Azul Zulu builds of OpenJDK

October 2025 Quarterly Update

Release Notes

Revision 1.1

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Revision History

Revision	Date	Description
0.1	October 21, 2025	Initial version of the document.
1.0	October 21, 2025	Added CVE information.
1.1	October 30, 2025	Correct version for Zulu 21 CA PSU.

Release Details

This release is the October 2025 quarterly update release for Azul Zulu Builds of OpenJDK version 25, 21, 17, 11, 8, 7, and 6.

The following table describes which Azul Zulu versions are published with this release.

Azul Zulu Version (*)	Update Type (**)	JDK Version	Based on		JavaFX Version
			Azul Zulu Version	JDK Version	
25.29.12 (SA)	CPU	25.0.0.0.101+1	25.28	25.0.0+102	25.0.1+100
25.30.17 (CA) 25.30.18 (SA)	PSU	25.0.1+8	25.29	25.0.0.0.101+1	25.0.1+101
21.45.14 (SA)	CPU	21.0.8.0.101+1	21.44	21.0.8+9	23.0.4.0.101+101
21.46.19 (CA) 21.46.22 (SA)	PSU	21.0.9+10	21.45	21.0.8.0.101+1	23.0.5+100
17.61.12 (SA)	CPU	17.0.16.0.101+1	17.60	17.0.16+8	22.0.6.0.101+100
17.62.17 (CA) 17.62.18 (SA)	PSU	17.0.17+10	17.61	17.0.16.0.101+1	22.0.7+101
11.83.12 (SA)	CPU	11.0.28.0.101+1	11.82	11.0.28+6	19.0.12.0.101+100
11.84.17 (CA) 11.84.18 (SA)	PSU	11.0.29+7	11.83	11.0.28.0.101+1	19.0.13+100
8.89.0.14 (SA)	CPU	8u471-b01	8.88	8u462-b08	8u471-b01

8.90.0.19 (CA) 8.90.0.20 (SA)	PSU	8u472-b08	8.89	8u471-b01	8u472-b01
7.81.0.12 (SA)	CPU	7u481-b01	7.79	7u471-b01	N/A
6.75.0.14 (SA)	CPU	6b175	6.73	6b173	N/A

(*) Azul provides two types of distribution packages for each Java version:

- **Subscriber Availability (SA)** distributions are tested, certified, and commercially supported Azul Zulu Builds of OpenJDK. Azul ensures that the software that uses the Accessible APIs of the product doesn't have to include specific licenses and that such a use doesn't contaminate the code or intellectual property of such software with any license requirements. SA builds may support configurations and features that are unavailable to free users.

- **Community Availability (CA)** distributions are Azul Zulu Builds of OpenJDK that are free to download and use.

> **NOTE** Both SA and CA distributions may contain Early Access builds noted with `-ea-` in their filename. Early Access builds may not be TCK certified.

(**) Update type:

- **CPU** (Critical Patch Updates) contain fixes to security vulnerabilities and critical bug fixes. Azul Zulu CPU releases are generally based on prior-cycle PSU releases, with only security fixes applied. They provide a low-risk vehicle for the potentially urgent deployment of security fixes when issues of sufficient severity arise. CPU releases are available in SA distributions.

- **PSU** (Patch Set Updates) incorporates all fixes in the corresponding CPU, as well as additional non-security bug fixes. Azul Zulu PSU releases incorporate both security fixes and other changes that align the release contents with the associated OpenJDK project quarterly release. PSU releases are available in SA and CA distributions.

What's New

New Zulu Distributions

Zulu 25 for Chainguard Containers

Chainguard containers based on Zulu 25 are now available. **More information regarding Chainguard** containers is available here.

RHEL 10 Support

RHEL 10 support is now available for PSU builds. A required fix for CPU builds has not yet been included as that could bring unexpected behavioral differences.

Windows ARM 64-bit

With this release, ARM 64-bit configurations are now available for Windows.

- Java Versions: 17, 21, 25

- Architecture: ARM 64-bit

- Operating Systems: Windows 10 and 11

- Java Configuration: JDK

- Package Type: Zip

- Distribution Type: CA and SA

Linux 32-bit Configurations for Java 21

In this release, Azul is providing Zulu 21 Subscriber Availability (SA) builds for Linux 32-bit systems. This allows you to make use of the latest features in Java on such systems. It will also help you to align the code of your projects with other hardware configurations that have already been migrated to Java 21.

Federal Information Processing Standards

To make Azul Zulu Builds of OpenJDK compliant with the Federal Information Processing Standards (FIPS), certain distributions for Java 8, 11, 17, and 21 include a module containing cryptographic algorithms (Bouncy Castle Crypto APIs).

Note: **This change will have no impact if FIPS functionality is not required/implemented** in your application. For more information about FIPS, check [Federal Information Processing Standards in Zulu](#).

FIPS Support for Zulu 21

With this release, FIPS-compliant Azul Zulu Builds of OpenJDK are available for Azul Zulu 21 in addition to Java 8, 11 and 17.

UseBCFIPS Warning

With previous releases, when you provided `-XX:+UseBCFIPS` option to the JVM directly without the Java launcher, it was silently ignored. Starting from October 2025, with the PSU builds, using the option with JVM directly leads to an error.

The correct way to use BC-FIPS is to start it via the Java launcher. See how-to-use.

Changes in Coordinated Restore at Checkpoint

"Coordinated Restore at Checkpoint (CRaC)" is a JDK project that allows you to start Java programs with a shorter time to first transaction, combined with less time and resources to achieve full code speed.

Improvements

Starting from the Zulu 25 GA release and the October 2025 updates for Zulu 17 and 21, the following CRaC improvements are available.

- The post-restore warm-up time is reduced when using the G1 garbage collector.

- `-XX:+IgnoreUnrecognizedVMOptions` can now be used on restore to allow the JVM to successfully start when a script uses options from a more recent JVM version.

- CRaC eagerly recompiles methods that were deoptimized in the period starting from the checkpoint and ending on restoration + the value defined by `jdk.crac.recompilation-delay-ms`. Because the deoptimizations are likely caused by the checkpoint and restore process, eager recompilation should improve

warm-up at the expense of a little CPU spike.

This behavior is controlled by `jdk.crac.enable-recompilation` (which is enabled by default). See CRaC System Properties.

Behavioral Changes

- When you use `-XX:+CRaCIgnoreRestoreIfUnavailable` and the restore succeeds, new arguments (as described here), are ignored. This makes the use of Transparent Restore or Startup more convenient as new arguments are usually intended for when you want to start the application from scratch and not from the restored instance.

Documentation Changes

- The CRaC documentation has moved to a separate section of the Azul Docs > CRaC.

hsdis in Zulu 21 SA

In October 2025, the Zulu 21 SA PSU build includes `hsdis`, a disassembler plugin for the Java HotSpot VM that allows you to see the native assembly code generated by the JIT (Just-In-Time) compiler. This plugin was previously available in Zulu 11 and 17 SA builds, and has now been added to Zulu 21. You can use it when you need to understand why certain code performs differently, verify compiler optimizations, or when doing very low-level performance tuning.

Please note, in this release it's only in the Zulu 21 SA PSU, and going forward, January 2026 and later, this will also be available in Zulu 21 CPU builds.

IANA Time Zone Data Version

This release of Azul Zulu comes with IANA Time Zone Database version **2025b**.

Notification of Upcoming Changes

Better Support for JVM Detection on macOS

In the next release (January 2026), Azul will change the directories inside the macOS bundles so that only the `Contents` directory will remain underneath the top-level

directory. All symlinks (and the `zulu-$VER.jdk` directory which previously contained the `Contents` directory) are planned to be removed. This will help macOS systems to detect installed Zulu versions.

Applications relying on a specific Zulu installation path, may be broken because of this change in the next release. Instructions will be provided on how to address this.

Supported Platforms

This section provides information about the operating systems that are supported in this release of Azul Zulu.

Azul Zulu Builds of OpenJDK Without and With OpenJFX

Some versions of Azul Zulu are available in different packages for specific platforms, as indicated in this overview table with:

- ✔ : Build of OpenJDK without OpenJFX.

- ✔ : Build of OpenJDK without and with OpenJFX.

| NOTE | The list of supported configurations and platform includes, but is not limited to, the table below. Don't hesitate to contact Support if you have issues with Azul Zulu Builds of OpenJDK on any other platform or configuration. |

Operating System	Azul Zulu Version						
	6	7	8	11	17	21	25
Windows (x86 32/64-bit)							
Windows Server 2025	✔	✔	✔	✔	✔	✔ [1]	✔ [1]
Windows Server 2022	✔	✔	✔	✔	✔	✔ [1]	✔ [1]
Windows Server 2019	✔	✔	✔	✔	✔	✔ [1]	✔ [1]
Windows Server 2016	✔	✔	✔	✔	✔	✔ [1]	✔ [1]
Windows 11	✔	✔	✔	✔	✔	✔ [1]	✔ [1]

Windows 10	✔	✔	✔✔	✔✔	✔✔	✔✔ [1]	✔✔ [1]
Windows (ARM 64-bit)							
Windows 11	n/a	n/a	n/a	n/a	✔	✔	✔
Windows 10	n/a	n/a	n/a	n/a	✔	✔	✔
Linux (x86 32/64-bit)							
RHEL 10.x [2]	✔	✔	✔✔	✔✔	✔✔	✔✔ [1]	✔✔ [1]
RHEL 9.x	✔	✔	✔✔	✔✔	✔✔	✔✔ [1]	✔✔ [1]
RHEL 8.x	✔	✔	✔✔	✔✔	✔✔	✔✔ [1]	✔✔ [1]
RHEL 6.x and 7.x	n/a	n/a	✔	✔	✔	n/a	n/a
SLES 15	✔	✔	✔✔	✔✔	✔✔	✔✔ [1]	✔✔ [1]
SLES 12	✔	✔	✔✔	✔✔	✔✔	✔✔ [1]	✔✔ [1]
CentOS Stream	✔	✔	✔✔	✔✔	✔✔	✔✔ [1]	✔✔ [1]
Ubuntu 24.04	✔	✔	✔✔	✔✔	✔✔	✔✔ [1]	✔✔ [1]
Ubuntu 22.04	✔	✔	✔✔	✔✔	✔✔	✔✔ [1]	✔✔ [1]
Ubuntu 20.04	✔	✔	✔✔	✔✔	✔✔	✔✔ [1]	✔✔ [1]
Ubuntu 18.04	✔	✔	✔✔	✔✔	✔✔	✔✔ [1]	✔✔ [1]
Debian 13	✔	✔	✔✔	✔✔	✔✔	✔✔ [1]	✔✔ [1]

