



Azul Zulu builds of OpenJDK

July 2025 Quarterly Update

Release Notes

Revision 1.0

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Revision History

Revision	Date	Description
0.1	July 15, 2025	Initial version of the document.
1.0	July 15, 2025	Added CVE information.

Release Details

This release is the July 2025 quarterly update release for Azul Zulu Builds of OpenJDK version 24, 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	
24.32.13 (CA) 24.32.14 (SA)	PSU	24.0.2+12	24.30	24.0.1+9	24.0.2+101
21.43.16 (SA)	CPU	21.0.7.0.101+1	21.42	21.0.7+6	23.0.3.0.101+100
21.44.17 (CA) 21.44.18 (SA)	PSU	21.0.8+9	21.43	21.0.7.0.101+1	23.0.4+101
17.59.16 (SA)	CPU	17.0.15.0.101+1	17.58	17.0.15+6	22.0.5.0.101+100
17.60.17 (CA) 17.60.18 (SA)	PSU	17.0.16+8	17.59	17.0.15.0.101+1	22.0.6+100
11.81.14 (SA) 11.81.16 (SA)	CPU	11.0.27.0.101+1	11.80	11.0.27+6	19.0.11.0.101+100
11.82.19 (CA) 11.82.20 (SA)	PSU	11.0.28+6	11.81	11.0.27.0.101+1	19.0.12+100
8.87.0.14 (SA) 8.87.0.16 (SA)	CPU	8u461-b01	8.86	8u452-b09	8u461-b01

8.88.0.19 (CA) 8.88.0.20 (SA)	PSU	8u462-b08	8.87	8u461-b01	8u462-b01
7.79.0.12 (SA) 7.79.0.14 (SA)	CPU	7u471-b01	7.77	7u461-b01	N/A
6.73.0.16 (SA)	CPU	6b173	6.71	6b171	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

Using Zulu in Containers

Zulu SA Container Image Registry

Azul now provides Docker images with SA and CPU builds of Zulu that are secure and up-to-date. By tracking changes in the JDK, like updates of toolchains or libraries, we can fix incompatibilities with specific OS versions and ensure the quality of the container and Zulu.

Instructions on how to use these SA images are [sa-distributions](#).

Distribution	8	11	17	21	24
zulu-sa-ubuntu	8	11	17	21	24
	8-cpu	11-cpu	17-cpu	21-cpu	24-jre
	8-cpu-jre	11-cpu-jre	17-cpu-jre	21-cpu-jre	24-psu
	8-jre	11-jre	17-jre	21-jre	24-psu-jre
	8-psu	11-psu	17-psu	21-psu	24.32-24.0.2
	8-psu-jre	11-psu-jre	17-psu-jre	21-psu-jre	24.32-24.0.2-
	8.87-8.0.461	11.81-	17.59-	21.43-21.0.7	jre
	8.87-8.0.461-	11.0.27	17.0.15	21.43-21.0.7-	
	jre	11.81-	17.59-	jre	
	8.88-8.0.462	11.0.27-jre	17.0.15-jre	21.44-21.0.8	
	8.88-8.0.462-	11.82-	17.60-	21.44-21.0.8-	
	jre	11.0.28	17.0.16	jre	
		11.82-	17.60-		
		11.0.28-jre	17.0.16-jre		

