVM engineers that is second in size only to Oracle, Azul Platform Core is available for more file types, operating systems, and major releases of Java than any freely-downloadable builds of OpenJDK. Azul Platform Core Support plans are designed to ensure that Java users have rapid access to **timely security updates**, back ported fixes, innovative features and IP protection that meet the needs of development, QA and Operations teams responsible for essential Java-based applications, infrastructure and performance.

## Supported Platforms

### Virtual Environments

Included with Docker, VMware, Hyper-V, KVM

### Cloud

Amazon AWS (EC2 and S3) Microsoft Azure, Google Cloud, and private or hybrid Clouds

### Java Versions on x86

Java SE 17, 15, 13, 11, 8, and 7 for x86-64 and x86-32, for JDK 6 contact Azul Sales

### Java Versions on Arm

Java SE 17, 15, 13, 11 and 8 for ARMv8 64-bit

### Java Versions on Solaris (x86 and Sparc)

Java SE 11, 8, 7, 6

## Contact Azul

385 Moffett Park Drive, Suite 115

Sunnyvale, CA 94089 USA

+1.650.230.6500

<https://www.azul.com/products/core/>