Debian 12	✔	✔	✔✔	✔✔	✔✔	✔✔ [1]	✔✔ [1]
Debian 11	✔	✔	✔✔	✔✔	✔✔	✔✔ [1]	✔✔ [1]
Wind River 8.x	n/a	✔	✔	n/a	n/a	n/a	n/a
CoreOS	n/a	✔	✔	✔	✔	n/a	n/a
Alpine Linux 3.11 or later [3]	n/a	n/a	✔	✔	✔	✔	✔ [1] [3]
Wolfi Linux	n/a	n/a	n/a	n/a	n/a	✔	n/a
Amazon Linux 2023	n/a	n/a	✔	✔	✔	✔	✔ [1]
Linux (ARM 64-bit)							
Ubuntu 24.04	n/a	n/a	✔✔	✔✔	✔✔	✔✔	✔✔
Ubuntu 22.04	n/a	n/a	✔✔	✔✔	✔✔	✔✔	✔✔
Ubuntu 20.04	n/a	n/a	✔✔	✔✔	✔✔	✔✔	✔✔
Ubuntu 18.04	n/a	n/a	✔✔	✔✔	✔✔	✔✔	✔
Debian 13	n/a	n/a	✔✔	✔✔	✔✔	✔✔	✔✔
Debian 12	n/a	n/a	✔✔	✔✔	✔✔	✔✔	✔✔
Debian 11	n/a	n/a	✔✔	✔✔	✔✔	✔✔	✔✔
Alpine Linux 3.11 or later [3]	n/a	n/a	✔	✔	✔	✔	✔ [3]
Wolfi Linux	n/a	n/a	n/a	n/a	n/a	✔	n/a
Amazon Linux 2023	n/a	n/a	✔	✔	✔	✔	✔
Linux with kernel 3.10.x and glibc 2.23 [4] [5]	n/a	n/a	✔	✔	n/a	n/a	n/a
Linux (ARM 32-bit Hard-Float)							
Ubuntu 18.04 [6]	n/a	n/a	✔	✔	✔	✔ [7]	n/a

Raspberry Pi OS 10 (Buster) [6]	n/a	n/a	✔	✔	✔ [8]	✔ [7]	n/a
Raspberry Pi OS 9 (Stretch) [6]	n/a	n/a	✔	✔	n/a	✔ [7]	n/a
Linux with kernel 3.10.x and glibc 2.9 [6] [9]	n/a	n/a	✔	✔	n/a	✔ [7]	n/a
Linux (ARM 32-bit Soft-Float) [10]							
Linux with kernel 2.6.34 and glibc 2.5 [11]	n/a	n/a	✔	✔	n/a	n/a	n/a
Debian 7 Wheezy [12]	n/a	n/a	✔	✔	n/a	n/a	n/a
Linux with kernel 3.10.x and glibc 2.9 [12]	n/a	n/a	✔	✔	n/a	n/a	n/a
Linux (MIPS 32-bit) [13]							
Linux with kernel 4.9.59 and glibc 2.9 [14]	n/a	n/a	✔	n/a	n/a	n/a	n/a
Linux (ppc64 Big Endian)							
Linux with kernel 3.8.13 and glibc 2.22 [15]	n/a	n/a	✔	n/a	n/a	n/a	n/a
Linux (ppc32 Hard-float and SPE)							
Linux with kernel 3.12.37 and glibc 2.20 [16]	n/a	n/a	✔	n/a	n/a	n/a	n/a
QNX							
QNX 7.0 ARMv7 32-bit Hard-Float ABI	n/a	n/a	✔	n/a	n/a	n/a	n/a
QNX 7.1 ARMv8 32-bit Hard-Float ABI	n/a	n/a	✔	n/a	n/a	n/a	n/a
MacOS (x86 64-bit)							
macOS 13+	n/a	✔	✔✔	✔✔	✔✔	✔✔	✔✔
MacOS (Apple Silicon)							

macOS 13+	n/a	n/a	✔	✔	✔	✔	✔
Solaris (x86 and Sparc)							
Solaris 11	n/a	✔	✔	✔	n/a	n/a	n/a
Solaris 10	n/a	✔	✔	n/a	n/a	n/a	n/a

1. Build of OpenJDK (with and without OpenJFX) only for 64-bit.

2. Only available in PSU builds

3. Alpine Linux 3.17 or later for Java 24.

4. Bundles with the Checkpoint/Restore (with the `criu` suffix) functionality require kernel 4.4.0+.

5. Bundles compiled with GCC 9 (with the `gcc9` suffix) require glibc 2.29.

6. Bundles with the C1 compiler were tested on ARMv6/ARMv7/ARMv8 hardware. Bundles with both C1 and C2 compilers were tested on ARMv7/ARMv8 hardware.

7. This bundle is only available as a Subscriber Availability (SA) distribution.

8. Linux (ARM 32-bit Hard-Float) Zulu 17+ is only supported on Raspberry Pi boards with an ARMv7 or ARMv8 processor and can't be used on, e.g., Raspberry Pi 1 and Raspberry Pi Zero 1.

9. Bundles with the CRaM (with the `cr` suffix) functionality require glibc 2.13.

10. Bundles with the C1 compiler use FPU, if it is present and available, to speed up floating point operations. Bundles with both C1 and C2 compilers require FPU.

11. Bundles with the C1 compiler. Tested on ARMv5 hardware.

12. Bundles with the C1 compiler were tested on ARMv6 and ARMv7 hardware. Bundles with both C1 and C2 compilers were tested on ARMv7 hardware.

13. MIPS32r2 ISA, Big Endian, FPU in 32-bit mode or equivalent emulation.

14. Linux soft-float O32 MIPS ABI.

15. Bundles for this platform were tested on QorIQ® T4240-RDB.

16. Hard-Float EABI bundles were tested on QorIQ® T1024RDB. SPE ABI bundles were tested on NXP® P2020RDB.

Azul Zulu Builds of OpenJDK With CRaC

NOTE	Currently, CRaC is only available for the specified Linux systems, in the

versions listed below of Azul Zulu Builds of OpenJDK. For development, you can use the CRaC Java library on any platform and simulate the CRaC functionality.

- ✔ : Build of OpenJDK with full CRaC support and the Warp engine.

- ✔ : Build of OpenJDK with CRaC support for development purposes. These provide a simulated checkpoint/restore mechanism to be used for development and testing.

Operating System	Azul Zulu Version					
	17		21		25	
	x86 64-bit	ARM 64-bit	x86 64-bit	ARM 64-bit	x86 64-bit	ARM 64-bit
Linux	✔	✔	✔	✔	✔	✔
Alpine Linux 3.16	✔	✔	✔	✔	✔	✔
Windows	✔	n/a	✔	n/a	✔	n/a
macOS	✔	✔	✔	✔	✔	✔

Known Issues

Zulu Default Detection on MacOS

When you install Zulu on macOS and you do not specify `JAVA_HOME` explicitly for your shell, it will not be automatically detected on macOS. This will be improved in the next release (January 2026 Quarterly Update Release).

Missing RHEL 10 CPU Builds

As described in RHEL 10 Support, at this moment, RHEL 10 support is not available for CPU builds. The support of RHEL 10 will be available in January 2026 CPU builds.

Fixed Issues

This section covers all issues that were fixed in this release.

Fixed Common Vulnerabilities and Exposures

This section summarizes Common Vulnerabilities and Exposures (CVE) fixed in this release.

CVE #	Component	Protocol	Remote Exploit w/o Auth.	Base Score	Attack Vector	Attack Complex	Privileges Req'd	User Interact	Scope	Confiden-tiality	Integrity	Availability	Azul Zulu Versions Affected	Notes
CVE-2025-31257	JavaFX (WebKitGTK)	Multiple	Yes	7.5	Network	High	None	Required	Unchanged	High	High	High	25, 21, 17, 11, 8	Note 1
CVE-2025-53066	JAXP	Multiple	Yes	7.5	Network	Low	None	None	Unchanged	High	None	None	25, 21, 17, 11, 8, 7, 6	Note 2
CVE-2025-53057	Security	Multiple	Yes	5.9	Network	High	None	None	Unchanged	None	High	None	25, 21, 17, 11, 8, 7, 6	Note 2
CVE-2025-61748	Libraries	Multiple	Yes	3.7	Network	High	None	None	Unchanged	None	Low	None	25, 21	Note 2
CVE-2025-61755	Compiler	Multiple	Yes	3.7	Network	High	None	None	Unchanged	Low	None	None	None	

Notes:

ID	Notes
1	This vulnerability applies to Java deployments, that load and run untrusted code (e.g., code that comes from the internet) and rely on the Java sandbox for security. This vulnerability does not apply to Java deployments, typically in servers, that load and run only trusted code (e.g., code installed by an administrator).
2	This vulnerability can be exploited by using APIs in the specified Component, e.g., through a web service which supplies data to the APIs. This vulnerability also applies to Java deployments, that load and run untrusted code (e.g., code that comes from the internet) and rely on the Java sandbox for security.

Non-CVE Security Fixes

The following table summarizes non-CVE security fixes implemented in this release.

OpenJDK Patch ID	Azul Zulu Version	Synopsis	CPU/PSU
JDK-8352637	6,7,8,11,17,21, 25	Enhance bytecode verification	CPU,PSU

OpenJDK Fixes and Enhancements

The following table describes the OpenJDK changes implemented in this release.