zulu-sa-alpine	8	11	17	21	24
	8-cpu	11-cpu	17-cpu	21-cpu	24-jre
	8-cpu-jre	11-cpu-jre	17-cpu-jre	21-cpu-jre	24-psu
	8-jre	11-jre	17-jre	21-jre	24-psu-jre
	8-psu	11-psu	17-psu	21-psu	24.32-24.0.2
	8-psu-jre	11-psu-jre	17-psu-jre	21-psu-jre	24.32-24.0.2-
	8.87-8.0.461	11.81-	17.59-	21.43-21.0.7	jre
	8.87-8.0.461-	11.0.27	17.0.15	21.43-21.0.7-	
	jre	11.81-	17.59-	jre	
	8.88-8.0.462	11.0.27-jre	17.0.15-jre	21.44-21.0.8	
	8.88-8.0.462-	11.82-	17.60-	21.44-21.0.8-	
	jre	11.0.28	17.0.16	jre	
		11.82-	17.60-		
		11.0.28-jre	17.0.16-jre		
zulu-sa-debian	8	11	17	21	24
	8-cpu	11-cpu	17-cpu	21-cpu	24-jre
	8-cpu-jre	11-cpu-jre	17-cpu-jre	21-cpu-jre	24-psu
	8-jre	11-jre	17-jre	21-jre	24-psu-jre
	8-psu	11-psu	17-psu	21-psu	24.32-24.0.2
	8-psu-jre	11-psu-jre	17-psu-jre	21-psu-jre	24.32-24.0.2-
	8.87-8.0.461	11.81-	17.59-	21.43-21.0.7	jre
	8.87-8.0.461-	11.0.27	17.0.15	21.43-21.0.7-	
	jre	11.81-	17.59-	jre	
	8.88-8.0.462	11.0.27-jre	17.0.15-jre	21.44-21.0.8	
	8.88-8.0.462-	11.82-	17.60-	21.44-21.0.8-	
	jre	11.0.28	17.0.16	jre	
		11.82-	17.60-		
		11.0.28-jre	17.0.16-jre		

zulu-sa-distroleess	8	11	17	21	24
	8-cpu	11-cpu	17-cpu	21-cpu	24-jre
	8-cpu-jre	11-cpu-jre	17-cpu-jre	21-cpu-jre	24-psu
	8-jre	11-jre	17-jre	21-jre	24-psu-jre
	8-psu	11-psu	17-psu	21-psu	24.32-24.0.2
	8-psu-jre	11-psu-jre	17-psu-jre	21-psu-jre	24.32-24.0.2-jre
	8.87-8.0.461	11.81-	17.59-	21.43-21.0.7	
	8.87-8.0.461-jre	11.0.27	17.0.15	21.43-21.0.7-jre	
	8.88-8.0.462	11.81-jre	17.59-jre	21.44-21.0.8	
	8.88-8.0.462-jre	11.0.27-jre	17.0.15-jre	21.44-21.0.8-jre	
		11.82-	17.60-		
		11.0.28	17.0.16		
		11.82-jre	17.60-jre		
		11.0.28-jre	17.0.16-jre		
zulu-sa-rockylinux Linux	8	11	17	21	24
	8-cpu	11-cpu	17-cpu	21-cpu	24-jre
	8-cpu-jre	11-cpu-jre	17-cpu-jre	21-cpu-jre	24-psu
	8-jre	11-jre	17-jre	21-jre	24-psu-jre
	8-psu	11-psu	17-psu	21-psu	24.32-24.0.2
	8-psu-jre	11-psu-jre	17-psu-jre	21-psu-jre	24.32-24.0.2-jre
	8.87-8.0.461	11.81-	17.59-	21.43-21.0.7	
	8.87-8.0.461-jre	11.0.27	17.0.15	21.43-21.0.7-jre	
	8.88-8.0.462	11.81-jre	17.59-jre	21.44-21.0.8	
	8.88-8.0.462-jre	11.0.27-jre	17.0.15-jre	21.44-21.0.8-jre	
		11.82-	17.60-		
		11.0.28	17.0.16		
		11.82-jre	17.60-jre		
		11.0.28-jre	17.0.16-jre		

Zulu Images Based on Chainguard's Wolfi OS

Azul partners with Chainguard to provide Zulu container images based on Chainguard's Wolfi OS, the first community Linux [\(un\)distribution](#) declaratively built for creating a secure base layer for containers. Chainguard Containers are minimal container images that are secure by default.

Instructions on how to use Chainguard containers are [available here](#).

New Zulu Distributions

Zulu 8 for ARM 32-bit with a 64-bit time_t Structure

A new build configuration of Zulu 8 is available which fixes the error

`/usr/lib/aarch32/jli/libjli.so uses 32-bit api 'gettimeofday'` on Linux ARM 32-bit systems. This distribution, only available as JRE, can be recognized by the file name that includes `-time64-`.

Fix for ARM Cortex-A53

This update release fixes a bug where Java applications could not start, with different error messages, on systems with an ARM Cortex-A53 processor. Such processor is used, for example, in the Raspberry Pi 3 and Zero 2. The VectorizedHashCode intrinsic was implemented with assumptions about ARM64 processors that don't hold true for the Cortex-A53 specifically. The Cortex-A53 has different micro-architectural characteristics compared to other ARM64 processors, and the vectorized hash code implementation didn't account for these differences.

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.

Changes in CRaC Command-Line Options

In this release of Zulu, multiple old CRaC engine options have been deprecated (e.g.

`CRaCKeepRunning`, `CRaCImageCompression`,...) and are now incorporated into `CRaCEngineOptions`. Check the deprecated-command-line-options for more info.

NUMA Support Disabled in Warp Engine

Support for NUMA (Non-Uniform Memory Access) aware restore is now disabled by default in the warp_engine to enable faster restores. To enable NUMA support, add

`numa=true` to the crac-engine-options for both checkpoint and restore.

Fix for Linux Kernel Update 6.13

In this update, a fix is included for `Bus error` problems with the Warp and CRIU implementation within CRaC, caused by update 6.13 of the Linux kernel.

Notification of Changes

The following configuration changes are applied. That doesn't mean Azul doesn't accept support requests for Zulu on these platforms, you are still fully covered even if you keep using them. However, it means that testing on these platforms gets reduced. If you're still using this platform, please let us know at support@azul.com.

Notification of Upcoming Changes

In the next release (October 2025 Quarterly Update Release), Azul will reduce the priority of testing Zulu for the following environments:

- RHEL 6

IANA Time Zone Data Version

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

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	24
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			n/a
Linux (x86 32/64-bit)							
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 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 [2]	n/a	n/a	✓	✓	✓	✓	✓ [1] [2]
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 12	n/a	n/a	✓✓	✓✓	✓✓	✓✓	✓✓
Debian 11	n/a	n/a	✓✓	✓✓	✓✓	✓✓	✓✓
Alpine Linux 3.11 or later [2]	n/a	n/a	✓	✓	✓	✓	✓ [2]
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 [3] [4]	n/a	n/a	✓	✓	n/a	n/a	n/a
Linux (ARM 32-bit Hard-Float)							
Ubuntu 18.04 [5]	n/a	n/a	✓	✓	✓	n/a	n/a
Raspbian 10 Buster [5]	n/a	n/a	✓	✓	✓	n/a	n/a
Raspbian 9 Stretch [5]	n/a	n/a	✓	✓	n/a	n/a	n/a
Linux with kernel 3.10.x and glibc 2.9 [5] [6]	n/a	n/a	✓	✓	n/a	n/a	n/a
Linux (ARM 32-bit Soft-Float) [7]							

Linux with kernel 2.6.34 and glibc 2.5 [8]	n/a	n/a	✓	✓	n/a	n/a	n/a
Debian 7 Wheezy [9]	n/a	n/a	✓	✓	n/a	n/a	n/a
Linux with kernel 3.10.x and glibc 2.9 [9]	n/a	n/a	✓	✓	n/a	n/a	n/a
Linux (MIPS 32-bit) [10]							
Linux with kernel 4.9.59 and glibc 2.9 [11]	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 [12]	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 [13]	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. Alpine Linux 3.17 or later for Java 24

3. Bundles with the Checkpoint/Restore (with the `criu` suffix) functionality require kernel 4.4.0+.
4. Bundles compiled with GCC 9 (with the `gcc9` suffix) require glibc 2.29.
5. 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.
6. Bundles with the CRaM (with the `cr` suffix) functionality require glibc 2.13.
7. 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.
8. Bundles with the C1 compiler. Tested on ARMv5 hardware.
9. Bundles with the C1 compiler were tested on ARMv6 and ARMv7 hardware. Bundles with both C1 and C2 compilers were tested on ARMv7 hardware.
10. MIPS32r2 ISA, Big Endian, FPU in 32-bit mode or equivalent emulation.
11. Linux soft-float O32 MIPS ABI
12. Bundles for this platform were tested on QorIQ® T4240-RDB.
13. 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. Currently available on Linux on `x86_64` and `ARM 64-bit` (using `GLIBC`), and as preview (EA) for Alpine Linux.
-  : 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	24