OpenJDK Patch ID	Azul Zulu Version	Synopsis	CPU/PSU
JDK-8071530	7	Update OS detection code to reflect Windows 10 version change	CPU,PSU
JDK-8340387	6,7	Update OS detection code to recognize Windows Server 2025	CPU,PSU
JDK-8354941	17,21	Build failure with glibc 2.42 due to uabs() name collision	CPU,PSU
JDK-8361212	6,7,8,11,17,21, 25	Remove AffirmTrust root CAs	CPU,PSU
JDK-8361672	21	[21u] Remove designator DEFAULT_PROMOTED_VERSION_PRE=ea for release 21.0.8	CPU,PSU
JDK-8361674	17	[17u] Remove designator DEFAULT_PROMOTED_VERSION_PRE=ea for release 17.0.16	CPU,PSU
JDK-7036144	21	GZIPInputStream readTrailer uses faulty available() test for end-of-stream	PSU
JDK-7102969	8	currency.properties supercede not working correctly	PSU

OpenJDK Patch ID	Azul Zulu Version	Synopsis	CPU/PSU
JDK-8030815	21	Code roots are not accounted for in region prediction	PSU
JDK-8041924	8	[TESTBUG] sun/net/www/http/ChunkedOutputStream/checkError.java fails on some systems	PSU
JDK-8042381	17	Test javax/swing/JRootPane/4670486/bug4670486.java fails with Action has not been received	PSU
JDK-8044051	8	Test jdk/lambda/vm/InterfaceAccessFlagsTest.java gets IOException during compilation	PSU
JDK-8056283	8	@ignore tools/javac/defaultMethods/Assertions.java until JDK-8047675 is fixed	PSU
JDK-8079786	17,21	[macosx] Test java/awt/Frame/DisposeParentGC/DisposeParentGC.java fails for Mac only	PSU
JDK-8081734	8	ConcurrentHashMap/ConcurrentAssociateTest.java, times out 90% of time on sparc with 256 cpu.	PSU
JDK-8132785	17	java/lang/management/ThreadMXBean/ThreadLists.java fails intermittently	PSU
JDK-8136895	17	Writer not closed with disk full error, file resource leaked	PSU
JDK-8157138	8	Error while fetching currency instance by Currency.getInstance(currencycode)	PSU
JDK-8160767	8	[TEST_BUG] java/awt/Frame/MaximizedToIconified/MaximizedToIconified.java	PSU

OpenJDK Patch ID	Azul Zulu Version	Synopsis	CPU/PSU
JDK-8167252	17,21	Some of Charset.availableCharsets() does not contain itself	PSU
JDK-8185348	8	Major performance regression in GetMethodDeclaringClass and other JVMTI Method functions	PSU
JDK-8185429	17,21	[macos] After a modal dialog is closed, no window becomes active	PSU
JDK-8185500	8	[TESTBUG] Add keywords headful/printer in java/awt and javax tests.	PSU
JDK-8186259	8	IOExceptionIfEncodedURLTest.sh versus IOExceptionIfEncodedURLTest.java	PSU
JDK-8196017	17	java/awt/Mouse/GetMousePositionTest/GetMousePositionWithPopup.java fails	PSU
JDK-8202667	17	java/awt/Debug/DumpOnKey/DumpOnKey.java times out on Windows	PSU
JDK-8203867	17,21	Delete test java/awt/TrayIcon/DblClickActionEventTest/DblClickActionEventTest.html	PSU
JDK-8211328	11	Different declaration and definition of ClassLoaderData::classes_do() leads to build failures	PSU
JDK-8211804	11	Constant AO_UNUSED_MBZ uses left shift of negative value	PSU
JDK-8212155	11	Race condition when posting dynamic_code_generated event leads to JVM crash	PSU
JDK-8217914	17,21	java/net/httpclient/ConnectTimeoutHandshakeSync.java failed on connection refused while doing POST	PSU

OpenJDK Patch ID	Azul Zulu Version	Synopsis	CPU/PSU
JDK-8225777	17	java/awt/Mixing/MixingOnDialog.java fails on Ubuntu	PSU
JDK-8226919	17,21	attach in linux hangs due to permission denied accessing /proc/pid/root	PSU
JDK-8228658	8	test GetTotalSafepointTime.java fails on fast Linux machines with Total safepoint time 0 ms	PSU
JDK-8231943	11	ZGC: Enable serviceability/dcmd/gc/RunGCTest	PSU
JDK-8247362	11	HeapDumpCompressedTest.java#id0 fails due to "Multiple garbage collectors selected"	PSU
JDK-8249825	17,21	Tests sun/security/ssl/SSLSocketImpl/SetClientMode.java and NonAutoClose.java marked with @ignore	PSU
JDK-8259540	21	MissingResourceException for key cvc-complex-type.2.4.d.1	PSU
JDK-8261242	21	[Linux] OSContainer::is_containerized() returns true when run outside a container	PSU
JDK-8264207	17	CodeStrings does not honour fixed address assumption.	PSU
JDK-8266246	17	Swing test PressedIconTest.java sometimes fails on macOS 11 ARM	PSU
JDK-8266247	17	Swing test bug7154030.java sometimes fails on macOS 11 ARM	PSU
JDK-8268463	11	Windows 32bit build fails in DynamicCodeGenerated\libDynamicCodeGenerated.cpp	PSU
JDK-8273539	17	[PPC64] gtest build error after JDK-8264207	PSU
JDK-8274039	17	codestrings gtest fails when hsdis is present	PSU

OpenJDK Patch ID	Azul Zulu Version	Synopsis	CPU/PSU
JDK-8274453	11,17	(sctp) com/sun/nio/sctp/SctpChannel/CloseDescriptors. java test should be resilient to lsof warnings	PSU
JDK-8275079	17	Remove unnecessary conversion to String in java.net.http	PSU
JDK-8275303	8	sun/java2d/pipe/InterpolationQualityTest.java fails with D3D basic render driver	PSU
JDK-8276046	17	codestrings.validate_vm gtest fails on ppc64, s390	PSU
JDK-8276175	17	codestrings.validate_vm gtest still broken on ppc64 after JDK-8276046	PSU
JDK-8276401	17	Use blessed modifier order in java.net.http	PSU
JDK-8276681	17	Additional malformed Javadoc inline tags in JDK source	PSU
JDK-8277969	17	HttpClient SelectorManager shuts down when custom Executor rejects a task	PSU
JDK-8279005	17,21	sun/tools/jstat tests do not check for test case exit codes after JDK-8245129	PSU
JDK-8280818	17,21	Expand bug8033699.java to iterate over all LaFs	PSU
JDK-8282144	17	RandomSupport.convertSeedBytesToLongs sign extension overwrites previous bytes	PSU
JDK-8282147	17	[TESTBUG] waitForIdle after creating frame in JSpinnerMouseAndKeyPressTest.java	PSU
JDK-8283467	17	runtime/Thread/StopAtExit.java needs updating	PSU
JDK-8285032	17	vmTestbase/nsk/jdi/EventSet/suspendPolicy/sus pendpolicy008/ fails with "eventSet.suspendPolicy() != policyExpected"	PSU

OpenJDK Patch ID	Azul Zulu Version	Synopsis	CPU/PSU
JDK-8285773	17	Replace Algorithms.eatMemory(…) with WB.fullGC() in vmTestbase/gc/gctests/ReferencesGC/ReferencesGC.java	PSU
JDK-8285951	17	Replace Algorithms.eatMemory(…) with WB.fullGC() in vmTestbase_vm_gc_ref tests	PSU
JDK-8286171	17	HttpClient/2 : Expect:100-Continue blocks indefinitely when response is not 100	PSU
JDK-8286194	17	ExecutorShutdown test fails intermittently	PSU
JDK-8286660	17	codestrings gtest fails on AArch64: "udf" in padding	PSU
JDK-8288209	17	SSL debug message wrong about unsupported authentication scheme	PSU
JDK-8288746	17	HttpClient resources could be reclaimed more eagerly	PSU
JDK-8290368	17	Introduce LDAP and RMI protocol-specific object factory filters to JNDI implementation	PSU
JDK-8292876	17	Do not include the deprecated userinfo component of the URI in HTTP/2 headers	PSU
JDK-8293713	17,21	java/net/httpclient/BufferingSubscriberTest.java fails in timeout, blocked in submission publisher	PSU
JDK-8293786	17	HttpClient will not send more than 64 kb of data from the 2nd request in http2	PSU
JDK-8294509	17	The sign extension bug applies to 'public static int[] convertSeedBytesToInts(byte[] seed, int n, int z)' in RandomSupport	PSU
JDK-8294839	17	Disable StressLongCountedLoop in compiler/loopopts/TestRemoveEmptyLoop.java	PSU

OpenJDK Patch ID	Azul Zulu Version	Synopsis	CPU/PSU
JDK-8294916	17	Cancelling a request must eventually cause its response body subscriber to be unregistered	PSU
JDK-8294985	17	SSLEngine throws IAE during parsing of X500Principal	PSU
JDK-8295005	17	compiler/loopopts/TestRemoveEmptyLoop.java fails with release VMs after JDK-8294839	PSU
JDK-8295210	17	IR framework should not whitelist -XX:-UseTLAB	PSU
JDK-8297075	17	java/net/httpclient/CancelStreamedBodyTest.java fails with "java.lang.AssertionError: WARNING: tracker for HttpClientImpl(1) has outstanding operations"	PSU
JDK-8297106	17	Remove the -Xcheck:jni local reference capacity checking	PSU
JDK-8297149	17	REDO JDK-8296889: Race condition when cancelling a request	PSU
JDK-8297200	17	java/net/httpclient/SpecialHeadersTest.java failed once in AssertionError due to selector thread remaining alive	PSU
JDK-8297424	17	java/net/httpclient/AsyncExecutorShutdown.java fails in AssertionError due to misplaced assert	PSU
JDK-8297499	17	Parallel: Missing iteration over klass when marking objArrays/objArrayOops during Full GC	PSU
JDK-8297740	17	runtime/ClassUnload/UnloadTest.java failed with "Test failed: should still be live"	PSU
JDK-8298340	17	java/net/httpclient/CancelRequestTest.java fails with AssertionError: Found some subscribers for testPostInterrupt	PSU