	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	✓	✓	✓	✓	✓	✓

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	Confidentiality	Integrity	Availability	Azul Zulu Versions Affected	Notes
CVE-2025-50059	Networking	Multiple	Yes	8.6	Network	Low	None	None	Changed	High	None	None	24, 21, 17, 11	Note 1
CVE-2025-30749	2D	Multiple	Yes	8.1	Network	High	None	None	Unchanged	High	High	High	24, 21, 17, 11, 8, 7	Note 1
CVE-2025-50106	2D	Multiple	Yes	8.1	Network	High	None	None	Unchanged	High	High	High	24, 21, 17, 11, 8, 7	Note 2
CVE-2025-24855	JavaFX (libxslt)	Multiple	Yes	7.5	Network	High	None	Required	Unchanged	High	High	High	24, 21, 17, 11, 8	Note 1
CVE-2025-27113	JavaFX (libxml2)	Multiple	Yes	7.5	Network	High	None	Required	Unchanged	High	High	High	24, 21, 17, 11, 8	Note 1
CVE-2025-30761	Scripting	Multiple	Yes	5.9	Network	High	None	None	Unchanged	None	High	None	11, 8	Note 2
CVE-2025-30754	JSSE	TLS	Yes	4.8	Network	High	None	None	Unchanged	Low	Low	None	24, 21, 17, 11, 8	Note 1
CVE-2025-23166	Node (Node.js)	Multiple	Yes	7.5	Network	Low	None	None	Unchanged	None	None	High	None	
CVE-2025-50063	Install	None	No	7.3	Local	Low	Low	Required	Unchanged	High	High	High	None	
CVE-2025-30752	Compiler	Multiple	Yes	3.7	Network	High	None	None	Unchanged	None	None	Low	None	
CVE-2025-50065	Native Image	HTTP	Yes	3.7	Network	High	None	None	Unchanged	None	None	Low	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-8345625	6, 7, 8, 11, 17, 21, 24	Better HTTP connections	CPU,PSU
JDK-8349111	6, 7, 8, 11, 17, 21, 24	Enhance Swing supports	CPU,PSU
JDK-8355054	8, 11, 17, 21	Update SQLite to 3.49.1	CPU,PSU
JDK-8349584	24	Improve compiler processing	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-8074350	6	Support ISO 4217 "Current funds codes" table (A.2)	CPU,PSU
JDK-8129361	6	ISO 4217 amendment 160	CPU,PSU
JDK-8145952	6	Currency update needed for ISO 4217 Amendment #161	CPU,PSU
JDK-8164784	6	Currency update needed for ISO 4217 Amendment #162.	CPU,PSU
JDK-8187946	6	Support ISO 4217 Amendments 163 and 164	CPU,PSU
JDK-8193552	6	ISO 4217 Amendment #165 Update	CPU,PSU
JDK-8195478	6	sun/text/resources/LocaleDataTest.java fails with java.lang.Exception	CPU,PSU
JDK-8202026	6	ISO 4217 Amendment #166 Update	CPU,PSU
JDK-8204269	6	ISO 4217 Amendment #167 Update	CPU,PSU
JDK-8208746	6	ISO 4217 Amendment #168 Update	CPU,PSU

OpenJDK Patch ID	Azul Zulu Version	Synopsis	CPU/PSU
JDK-8209775	6	ISO 4217 Amendment #169 Update	CPU,PSU
JDK-8210153	6	localized currency symbol of VES	CPU,PSU
JDK-8252497	6	Incorrect numeric currency code for ROL	CPU,PSU
JDK-8274658	6	ISO 4217 Amendment 170 Update	CPU,PSU
JDK-8283277	6	ISO 4217 Amendment 171 Update	CPU,PSU
JDK-8289549	6	ISO 4217 Amendment 172 Update	CPU,PSU
JDK-8294307	6	ISO 4217 Amendment 173 Update	CPU,PSU
JDK-8296239	6	ISO 4217 Amendment 174 Update	CPU,PSU
JDK-8297692	21	Avoid sending per-region GCPhaseParallel JFR events in G1ScanCollectionSetRegionClosure	CPU,PSU
JDK-8303770	6, 7, 8, 11, 17, 21, 24	Remove Baltimore root certificate expiring in May 2025	CPU,PSU
JDK-8305400	6, 7	ISO 4217 Amendment 175 Update	CPU,PSU
JDK-8321480	6, 7	ISO 4217 Amendment 176 Update	CPU,PSU
JDK-8334653	6, 7	ISO 4217 Amendment 177 Update	CPU,PSU
JDK-8350498	6, 7, 8, 11, 17, 21, 24	Remove two Camerfirma root CA certificates	CPU,PSU
JDK-8352716	6, 7, 8, 11, 17, 21, 24	(tz) Update Timezone Data to 2025b	CPU,PSU
JDK-8353433	6, 7, 8	XCG currency code not recognized in JDK 8u	CPU,PSU
JDK-8356096	6, 7, 8, 11, 17, 21, 24	ISO 4217 Amendment 179 Update	CPU,PSU
JDK-8359170	6, 7, 8, 11, 17, 21, 24	Add 2 TLS and 2 CS Sectigo roots	CPU,PSU
JDK-4850101	17	Setting mnemonic to VK_F4 underlines the letter S in a button.	PSU

OpenJDK Patch ID	Azul Zulu Version	Synopsis	CPU/PSU
JDK-5074006	17	Swing JOptionPane shows </html> tag as a string after newline	PSU
JDK-6956385	17, 21	URLConnection.getLastModified() leaks file handles for jar:file and file: URLs	PSU
JDK-8024624	17	[TEST_BUG] [macosx] CTRL+RIGHT(LEFT) doesn't move selection on next cell in JTable on Aqua L&F	PSU
JDK-8026976	8, 11	ECParameters, Point does not match field size	PSU
JDK-8028998	8	[TEST_BUG] [macosx] java/awt/dnd/DropTargetEnterExitTest/MissedDragExitTest.java failed	PSU
JDK-8042134	17	JOptionPane bungles HTML messages	PSU
JDK-8046883	8	com/sun/jdi/ProcessAttachTest.sh gets "java.io.IOException: Invalid process identifier" on windows	PSU
JDK-8051591	17, 21	Test javax/swing/JTabbedPane/8007563/Test8007563.java fails	PSU
JDK-8071996	8	split_if accesses NULL region of ConstraintCast	PSU
JDK-8077371	17	Binary files in JAXP test should be removed	PSU
JDK-8136895	21	Writer not closed with disk full error, file resource leaked	PSU
JDK-8159694	8	HiDPI, Unity, java/awt/dnd/DropTargetEnterExitTest/MissedDragExitTest.java	PSU
JDK-8180450	21	secondary_super_cache does not scale well	PSU
JDK-8183348	17, 21	Better cleanup for jdk/test/sun/security/pkcs12/P12SecretKey.java	PSU

OpenJDK Patch ID	Azul Zulu Version	Synopsis	CPU/PSU
JDK-8186143	8	keytool -ext option doesn't accept wildcards for DNS subject alternative names	PSU
JDK-8186787	8	clang-4.0 SIGSEGV in Unsafe_PutByte	PSU
JDK-8196465	17	javax/swing/JComboBox/8182031/ComboPopupTest.java fails on Linux	PSU
JDK-8200566	21	DistributionPointFetcher fails to fetch CRLs if the DistributionPoints field contains more than one DistributionPoint and the first one fails	PSU
JDK-8202100	17, 21	Merge vm/share/InMemoryJavaCompiler w/ jdk/test/lib/compiler/InMemoryJavaCompiler	PSU
JDK-8210471	21	GZIPInputStream constructor could leak an un-ended Inflater	PSU
JDK-8211400	11, 17, 21	nsk.share.gc.Memory::getArrayLength returns wrong value	PSU
JDK-8211851	24	(ch) java/nio/channels/AsynchronousSocketChannel/StressLoopback.java times out (aix)	PSU
JDK-8217914	24	java/net/httpclient/ConnectTimeoutHandshakeSync.java failed on connection refused while doing POST	PSU
JDK-8218474	17	JComboBox display issue with GTKLookAndFeel	PSU
JDK-8220213	21	com/sun/jndi/dns/ConfigTests/Timeout.java failed intermittent	PSU
JDK-8224267	17	JOptionPane message string with 5000+ newlines produces StackOverflowError	PSU
JDK-8231058	11	VerifyOops crashes with assert(_offset >= 0) failed: offset for non comment?	PSU
JDK-8232625	11	HttpClient redirect policy should be more conservative	PSU