OpenJDK Patch ID	Azul Zulu Version	Synopsis	CPU/PSU
JDK-8298514	17	vmTestbase/nsk/jdi/EventRequestManager/threadDeathRequests/thrdeathreq002/TestDescription.java fails with usage tracker	PSU
JDK-8298907	17	nsk JDI tests pass if the debuggee failed to launch	PSU
JDK-8298931	17	java/net/httpclient/CancelStreamedBodyTest.java fails with AssertionError due to Pending TCP connections: 1	PSU
JDK-8299338	17	AssertionError in ResponseSubscribers$HttpResponseInputStream::onSubscribe	PSU
JDK-8300207	17	Add a pre-check for the number of canonical equivalent permutations in j.u.r.Pattern	PSU
JDK-8301004	17	httpclient: Add more debug to HttpResponseInputStream	PSU
JDK-8301169	17	java/net/httpclient/ThrowingSubscribersAsInputStream.java,ThrowingSubscribersAsInputStreamAsync.java, and other httpclient tests failing on windows: Unable to establish loopback connection	PSU
JDK-8301255	17	Http2Connection may send too many GOAWAY frames	PSU
JDK-8302293	21	jar --create fails with IllegalArgumentException if archive name is shorter than 3 characters	PSU
JDK-8302635	17	Race condition in HttpBodySubscriberWrapper when cancelling request	PSU
JDK-8302744	21	Refactor Hotspot container detection code	PSU
JDK-8303525	17	Refactor/cleanup open/test/jdk/javax/rmi/ssl/SSLSocketParametersTest.java	PSU

OpenJDK Patch ID	Azul Zulu Version	Synopsis	CPU/PSU
JDK-8304674	21	File java.c compile error with -fsanitize=address -O0	PSU
JDK-8307648	17	java/net/httpclient/ExpectContinueTest.java timed out	PSU
JDK-8308185	17	Update Http2TestServerConnection to use SSLSocket.startHandshake()	PSU
JDK-8308633	21	Increase precision of timestamps in g1 log	PSU
JDK-8309238	21	jdk/jfr/tool/TestView.java failed with "exitValue = 134"	PSU
JDK-8309627	21	Incorrect sorting of DirtyCardQueue buffers	PSU
JDK-8309899	21	Rename PtrQueueSet::buffer_size()	PSU
JDK-8310264	21	In PhaseChaitin::Split defs and phis are leaked	PSU
JDK-8310974	21	NMT: Arena diffs miss the scale	PSU
JDK-8311220	21	Optimization for StringLatin UpperLower	PSU
JDK-8311644	21	Server should not send bad_certificate alert when the client does not send any certificates	PSU
JDK-8312065	8	Socket.connect does not timeout when profiling	PSU
JDK-8312191	17	ColorConvertOp.filter for the default destination is too slow	PSU
JDK-8312475	17	org.jline.util.PumpReader signed byte problem	PSU
JDK-8312518	11	[macos13] setFullScreenWindow() shows black screen on macOS 13 & above	PSU
JDK-8313083	17,21	Print 'rss' and 'cache' as part of the container information	PSU
JDK-8313355	21	javax/management/remote/mandatory/notif/ListenerScaleTest.java failed with "Exception: Failed: ratio=792.2791601423487"	PSU

OpenJDK Patch ID	Azul Zulu Version	Synopsis	CPU/PSU
JDK-8313367	17,21	SunMSCAPI cannot read Local Computer certs w/o Windows elevation	PSU
JDK-8314166	21	Update googletest to v1.14.0	PSU
JDK-8314611	17,21	Provide more explicative error message parsing Currencies	PSU
JDK-8314978	17,21	Multiple server call from connection failing with expect100 in getOutputStream	PSU
JDK-8315130	21	java.lang.IllegalAccessError when processing classlist to create CDS archive	PSU
JDK-8315505	17	CompileTask timestamp printed can overflow	PSU
JDK-8315774	11	Enable parallelism in vmTestbase/gc/g1/unloading tests	PSU
JDK-8316497	11	ColorConvertOp - typo for non-ICC conversions needs one-line fix	PSU
JDK-8316580	17	HttpClient with StructuredTaskScope does not close when a task fails	PSU
JDK-8317522	17	Test logic for BODY_CF in AbstractThrowingSubscribers.java is wrong	PSU
JDK-8317804	17	com/sun/jdi/JdwpAllowTest.java fails on Alpine 3.17 / 3.18	PSU
JDK-8317808	17	HTTP/2 stream cancelImpl may leave subscriber registered	PSU
JDK-8318507	21	G1: Improve remset clearing for humongous candidates	PSU
JDK-8318605	11	Enable parallelism in vmTestbase/nsk/stress/stack tests	PSU

OpenJDK Patch ID	Azul Zulu Version	Synopsis	CPU/PSU
JDK-8319067	21	ProblemList serviceability/AsyncGetCallTrace/MyPackage/ASGCTBaseTest.java on linux-aarch64 in Xcomp mode	PSU
JDK-8319174	17,21	Enhance robustness of some j.m.BigInteger constructors	PSU
JDK-8319197	11	Exclude hb-subset and hb-style from compilation	PSU
JDK-8319598	21	SMFParser misinterprets interrupted running status	PSU
JDK-8319932	17,21	[JVMCI] class unloading related tests can fail on libgraal	PSU
JDK-8320189	21	vmTestbase/nsk/jvmti/scenarios/bcinstr/BI02/bi02t001 memory corruption when using -Xcheck:jni	PSU
JDK-8320769	21	Remove ill-adviced "make install" target	PSU
JDK-8320858	17,21	Move jpackage tests to tier3	PSU
JDK-8320859	21	gtest high malloc footprint caused by BufferNodeAllocator stress test	PSU
JDK-8322420	21	[Linux] cgroup v2: Limits in parent nested control groups are not detected	PSU
JDK-8322920	11	Some ProcessTools.execute* functions are declared to throw Throwable	PSU
JDK-8322992	21	Javac fails with StackOverflowError when compiling deeply nested synchronized blocks	PSU
JDK-8325397	21	sun/java2d/Disposer/TestDisposerRace.java fails in linux-aarch64	PSU
JDK-8325910	17	Rename jnihelper.h	PSU

OpenJDK Patch ID	Azul Zulu Version	Synopsis	CPU/PSU
JDK-8326606	17,21	Test javax/swing/text/BoxView/6494356/bug6494356.java performs a synchronization on a value based class	PSU
JDK-8326705	21	Test CertMsgCheck.java fails to find alert certificate_required	PSU
JDK-8327125	21	SpinYield.report should report microseconds	PSU
JDK-8327748	21	Convert javax/swing/JFileChooser/6798062/bug6798062.java applet test to main	PSU
JDK-8327750	17,21	Convert javax/swing/JFileChooser/FileFilterDescription/FileFilterDescription.java applet test to main	PSU
JDK-8327751	17,21	Convert javax/swing/JInternalFrame/6726866/bug6726866.java applet test to main	PSU
JDK-8327752	17,21	Convert javax/swing/JOptionPane/4174551/bug4174551.java applet to main	PSU
JDK-8327753	17,21	Convert javax/swing/JOptionPane/8024926/bug8024926.java applet to main	PSU
JDK-8327754	17,21	Convert javax/swing/JPopupMenu/7160604/bug7160604.java applet to main	PSU
JDK-8327755	17,21	Convert javax/swing/JScrollBar/8039464/Test8039464.java applet to main	PSU

OpenJDK Patch ID	Azul Zulu Version	Synopsis	CPU/PSU
JDK-8327756	17,21	Convert javax/swing/JSlider/4987336/bug4987336.java applet to main	PSU
JDK-8327826	17,21	Convert javax/swing/border/Test4243289.java applet test to main	PSU
JDK-8327835	17,21	Convert java/awt/FileDialog/RegexpFilterTest/RegexpFilterTest applet test to main	PSU
JDK-8327838	17,21	Convert java/awt/FileDialog/MultipleMode/MultipleMode.html applet test to main	PSU
JDK-8327872	17,21	Convert javax/swing/JToolTip/4644444/bug4644444.java applet test to main	PSU
JDK-8327873	17,21	Convert javax/swing/border/Test4247606.java applet test to main	PSU
JDK-8327874	17,21	Convert javax/swing/JTree/4314199/bug4314199.java applet test to main	PSU
JDK-8327876	17,21	Convert javax/swing/border/Test4252164.java applet test to main	PSU
JDK-8327879	17,21	Convert javax/swing/border/Test4760089.java applet test to main	PSU
JDK-8327969	17,21	Convert javax/swing/border/Test6910490.java applet test to main	PSU
JDK-8327972	17,21	Convert java/awt/FileDialog/SaveFileNameOverrideTest/SaveFileNameOverrideTest.html applet test to main	PSU

OpenJDK Patch ID	Azul Zulu Version	Synopsis	CPU/PSU
JDK-8328000	17,21	Convert /java/awt/im/8154816/bug8154816.java applet test to main	PSU
JDK-8328012	17,21	Convert InputMethod (/java/awt/im) applet tests to main	PSU
JDK-8328030	17,21	Convert javax/swing/text/GlyphView/4984669/bug4984669.java applet test to main	PSU
JDK-8328035	17,21	Convert javax/swing/text/html/TableView/7030332/bug7030332.java applet test to main	PSU
JDK-8328087	17,21	Automate javax/swing/JTable/TAB/TAB.java applet test	PSU
JDK-8328089	17,21	Automate javax/swing/JTable/4222153/bug4222153.java applet test	PSU
JDK-8328154	17,21	Convert sun/java2d/loops/CopyAreaSpeed.java applet test to main	PSU
JDK-8328190	17,21	Convert AWTPanelSmoothWheel.html applet test to main	PSU
JDK-8328225	17,21	Convert ImageDecoratedDnD.html applet test to main	PSU
JDK-8328244	17,21	Convert javax/swing/JSlider/6742358/bug6742358.java applet test to main	PSU
JDK-8328248	17,21	Convert javax/swing/JSlider/6587742/bug6587742.java applet test to main	PSU