OpenJDK Patch ID	Azul Zulu Version	Synopsis	CPU/PSU
JDK-8240235	8	jdk.test.lib.util.JarUtils updates jar files incorrectly	PSU
JDK-8248001	8	javadoc generates invalid HTML pages whose ftp:// links are broken	PSU
JDK-8249831	17, 21	Test sun/security/mscapi/nonUniqueAliases/NonUniqueAliases.java is marked with @ignore	PSU
JDK-8251505	17	Use of types in compiler shared code should be consistent.	PSU
JDK-8253440	17, 21	serviceability/sa/TestJhsdbJstackLineNumbers.java failed with "Didn't find enough line numbers"	PSU
JDK-8254786	17	java/net/httpclient/CancelRequestTest.java failing intermittently	PSU
JDK-8256211	17, 21	assert fired in java/net/httpclient/DependentPromiseActionsTest (infrequent)	PSU
JDK-8258483	11, 17, 21	[TESTBUG] gtest CollectorPolicy.young_scaled_initial_ergo_vm fails if heap is too small	PSU
JDK-8269516	17	AArch64: Assembler cleanups	PSU
JDK-8270269	21	Desktop.browse method fails if earlier Colnitalize call as COINIT_MULTITHREADED	PSU
JDK-8271419	17	Refactor test code for modifying CDS archive contents	PSU
JDK-8274597	8	Some of the dnd tests time out and fail intermittently	PSU
JDK-8274606	8	Fix jaxp/javax/xml/jaxp/unittest/transform/SurrogateTest.java test	PSU
JDK-8276995	17, 21, 24	Bug in jdk.jfr.event.gc.collection.TestSystemGC	PSU

OpenJDK Patch ID	Azul Zulu Version	Synopsis	CPU/PSU
JDK-8277983	17	Remove unused fields from sun.net.www.protocol.jar.JarURLConnection	PSU
JDK-8278472	8	Invalid value set to CANDIDATEFORM structure	PSU
JDK-8279016	21	JFR Leak Profiler is broken with Shenandoah	PSU
JDK-8279647	17	JFR: Unclosed directory stream	PSU
JDK-8279894	17	javax/swing/JInternalFrame/8020708/bug8020708.java timeouts on Windows 11	PSU
JDK-8280468	17	Crashes in getConfigColormap, getConfigVisualId, XVisualIDFromVisual on Linux	PSU
JDK-8280820	17	Clean up bug8033699 and bug8075609.java tests: regtesthelpers aren't used	PSU
JDK-8280991	17, 21, 24	[XWayland] No displayChanged event after setDisplayMode call	PSU
JDK-8281511	17, 21, 24	java/net/ipv6tests/UdpTest.java fails with checkTime failed	PSU
JDK-8282726	21	java/net/vthread/BlockingSocketOps.java timeout/hang intermittently on Windows	PSU
JDK-8282863	17	java/awt/FullScreen/FullscreenWindowProps/FullscreenWindowProps.java fails on Windows 10 with HiDPI screen	PSU
JDK-8286204	17, 21, 24	[Accessibility,macOS,VoiceOver] VoiceOver reads the spinner value 10 as 1 when user iterates to 10 for the first time on macOS	PSU
JDK-8286789	17, 21	Test forceEarlyReturn002.java timed out	PSU
JDK-8286875	17, 21	ProgrammableUpcallHandler::on_entry/on_exit access thread fields from native	PSU
JDK-8286925	17	Move JSON parser used in JFR tests to test library	PSU

OpenJDK Patch ID	Azul Zulu Version	Synopsis	CPU/PSU
JDK-8287352	17	DockerTestUtils::execute shows incorrect elapsed time	PSU
JDK-8287801	17	Fix test-bugs related to stress flags	PSU
JDK-8288707	17	javax/swing/JToolBar/4529206/bug4529206.java: setFloating does not work correctly	PSU
JDK-8290043	24	serviceability/attach/ConcAttachTest.java failed "guarantee(!CheckJNICalls) failed: Attached JNI thread exited without being detached"	PSU
JDK-8290162	17	Reset recursion counter missed in fix of JDK-8224267	PSU
JDK-8292064	17	Convert java/lang/management/MemoryMXBean shell tests to java version	PSU
JDK-8293345	11	SunPKCS11 provider checks on PKCS11 Mechanism are problematic	PSU
JDK-8293503	17	gc/metaspace/TestMetaspacePerfCounters.java# Epsilon-64 failed assertGreaterThanOrEqual: expected MMM >= NNN	PSU
JDK-8294038	17	Remove "Classpath" exception from javax/swing tests	PSU
JDK-8294155	17, 21, 24	Exception thrown before awaitAndCheck hangs PassFailJFrame	PSU
JDK-8295670	17	Remove duplication in java/util/Formatter/Basic*.java	PSU
JDK-8295804	17, 21	javax/swing/JFileChooser/JFileChooserSetLocationTest.java failed with "setLocation() is not working properly"	PSU
JDK-8296072	17	CertAttrSet::encode and DerEncoder::derEncode should write into DerOutputStream	PSU

OpenJDK Patch ID	Azul Zulu Version	Synopsis	CPU/PSU
JDK-8296167	17	test/langtools/tools/jdeps/jdkinternals/ShowReplacement.java failing after JDK-8296072	PSU
JDK-8296631	8, 11	NSS tests failing on OL9 linux-aarch64 hosts	PSU
JDK-8296920	17	Regression Test DialogOrient.java fails on MacOS	PSU
JDK-8297173	17	usageTicks and totalTicks should be volatile to ensure that different threads get the latest ticks	PSU
JDK-8297242	17	Use-after-free during library unloading on Linux	PSU
JDK-8298061	17	vmTestbase/nsk/sysdict/vm/stress/btree/btree012/btree012.java failed with "fatal error: refcount has gone to zero"	PSU
JDK-8298147	17	Clang warns about pointless comparisons	PSU
JDK-8298248	17	Limit sscanf output width in cgroup file parsers	PSU
JDK-8298709	17	Fix typos in src/java.desktop/ and various test classes of client component	PSU
JDK-8298730	17	Refactor subsystem_file_line_contents and add docs and tests	PSU
JDK-8300645	17	Handle julong values in logging of GET_CONTAINER_INFO macros	PSU
JDK-8300658	17	memory_and_swap_limit() reporting wrong values on systems with swapaccount=0	PSU
JDK-8302226	17	failure_handler native.core should wait for coredump to finish	PSU
JDK-8303549	17	[AIX] TestNativeStack.java is failing with exit value 1	PSU
JDK-8305010	17, 21, 24	Test vmTestbase/nsk/jvmti/scenarios/sampling/SP05/sp05t003/TestDescription.java timed out: thread not suspended	PSU

OpenJDK Patch ID	Azul Zulu Version	Synopsis	CPU/PSU
JDK-8305578	17	X11GraphicsDevice.pGetBounds() is slow in remote X11 sessions	PSU
JDK-8306997	17	C2: "malformed control flow" assert due to missing safepoint on backedge with a switch	PSU
JDK-8307318	17, 21	Test serviceability/sa/ClhsdbCDSJstackPrintAll.java failed: ArrayIndexOutOfBoundsException	PSU
JDK-8307824	21	Clean up Finalizable.java and finalize terminology in vmTestbase/nsk/share	PSU
JDK-8308033	21	The jcmd thread dump related tests should test virtual threads	PSU
JDK-8308341	17	JNI_GetCreatedJavaVMs returns a partially initialized JVM	PSU
JDK-8308875	17	java/awt/Toolkit/GetScreenInsetsCustomGC/GetScreenInsetsCustomGC.java failed with 'Cannot invoke "sun.awt.X11GraphicsDevice.getInsets()" because "device" is null'	PSU
JDK-8308966	21	Add intrinsic for float/double modulo for x86 AVX2 and AVX512	PSU
JDK-8309171	17	Test vmTestbase/nsk/jvmti/scenarios/jni_interception/JI05/ji05t001/TestDescription.java fails after JDK-8308341	PSU
JDK-8309231	17	ProblemList vmTestbase/nsk/jvmti/scenarios/jni_interception/JI05/ji05t001/TestDescription.java	PSU
JDK-8309667	21	TLS handshake fails because of ConcurrentModificationException in PKCS12KeyStore.engineGetEntry	PSU