OpenJDK Patch ID	Azul Zulu Version	Synopsis	CPU/PSU
JDK-8328262	17,21	Convert javax/swing/JSplitPane/8132123/bug8132123.java applet test to main	PSU
JDK-8328279	17,21	Convert java/awt/Cursor/CursorOverlappedPanelsTest test to main	PSU
JDK-8328328	17,21	Convert javax/swing/JTabbedPane/4666224/bug4666224.java applet test to main	PSU
JDK-8328367	17,21	Convert java/awt/Component/UpdatingBootTime test to main	PSU
JDK-8328378	17,21	Convert java/awt/FileDialog/FileDialogForDirectories test to main	PSU
JDK-8328382	17,21	Convert java/awt/FileDialog/FileDialogForPackages test to main	PSU
JDK-8328384	17,21	Convert java/awt/FileDialog/FileDialogOpenDirTest test to main	PSU
JDK-8328385	17,21	Convert java/awt/FileDialog/FileDialogReturnTest test to main	PSU
JDK-8328386	17,21	Convert java/awt/FileDialog/FileNameOverrideTest test to main	PSU
JDK-8328398	17,21	Convert java/awt/im/4490692/bug4490692.html applet test to main	PSU
JDK-8328401	17,21	Convert java/awt/Frame/InitialMaximizedTest/InitialMaximizedTest.html applet test to automated	PSU

OpenJDK Patch ID	Azul Zulu Version	Synopsis	CPU/PSU
JDK-8328570	17,21	Convert closed JViewport manual applet tests to main	PSU
JDK-8328631	17,21	Convert java/awt/InputMethods/InputMethodsTest/InputMethodsTest.java applet test to manual	PSU
JDK-8330022	17,21	Failure test/hotspot/jtreg/vmTestbase/nsk/sysdict/share/BTreeTest.java: Could not initialize class java.util.concurrent.ThreadLocalRandom	PSU
JDK-8330106	17	C2: VectorInsertNode::make() shouldn't call ConINode::make() directly	PSU
JDK-8330535	17,21	Update nsk/jdb tests to use driver instead of othervm	PSU
JDK-8331389	21	runtime/ErrorHandling/TestDwarf.java fails with "Crash JVM should not exit gracefully"	PSU
JDK-8331560	21	Refactor Hotspot container detection code so that subsystem delegates to controllers	PSU
JDK-8332020	21	jwebserver tool prints invalid URL in case of IPv6 address binding	PSU
JDK-8332252	17	Clean up vmTestbase/vm/share	PSU
JDK-8332271	21	Reading data from the clipboard from multiple threads crashes the JVM	PSU
JDK-8332368	21	ubsan aarch64: immediate_aarch64.cpp:298:31: runtime error: shift exponent 32 is too large for 32-bit type 'int'	PSU
JDK-8332494	17	java/util/zip/EntryCount64k.java failing with java.lang.RuntimeException: '\\A\\Z' missing from stderr	PSU

OpenJDK Patch ID	Azul Zulu Version	Synopsis	CPU/PSU
JDK-8332551	17,21	Test vmTestbase/nsk/monitoring/MemoryNotificationInfo/from/from001/TestDescription.java timed out	PSU
JDK-8332857	21	Test vmTestbase/nsk/jvmti/GetThreadCpuTime/thrcputime002/TestDescription.java failed	PSU
JDK-8333326	21	Linux Alpine build fails after 8302744	PSU
JDK-8333446	21	Add tests for hierarchical container support	PSU
JDK-8334010	21	VM crashes with ObjectAlignmentInBytes > GCCardSizeInBytes	PSU
JDK-8334016	17,21	Make PrintNullString.java automatic	PSU
JDK-8334320	17,21	Replace vmTestbase/metaspace/share/TriggerUnloadingWithWhiteBox.java with ClassUnloadCommon from testlibrary	PSU
JDK-8334394	17,21	Race condition in Class::protectionDomain	PSU
JDK-8334457	17,21	Test javax/swing/JTabbedPane/bug4666224.java fail on macOS with because pressing the 'C' key does not switch the layout to WRAP_TAB_LAYOUT	PSU
JDK-8335131	17,21	Test "javax/swing/JColorChooser/Test6977726.java" failed on ubuntu x64 because "Preview" title is missing for GTK L&F	PSU
JDK-8335181	17	Incorrect handling of HTTP/2 GOAWAY frames in HttpClient	PSU
JDK-8335252	17,21	Reduce size of j.u.Formatter.Conversion#isValid	PSU
JDK-8335468	17	[XWayland] JavaFX hangs when calling java.awt.Robot.getPixelColor	PSU

OpenJDK Patch ID	Azul Zulu Version	Synopsis	CPU/PSU
JDK-8335577	21	runtime/cds/appcds/TestParallelGCWithCDS.java still fails with JNI error	PSU
JDK-8335882	21	platform/cgroup/TestSystemSettings.java fails on Alpine Linux	PSU
JDK-8335978	8	[8u] incorrect include file name in semaphore.inline.hpp	PSU
JDK-8336499	17	Failure when creating non-CRT RSA private keys in SunPKCS11	PSU
JDK-8336635	21	Add IR test for Reference.refersTo intrinsic	PSU
JDK-8336702	21	C2 compilation fails with "all memory state should have been processed" assert	PSU
JDK-8338236	21	Compile error in cgroup code on Linux when using clang	PSU
JDK-8338482	21	com/sun/jdi/ThreadMemoryLeakTest.java requires that compressed oops are enabled	PSU
JDK-8338939	21	Simplify processing of hidden class names	PSU
JDK-8339414	8	Fix JDK-8202369 incorrect backport for 8u	PSU
JDK-8339460	21	CDS error when module is located in a directory with space in the name	PSU
JDK-8339561	17,21	The test/jdk/java/awt/Paint/ListRepaint.java may fail after JDK-8327401	PSU
JDK-8339725	17	Concurrent GC crashed due to GetMethodDeclaringClass	PSU
JDK-8339834	17	Replace usages of -mx and -ms in some tests	PSU
JDK-8339962	21	Open source AWT TextField tests - Set1	PSU
JDK-8340092	21	[Linux] containers/systemd/SystemdMemoryAwarenessTest.java failing on some systems	PSU

OpenJDK Patch ID	Azul Zulu Version	Synopsis	CPU/PSU
JDK-8340146	17	ZGC: TestAllocateHeapAt.java should not run with UseLargePages	PSU
JDK-8340185	11,17,21	Use make -k on GHA to catch more build errors	PSU
JDK-8340276	21	Test java/lang/management/ThreadMXBean/Locks.java failed with NullPointerException	PSU
JDK-8340389	17,21	vmTestbase/gc/gctests/PhantomReference/phantom001/TestDescription.java Test exit code: 97 with -Xcomp UseAVX=3	PSU
JDK-8340547	21	Starting many threads can delay safepoints	PSU
JDK-8340554	17,21	Improve MessageFormat readObject checks	PSU
JDK-8341178	21	TypeRawPtr::add_offset may be "miscompiled" due to UB	PSU
JDK-8341311	17,21	[Accessibility,macOS,VoiceOver] VoiceOver announces incorrect number of items in submenu of JPopupMenu	PSU
JDK-8341370	17,21	Test java/awt/Frame/ShapeNotSetSometimes/ShapeNotSetSometimes.java fails intermittently on macOS-aarch64	PSU
JDK-8341644	21	Compile error in cgroup coding when using toolchain clang	PSU
JDK-8341684	21	Typo in External Specifications link of java.util.Currency	PSU
JDK-8341861	21	GHA: Use only retention mechanism to remove bundles	PSU
JDK-8341964	17,21	Add mechanism to disable different parts of TLS cipher suite	PSU

OpenJDK Patch ID	Azul Zulu Version	Synopsis	CPU/PSU
JDK-8342074	21	Fix runtime/Thread/TestAlwaysPreTouchStacks.java to be flagless or accept VM flags	PSU
JDK-8342238	21	Test javax/crypto/CryptoPermissions/InconsistentEntries.java writes files in tested JDK dir	PSU
JDK-8342330	17,21	C2: "node pinned on loop exit test?" assert failure	PSU
JDK-8342782	21	AWTEventMulticaster throws StackOverflowError using AquaButtonUI	PSU
JDK-8343074	17,21	test/jdk/com/sun/net/httpserver/docs/test1/largefile.txt could be generated	PSU
JDK-8343452	21	Incorrect WINDOWS build variable is used in macroAssembler_x86.cpp	PSU
JDK-8343607	21	C2: Shenandoah crashes during barrier expansion in Continuation::enter	PSU
JDK-8343618	11,17,21	Stack smashing in awt_InputMethod.c on Linux s390x	PSU
JDK-8343804	17,21	Show the default time zone with -XshowSettings option	PSU
JDK-8343855	17	HTTP/2 ConnectionWindowUpdateSender may miss some unprocessed DataFrames from closed streams	PSU
JDK-8343977	17,21	Convert java/awt/TextArea/TextAreaCursorTest/HoveringAndDraggingTest to main	PSU
JDK-8344137	17,21	Update XML Security for Java to 3.0.5	PSU
JDK-8344338	17,21	javax/swing/JTextArea/bug4265784.java fails on Ubuntu 24.04.1	PSU

OpenJDK Patch ID	Azul Zulu Version	Synopsis	CPU/PSU
JDK-8344671	17,21	Few JFR streaming tests fail with application not alive error on MacOS 15	PSU
JDK-8345173	17,21	BlockLocationPrinter::print_location misses a ResourceMark	PSU
JDK-8345337	21	JFR: jfr view should display all direct subfields for an event type	PSU
JDK-8345414	8,11	Google CAInterop test failures	PSU
JDK-8345471	17,21	Clean up compiler/intrinsics/sha/cli tests	PSU
JDK-8345566	17,21	Deproblemlist test/jdk/javax/swing/JComboBox/6559152/bug6559152.java	PSU
JDK-8345767	17,21	javax/swing/JSplitPane/4164779/JSplitPaneKeyboardNavigationTest.java fails in ubuntu22.04	PSU
JDK-8346255	21	java/lang/management/ThreadMXBean/VirtualThreadDeadlocks.java finds no deadlock	PSU
JDK-8346285	17,21	Update jarsigner compatibility test for change in default digest algorithm	PSU
JDK-8346751	17,21	Internal java compiler error with type annotations in constants expression in constant fields	PSU
JDK-8346871	17,21	Improve robustness of java/util/zip/EntryCount64k.java test	PSU
JDK-8346929	21	runtime/ClassUnload/DictionaryDependsTest.java fails with "Test failed: should be unloaded"	PSU
JDK-8346998	17,21	Test nsk/jvmti/ResourceExhausted/resexhausted003 fails with java.lang.OutOfMemoryError when CDS is off	PSU
JDK-8347004	17,21	vmTestbase/metaspace/shrink_grow/ShrinkGrowTest/ShrinkGrowTest.java fails with CDS disabled	PSU

OpenJDK Patch ID	Azul Zulu Version	Synopsis	CPU/PSU
JDK-8347299	21	Add annotations to test cases in LicenseTest	PSU
JDK-8347302	17,21	Mark test tools/jimage/JImageToolTest.java as flagless	PSU
JDK-8347373	17	HTTP/2 flow control checks may count unprocessed data twice	PSU
JDK-8347381	17,21	Upgrade jQuery UI to version 1.14.1	PSU
JDK-8347564	21	ZGC: Crash in DependencyContext::clean_unloading_dependents	PSU
JDK-8347712	17,21	IllegalStateException on multithreaded ZipFile access with non-UTF8 charset	PSU
JDK-8347826	21	Introspector shows wrong method list after 8071693	PSU
JDK-8347840	21	Fix testlibrary compilation warnings	PSU
JDK-8348135	21	Fix couple of problem listing entries in test/hotspot/jtreg/ProblemList-Virtual.txt	PSU
JDK-8348240	21	Remove SystemDictionaryShared::lookup_super_for_unregistered_class()	PSU
JDK-8348328	11,17,21	Update IANA Language Subtag Registry to Version 2025-05-15	PSU
JDK-8348365	17,21	Bad format string in CLDRDisplayNamesTest	PSU
JDK-8348597	11	Update HarfBuzz to 10.4.0	PSU
JDK-8348760	8,11,17,21	RadioButton is not shown if JRadioButtonMenuItem is rendered with ImageIcon in WindowsLookAndFeel	PSU
JDK-8349151	17,21	Refactor test/java/security/cert/CertificateFactory/slowstream.sh to java test	PSU

OpenJDK Patch ID	Azul Zulu Version	Synopsis	CPU/PSU
JDK-8349214	17,21	Improve size optimization flags for MSVC builds	PSU
JDK-8349378	21	Build splashscreen lib with SIZE optimization	PSU
JDK-8349583	17,21	Add mechanism to disable signature schemes based on their TLS scope	PSU
JDK-8349849	17,21	PKCS11 SunTlsKeyMaterial crashes when used with TLS1.2 TlsKeyMaterialParameterSpec	PSU
JDK-8350106	21	[PPC] Avoid ticks_unknown_not_Java AsyncGetCallTrace() if JavaFrameAnchor::_last_Java_pc not set	PSU
JDK-8350111	21	[PPC] AsyncGetCallTrace crashes when called while handling SIGTRAP	PSU
JDK-8350456	21	Test javax/crypto/CryptoPermissions/InconsistentEntries.java crashed: EXCEPTION_ACCESS_VIOLATION	PSU
JDK-8350483	17	AArch64: turn on signum intrinsics by default on Ampere CPUs	PSU
JDK-8350540	11	[17u,11u] B8312065.java fails Network is unreachable	PSU
JDK-8350582	17,21	Correct the parsing of the ssl value in javax.net.debug	PSU
JDK-8350665	21	SIZE_FORMAT_HEX macro undefined in gtest	PSU
JDK-8350767	17,21	Fix -Wzero-as-null-pointer-constant warnings in nsk jni stress tests	PSU
JDK-8350807	17,21	Certificates using MD5 algorithm that are disabled by default are incorrectly allowed in TLSv1.3 when re-enabled	PSU
JDK-8350830	17,21	Values converted incorrectly when reading TLS session tickets	PSU

OpenJDK Patch ID	Azul Zulu Version	Synopsis	CPU/PSU
JDK-8350858	21	[IR Framework] Some tests failed on Cascade Lake	PSU
JDK-8350964	17,21	Add an ArtifactResolver.fetch(clazz) method	PSU
JDK-8351277	17,21	Remove pipewire from AIX build	PSU
JDK-8351359	17	OperatingSystemMXBean: values from getCpuLoad and getProcessCpuLoad are stale after 24.8 days (Windows)	PSU
JDK-8351487	21	[ubsan] jvmti.h runtime error: load of value which is not a valid value	PSU
JDK-8351491	21	Add info from release file to hserr file	PSU
JDK-8351593	21	[JMH] test PhoneCode.Bulk reports NPE exception	PSU
JDK-8351601	17,21	[JMH] test UnixSocketChannelReadWrite failed for 2 threads config	PSU
JDK-8351624	8	[8u] Xerces-J version wrong in THIRD_PARTY_README after JDK-7150324	PSU
JDK-8351884	17,21	Refactor bug8033699.java test code	PSU
JDK-8351907	17,21	[XWayland] [OL10] Robot.mousePress() is delivered to wrong place	PSU
JDK-8351933	17	Inaccurate masking of TC subfield decrement in ForkJoinPool	PSU
JDK-8351997	17,21	AArch64: Interpreter volatile reference stores with G1 are not sequentially consistent	PSU
JDK-8352075	21	Perf regression accessing fields	PSU
JDK-8352302	8	Test sun/security/tools/jarsigner/TimestampCheck.java is failing	PSU
JDK-8352509	17,21	Update jdk.test.lib.SecurityTools jar method to accept List<String> parameter	PSU

OpenJDK Patch ID	Azul Zulu Version	Synopsis	CPU/PSU
JDK-8352624	17,21	Add missing {@code} to PassFailJFrame.Builder.splitUI	PSU
JDK-8352677	17,21	Opensource JMenu tests - series2	PSU
JDK-8352719	17,21	Add an equals sign to the modules statement	PSU
JDK-8352765	21	G1CollectedHeap::expand_and_allocate() may fail to allocate even after heap expansion succeeds	PSU
JDK-8352800	21	[PPC] OpenJDK fails to build on PPC after JDK-8350106	PSU
JDK-8352860	17,21	Open source events tests batch0	PSU
JDK-8352879	17,21	TestPeriod.java and TestGetContentType.java run wrong test class	PSU
JDK-8352895	17,21	UserCookie.java runs wrong test class	PSU
JDK-8352896	17,21	LambdaExpr02.java runs wrong test class	PSU
JDK-8352942	11	jdk/jfr/startupargs/TestMemoryOptions.java fails with 32-bit build	PSU
JDK-8352946	17,21	SEGV_BND signal code of SIGSEGV missing from our signal-code table	PSU
JDK-8353000	17,21	Open source several swing tests batch2	PSU
JDK-8353126	17,21	Open source events tests batch1	PSU
JDK-8353175	21	Eliminate double iteration of stream in FieldDescriptor reinitialization	PSU
JDK-8353213	17,21	Open source several swing tests batch3	PSU
JDK-8353235	17,21	Test jdk/jfr/api/metadata/annotations/TestPeriod.java fails with IllegalArgumentException	PSU
JDK-8353293	17,21	Open source several swing tests batch4	PSU
JDK-8353304	17,21	Open source two JTabbedPane tests	PSU

OpenJDK Patch ID	Azul Zulu Version	Synopsis	CPU/PSU
JDK-8353489	17,21	Increase timeout and improve Windows compatibility in test/jdk/java/lang/ProcessBuilder/Basic.java	PSU
JDK-8353549	17,21	Open source events tests batch2	PSU
JDK-8353568	17,21	SEGV_BNDERR signal code adjust definition	PSU
JDK-8353655	17,21	Clean up and open source KeyEvent related tests (Part 1)	PSU
JDK-8353662	17,21	Add test for non-local file URL fallback to FTP	PSU
JDK-8353698	21	Output of Simple Web Server is garbled if the console's encoding is not UTF-8	PSU
JDK-8353713	17,21	Improve Currency.getInstance exception handling	PSU
JDK-8353748	17,21	Open source several swing tests batch6	PSU
JDK-8353847	21	Remove extra args to System.out.printf in open/test/jdk/java/net/httpclient tests	PSU
JDK-8353950	21	Clipboard interaction on Windows is unstable	PSU
JDK-8354285	17,21	Open source Swing tests Batch 3	PSU
JDK-8354327	17,21	Rewrite runtime/LoadClass/LoadClassNegative.java	PSU
JDK-8354415	17,21	[Ubuntu25.04] api/java_awt/GraphicsDevice/indexTGF.html#SetDisplayMode - setDisplayMode_REFRESH_RATE_UNKNOWN fails: Height is different on vnc	PSU
JDK-8355051	11,17,21	Problemlist java/awt/Graphics2D/CopyAreaOOB.java on macosx-aarch64	PSU
JDK-8355249	11,17,21	Remove the use of WMIC from the entire source code	PSU

OpenJDK Patch ID	Azul Zulu Version	Synopsis	CPU/PSU
JDK-8355262	17,21	Test sun/security/ssl/SSLSessionImpl/NoInvalidateSocketException.java failed: accept timed out	PSU
JDK-8355366	17,21	Fix the wrong usage of PassFailJFrame.forcePass() in some manual tests	PSU
JDK-8355370	17,21	Include server name in HTTP test server thread names to improve diagnostics	PSU
JDK-8355429	17,21	Open source ProgressMonitor test	PSU
JDK-8355441	17,21	Remove antipattern from PassFailJFrame.forcePass javadoc	PSU
JDK-8355453	17,21	nsk.share.jdi.Debugee.waitingEvent() does not timeout properly	PSU
JDK-8355475	17,21	UNCTest should use an existing UNC path	PSU
JDK-8355512	21	Test compiler/vectorization/TestVectorZeroCount.java times out with -XX:TieredStopAtLevel=3	PSU
JDK-8355515	17,21	Clarify the purpose of forcePass() and forceFail() methods	PSU
JDK-8355528	17,21	Update HarfBuzz to 11.2.0	PSU
JDK-8355578	17,21	[java.net] Use @requires tag instead of exiting based on "os.name" property value	PSU
JDK-8355779	17,21	When no "signature_algorithms_cert" extension is present we do not apply certificate scope constraints to algorithms in "signature_algorithms" extension	PSU
JDK-8355975	21	ZipFile uses incorrect Charset if another instance for the same ZIP file was constructed with a different Charset	PSU

OpenJDK Patch ID	Azul Zulu Version	Synopsis	CPU/PSU
JDK-8355979	21	ATTRIBUTE_NO_UBSAN needs to be extended to handle float divisions by zero on AIX	PSU
JDK-8356053	11	Test java/awt/Toolkit/Headless/HeadlessToolkit.java fails by timeout	PSU
JDK-8356269	21	Fix broken web-links after JDK-8295470	PSU
JDK-8356324	21	JVM crash (SIGSEGV at ClassListParser::resolve_indy_impl) during -Xshare:dump starting from 21.0.5	PSU
JDK-8356778	21	Compiler add event logging in case of failures	PSU
JDK-8357155	21	[asan] ZGC does not work (x86_64 and ppc64)	PSU
JDK-8357173	17,21	Split jtreg test group jdk tier3	PSU
JDK-8357193	11	[VS 2022 17.14] Warning C5287 in debugInit.c: enum type mismatch during build	PSU
JDK-8357194	21	[21u] lible cannot find the path of libjava	PSU
JDK-8357253	17,21	Test test/jdk/sun/security/ssl/SSLSessionImpl/ResumeClientTLS12withSNI.java writes in src dir	PSU
JDK-8357285	17,21	JSR166 Test case testShutdownNow_delayedTasks failed	PSU
JDK-8357672	17,21	Extreme font sizes can cause font substitution	PSU
JDK-8357675	21	Amend headless message	PSU
JDK-8357793	17,21	[PPC64] VM crashes with -XX:-UseSIGTRAP -XX:-ImplicitNullChecks	PSU
JDK-8357826	21,25	Avoid running some jtreg tests when asan is configured	PSU
JDK-8357910	21	LoaderConstraintsTest.java fails when run with TEST_THREAD_FACTORY=Virtual	PSU

OpenJDK Patch ID	Azul Zulu Version	Synopsis	CPU/PSU
JDK-8357914	21	TestEmptyBootstrapMethodsAttr.java fails when run with TEST_THREAD_FACTORY=Virtual	PSU
JDK-8357968	17,21	RISC-V: Interpreter volatile reference stores with G1 are not sequentially consistent	PSU
JDK-8358004	17,21	Delete applications/scimark/Scimark.java test	PSU
JDK-8358136	21	Make langtools/jdk/javadoc/doclet/testLinkOption/TestRedirectLinks.java intermittent	PSU
JDK-8358310	21	ZGC: riscv, ppc ZPlatformAddressOffsetBits may return a too large value	PSU
JDK-8358325	11	Bump update version of OpenJDK: 11.0.29	PSU
JDK-8358328	8	Bump update version of OpenJDK: 8u472	PSU
JDK-8358334	21	C2/Shenandoah: incorrect execution with Unsafe	PSU
JDK-8358452	17,21,25	JNI exception pending in Java_sun_awt_screencast_ScreencastHelper_remoteDesktopKeyImpl of screencast_pipewire.c:1214 (ID: 51119)	PSU
JDK-8358534	21	Bailout in Conv2B::Ideal when type of cmp input is not supported	PSU
JDK-8358538	8,11,17,21	Update GHA Windows runner to 2025	PSU
JDK-8358577	25	Test serviceability/jvmti/thread/GetCurrentContendedMonitor/contmon01/contmon01.java failed: unexpexcted monitor object	PSU
JDK-8358617	17,21	java/net/HttpURLConnection/HttpURLConnectionExpectContinueTest.java fails with 403 due to system proxies	PSU
JDK-8358659	21	Bump update version for OpenJDK: jdk-21.0.9	PSU

OpenJDK Patch ID	Azul Zulu Version	Synopsis	CPU/PSU
JDK-8358660	17	Bump update version for OpenJDK: jdk-17.0.17	PSU
JDK-8358697	17,21	TextLayout/MyanmarTextTest.java passes if no Myanmar font is found	PSU
JDK-8358701	21	Remove misleading javax.management.remote API doc wording about JMX spec, and historic link to JMXMP	PSU
JDK-8358819	25	The first year is not displayed correctly in Japanese Calendar	PSU
JDK-8359059	25	Bump version numbers for 25.0.1	PSU
JDK-8359218	25	RISC-V: Only enable CRC32 intrinsic when AvoidUnalignedAccess == false	PSU
JDK-8359270	25	C2: alignment check should consider base offset when emitting arraycopy runtime call	PSU
JDK-8359272	17,21	Several vmTestbase/compact tests timed out on large memory machine	PSU
JDK-8359402	21	Test CloseDescriptors.java should throw SkippedException when there is no lsof/sctp	PSU
JDK-8359906	21	[21u] [BACKOUT] 8347299: Add annotations to test cases in LicenseTest	PSU
JDK-8360042	11,17,21	GHA: Bump MSVC to 14.44	PSU
JDK-8360179	25	RISC-V: Only enable BigInteger intrinsics when AvoidUnalignedAccess == false	PSU
JDK-8360518	21	Docker tests do not work when asan is configured	PSU
JDK-8360533	25	ContainerRuntimeVersionTestUtils fromVersionString fails with some docker versions	PSU
JDK-8360647	17,21,25	[XWayland] [OL10] NumPad keys are not triggered	PSU
JDK-8360816	11	[11u] Use default value for ProgramFiles(x86) in GHA	PSU

OpenJDK Patch ID	Azul Zulu Version	Synopsis	CPU/PSU
JDK-8361090	17,21	[CRaC] Make dev engines less confusing	PSU
JDK-8361124	17,21	[CRaC] Move recursive checkpoint test to simengine	PSU
JDK-8361198	21	[AIX] fix misleading error output in thread_cpu_time_unchecked	PSU
JDK-8361328	21	cds/appcds/dynamicArchive/TestAutoCreateShar edArchive.java archive timestamps comparison failed	PSU
JDK-8361478	17,21	GHA: Use MSYS2 from GHA runners	PSU
JDK-8361532	25	RISC-V: Several vector tests fail after JDK-8354383	PSU
JDK-8361829	25	[TESTBUG] RISC-V: compiler/vectorization/runner/BasicIntOpTest.java fails with RVV but not Zvbb	PSU
JDK-8361959	21	[GCC static analyzer] java_props_md.c leak of 'temp' variable is reported	PSU
JDK-8362109	25	Change milestone to fcs for all releases	PSU
JDK-8362390	17,21	AIX make fails in awt_GraphicsEnv.c	PSU
JDK-8362418	17,21	[CRaC] Leave unused G1 heap regions committed for C/R	PSU
JDK-8362548	21	[21u] Add bugId to test missed in backport of JDK-8343804	PSU
JDK-8362582	17,21	GHA: Increase bundle retention time to deal with infra overload better	PSU
JDK-8362837	17,21	[CRaC] jdk/crac/MXBean.java can fail on macOS	PSU
JDK-8362838	21	RISC-V: Incorrect matching rule leading to improper oop instruction encoding	PSU
JDK-8362839	17,21	[21u] Problem list more tests that fail in 21 and would be fixed by 8309622	PSU

OpenJDK Patch ID	Azul Zulu Version	Synopsis	CPU/PSU
JDK-8362855	21	Test java/net/ipv6tests/TcpTest.java should report SkippedException when there no ia4addr or ia6addr	PSU
JDK-8363965	8,11,17,21	GHA: Switch cross-compiling sysroots to Debian bookworm	PSU
JDK-8364078	17,21	[CRaC] CracTest mishandles NoSuchMethodException	PSU
JDK-8364156	17,21	[CRaC] Recompile methods decompiled during or shortly after C/R	PSU
JDK-8364272	17,21,25	[CRaC] Make inclusion of crac.hpp in os_posix.cpp conditional	PSU
JDK-8364449	17,21	[CRaC] Launch new main outside of the core C/R body	PSU
JDK-8364456	17,21,25	[CRaC] Extend error logging of waitForCheckpointed	PSU
JDK-8364538	17,21	[CRaC] Test CRaCIgnoreRestoreIfUnavailable	PSU
JDK-8364554	17,21	[CRaC] Improve CRaC VM options' docs	PSU
JDK-8364662	17,21,25	[CRaC] Process restore options in the common arguments parser	PSU
JDK-8364737	17,21,25	[CRaC] Support checkpointing with --patch-module by treating patch JARs as persistent	PSU
JDK-8364931	17,21	[CRaC] Stabilize recompiler tests	PSU
JDK-8365098	17,21,25	make/RunTests.gmk generates a wrong path to test artifacts on Alpine	PSU
JDK-8365143	17,21,25	[CRaC] CRaCIgnoreRestoreIfUnavailable tests do not check exit value	PSU
JDK-8365241	17,21,25	[CRaC] Ignore new arguments when CRaCIgnoreRestoreIfUnavailable is true	PSU

OpenJDK Patch ID	Azul Zulu Version	Synopsis	CPU/PSU
JDK-8365375	8,11,17,21	Method SU3.setAcceleratorSelectionForeground assigns to acceleratorForeground	PSU
JDK-8365380	25	[CRaC] Require non-static JDK for EngineFailureTest	PSU
JDK-8365389	8,11,17,21	Remove static color fields from SwingUtilities3 and WindowsMenuItemUI	PSU
JDK-8365484	17,21,25	[CRaC] Support IgnoreUnrecognizedVMOptions on restore	PSU
JDK-8365560	8	[8u] ppc64le MaxRAM default is too low at 4GiB	PSU
JDK-8365811	8,11,17,21	test/jdk/java/net/CookieHandler/B6644726.java failure - "Should have 5 cookies. Got only 4, expires probably didn't parse correctly"	PSU
JDK-8366112	8	[8u] GHA: Fix broken installation of Windows SDK	PSU
JDK-8366223	25	ZGC: ZPageAllocator::cleanup_failed_commit_multi_partition is broken	PSU
JDK-8367031	25	[backout] Change java.time month/day field types to 'byte'	PSU
JDK-8367388	17,21	Tests start to fail on JDK-21 after JDK-8351907	PSU
JDK-8368308	8,11,17,21,25	ISO 4217 Amendment 180 Update	PSU
JDK-8369641	17	[17u] Remove designator DEFAULT_PROMOTED_VERSION_PRE=ea for release 17.0.17	PSU
JDK-8369643	21	[21u] Remove designator DEFAULT_PROMOTED_VERSION_PRE=ea for release 21.0.9	PSU

OpenJFX Fixes and Enhancements

The following table describes the JavaFX changes implemented in this release.

OpenJDK Patch ID	Azul Zulu Version	Synopsis	CPU/PSU
JDK-8328684	8,11,17,21,25	HellowWebView demo crashes when a webpage is scrolled	CPU,PSU
JDK-8356982	8,11,17,21,25	Update WebKit to 622.1	CPU,PSU
JDK-8360270	8,11,17,21,25	Websocket communication issues with Vaadin applications through webview	CPU,PSU
JDK-8361648	8,11,17,21,25	Update Glib to 2.84.3	CPU,PSU
JDK-8362896	25	Change JavaFX release version to 25.0.1 in jfx25u	CPU,PSU
JDK-8365859	25	Update copyright header for files modified in 2025	CPU,PSU
JDK-8366217	8,11,17,21,25	Update GStreamer to 1.26.5	CPU,PSU
JDK-8366744	8,11,17,21,25	Update SQLite to 3.50.4	CPU,PSU
JDK-8270996	17	javadoc: missing comments in serialized classes	PSU
JDK-8351038	17,21	ConcurrentModificationException in EventType constructor	PSU

Fixes and Enhancements Specific to Azul Zulu Builds of OpenJDK

The following table describes the Azul Zulu changes implemented in this release.

Issue ID	Azul Zulu Version	Synopsis	CPU/PSU
ZULU-74881	6	Tests tools/jar/MultipleManifestTest.java and tools/jar/ExtractFilesTest.java fail on windows in Zulu 6.71.0.12 as array lengths differed	CPU,PSU
ZULU-74884	11	Zulu11 build fails in Cygwin	CPU,PSU
ZULU-77024	6,7,8,11,17,21,25	Welcome.html and readme.txt contains broken links	CPU,PSU
ZULU-78281	6	Follow-up to 8266097: Better hashing support	CPU,PSU
ZULU-80760	6,7,8,11,17,21,25	Update SBOM components	CPU,PSU

Issue ID	Azul Zulu Version	Synopsis	CPU/PSU
ZULU-82075	25	Update JFX to zulu25.0.1+100	CPU,PSU
ZULU-82076	21	Update JFX to zulu23.0.4.0.101+100	CPU,PSU
ZULU-82077	17	Update JFX to zulu22.0.6.0.101+100	CPU,PSU
ZULU-82078	11	Update JFX to zulu19.0.12.0.101+100	CPU,PSU
ZULU-82079	8	Update JFX to zulu8u471-b01	CPU,PSU
ZULU-34594	25	Use CRS agent build #134	PSU
ZULU-34883	25	integrate CRS agent to Zulu17	PSU
ZULU-34955	25	Handler should be loaded by Tooling.class.getClassLoader()	PSU
ZULU-35818	25	CDS tests fails with assertion if CRS enabled	PSU
ZULU-35819	25	regression tests runtime/SelectionResolution/* failed: SIGSEGV	PSU
ZULU-35876	25	after the fix for ZULU-35818 extra runtime permissions should be granted for com.azul.tooling module	PSU
ZULU-37416	25	ClassNotFoundException com.azul.tooling.Handler	PSU
ZULU-37449	25	Add a configurable delay for starting of CRS code which has side effects on JDK initialization	PSU
ZULU-37617	25	High CPU load when CRS is enabled	PSU
ZULU-37643	25	Missing declaration of CRSAgentInitThread::_thread	PSU
ZULU-37651	25	JVM crashes in CI runs	PSU
ZULU-37671	25	Failure in 19 tests in serviceability/sa/ and sun/tools/jhsdb/ - Unable to deduce type of thread from address	PSU

Issue ID	Azul Zulu Version	Synopsis	CPU/PSU
ZULU-37720	25	[REGRESSION] Test jdk/modules/etc/VerifyModuleDelegation.java fails with NPE	PSU
ZULU-38273	25	drainQueues() after disableCRS() crashes VM	PSU
ZULU-38294	25	retry getting ToolingHandler implementation	PSU
ZULU-38301	25	Failure in regression tests sun/security/krb5/auto/* and java/time/tck/java/time/chrono/* - Unexpected exit from test	PSU
ZULU-38367	25	Fix for ZULU-38294 breaks zulu build	PSU
ZULU-38448	25	Failures in six various tests on all (and only) "non-CRS" platforms	PSU
ZULU-38511	25	All CRS modules should be loaded by boot class loader (again)	PSU
ZULU-39118	25	configure fails due to deleted temp files	PSU
ZULU-40726	25	Failure in vmTestbase/nsk/jdi/ReferenceType/instances/instances003/instances003.java - com.sun.jdi.ObjectCollectedException	PSU
ZULU-40762	25	[CRS] Fix CRS assertion crash on fastdebug/slowdebug builds	PSU
ZULU-40964	25	Processing of VM_METHOD_FIRST_CALLED at client side	PSU
ZULU-40966	25	Fix 2 Address Sanitizer (ASAN) sscanf buffer overflows - any testcase	PSU
ZULU-43110	25	notify_class_load should be configurable by CrsClassLoadMessage::should_notify()	PSU
ZULU-44803	25	fix Zulu11+CRS build problems in dev-environment	PSU

Issue ID	Azul Zulu Version	Synopsis	CPU/PSU
ZULU-45003	25	CRS agent without -XX:+UnlockExperimentalVMOptions/UnlockExperimentalCRS	PSU
ZULU-45268	25	notify first method call from interpreter (aarch64)	PSU
ZULU-48669	25	unnecessary call of hash.cpp/sha256 method when CRS is not intended to be started	PSU
ZULU-48695	25	report compilation events as VM_METHOD_FIRST_CALLED event	PSU
ZULU-52197	25	AVD for Zulu21	PSU
ZULU-52236	25	Fix partial initialization warning for _listener_address	PSU
ZULU-56030	25	CRS: fastdebug build assertion error	PSU
ZULU-6566	25	Modules without classes can not be imported into jre image	PSU
ZULU-70971	21	Conditionally suppress a single CDS warning in classLoaderExt.cpp	PSU
ZULU-73925	25	Use CRS Agent 1.1.33	PSU
ZULU-74860	25	Eliminate compilation warnings in CRS-related builds	PSU
ZULU-75232	8,11,17,21	Update BC-FIPS library to v2.1.1	PSU
ZULU-76327	8	Place the copyright notices in copyright field of the CycloneDX SBOM	PSU
ZULU-77317	21	Support for FIPS in Java 21	PSU
ZULU-77666	17,21	[crac] jdk/crac/S3Test.java#* failed in Zulu24 CRaC fastdebug	PSU
ZULU-78288	11	JCK 11a test api/java_util/jar/Pack200/distributed/index.html# UnpackDistributed failed on RHEL 10	PSU

Issue ID	Azul Zulu Version	Synopsis	CPU/PSU
ZULU-78326	17,21	Turn assertion into guarantee	PSU
ZULU-78329	17,21	crac/fileDescriptors/FileWatcherThreadTest should wait for events with timeout	PSU
ZULU-78473	21	Jtreg creates wrong path to test results on Alpine	PSU
ZULU-78638	21	Include libffi to the build	PSU
ZULU-78851	25	CRS build fails compiling gensrc/java.base classes	PSU
ZULU-78852	25	CRS build fails with compile warnings	PSU
ZULU-78853	25	CRS failed to start: java.lang.NoClassDefFoundError	PSU
ZULU-78876	8	Wrong fstatat64 is used on time64 builds	PSU
ZULU-79238	11,17,21	BC-FIPS mode may be silently ignored	PSU
ZULU-80238	17,21	jdk/crac/engine/WarpS3Test.java#* times out waiting for localstack	PSU
ZULU-80242	11,17,21	Revert/improve ZULU-79238: BC-FIPS mode may be silently ignored	PSU
ZULU-80485	17,21	Backout compatibility fix ZULU-61544	PSU
ZULU-80645	21	Zulu 21 aarch32 libffi regression tests failure	PSU
ZULU-80751	17,21	Test VM-side S3 interaction with CRaCIgnoreRestoreIfUnavailable	PSU
ZULU-80932	8	remove -Xlinker -soname for launchers on Alpine	PSU
ZULU-80944	21	Bump update version for OpenJDK: jdk-21.0.8.0.2	PSU
ZULU-81774	21	Add hsdis to zulu21	PSU
ZULU-82030	17,21,25	CRIU 1.9.3 for October 2025 release	PSU
ZULU-82102	17,21	UseBCFIPS option does not work with -version	PSU
ZULU-82157	25	Bump JDK_TAG to 25.0.1+1	PSU

Issue ID	Azul Zulu Version	Synopsis	CPU/PSU
ZULU-82312	25	Update JFX to zulu25.0.1+101	PSU
ZULU-82313	21	Update JFX to zulu23.0.5+100	PSU
ZULU-82314	17	Update JFX to zulu22.0.7+101	PSU
ZULU-82315	11	Update JFX to zulu19.0.13+100	PSU
ZULU-82316	8	Update JFX to zulujfx8u472-b01	PSU
ZULU-82327	17,21	Build failure when bcfips enabled	PSU
ZULU-82599	17,21,25	Use Warp 2.2.1 for October 2025	PSU

Fixes and Enhancements Specific to Azul Zulu Builds of OpenJDK With JavaFX

The following table describes the Azul Zulu changes implemented in this release.

Issue ID	Azul Zulu Version	Synopsis	CPU/PSU
ZULU-76327	8,11,17,21	Place the copyright notices in copyright field of the CycloneDX SBOM	CPU,PSU
ZULU-78644	8,11,17,21	remove links to Zulu TPLs from SBOM	CPU,PSU
ZULU-82253	17	EventTypeConcurrencyTest failure on zulujfx22	PSU

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