OpenJDK Patch ID	Azul Zulu Version	Synopsis	CPU/PSU
JDK-8309841	8, 11, 17, 21	Jarsigner should print a warning if an entry is removed	PSU
JDK-8309978	21	[x64] Fix useless padding	PSU
JDK-8310066	21	Improve test coverage for JVMTI GetThreadState on carrier and mounted vthread	PSU
JDK-8310525	17, 21	DynamicLauncher for JDP test needs to try harder to find a free port	PSU
JDK-8312246	17, 21	NPE when HSDB visits bad oop	PSU
JDK-8312475	21	org.jline.util.PumpReader signed byte problem	PSU
JDK-8313290	21	Misleading exception message from STS.Subtask::get when task forked after shutdown	PSU
JDK-8313430	21	[JVMCI] fatal error: Never compilable: in JVMCI shutdown	PSU
JDK-8313654	21	Test WaitNotifySuspendedVThreadTest.java timed out	PSU
JDK-8314056	21	Remove runtime platform check from frem/drem	PSU
JDK-8314120	17	Add tests for FileDescriptor.sync	PSU
JDK-8314136	21	Test java/net/httpclient/CancelRequestTest.java failed: WARNING: tracker for HttpClientImpl(42) has outstanding operations	PSU
JDK-8314236	17, 21	Overflow in Collections.rotate	PSU
JDK-8314246	17	javax/swing/JToolBar/4529206/bug4529206.java fails intermittently on Linux	PSU
JDK-8314319	21	LogCompilation doesn't reset lateInlining when it encounters a failure.	PSU
JDK-8314320	17	Mark runtime/CommandLine/ tests as flagless	PSU

OpenJDK Patch ID	Azul Zulu Version	Synopsis	CPU/PSU
JDK-8314828	17	Mark 3 jcmd command-line options test as vm.flagless	PSU
JDK-8314840	21, 24	3 gc/epsilon tests ignore external vm options	PSU
JDK-8314842	21	zgc/genzgc tests ignore vm flags	PSU
JDK-8315128	21	jdk/jfr/event/runtime/TestResidentSetSizeEvent.java fails with "The size should be less than or equal to peak"	PSU
JDK-8315380	11	AsyncGetCallTrace crash in frame::safe_for_sender	PSU
JDK-8315484	17, 21	java/awt/dnd/RejectDragDropActionTest.java timed out	PSU
JDK-8315669	17, 21	Open source several Swing PopupMenu related tests	PSU
JDK-8315721	17	CloseRace.java#id0 fails transiently on libgraal	PSU
JDK-8315742	17, 21	Open source several Swing Scroll related tests	PSU
JDK-8315827	21	Kitchensink.java and RenaissanceStressTest.java time out with jvmti module errors	PSU
JDK-8315871	17, 21	Opensource five more Swing regression tests	PSU
JDK-8315876	17, 21	Open source several Swing CSS related tests	PSU
JDK-8315951	17, 21	Open source several Swing HTMLToolkit related tests	PSU
JDK-8315981	17, 21	Opensource five more random Swing tests	PSU
JDK-8316061	17, 21	Open source several Swing RootPane and Slider related tests	PSU
JDK-8316156	17	ByteArrayInputStream.transferTo causes MaxDirectMemorySize overflow	PSU
JDK-8316228	17	jcmd tests are broken by 8314828	PSU

OpenJDK Patch ID	Azul Zulu Version	Synopsis	CPU/PSU
JDK-8316324	17, 21	Opensource five miscellaneous Swing tests	PSU
JDK-8316388	17, 21	Opensource five Swing component related regression tests	PSU
JDK-8316451	17	6 java/lang/instrument/PremainClass tests ignore VM flags	PSU
JDK-8316452	17, 21	java/lang/instrument/modules/AppendToClassPathModuleTest.java ignores VM flags	PSU
JDK-8316460	17	4 javax/management tests ignore VM flags	PSU
JDK-8316497	17, 21	ColorConvertOp - typo for non-ICC conversions needs one-line fix	PSU
JDK-8316629	17, 21	j.text.DateFormatSymbols setZoneStrings() exception is unhelpful	PSU
JDK-8317264	21	Pattern.Bound has <code>static</code> fields that should be <code>static final</code> .	PSU
JDK-8317808	21	HTTP/2 stream cancellImpl may leave subscriber registered	PSU
JDK-8318509	21	x86 count_positives intrinsic broken for -XX:AVX3Threshold=0	PSU
JDK-8318636	21	Add jcmd to print annotated process memory map	PSU
JDK-8318700	17, 21	MacOS Zero cannot run gtests due to wrong JVM path	PSU
JDK-8318811	21	Compiler directives parser swallows a character after line comments	PSU
JDK-8318915	17, 21	Enhance checks in BigDecimal.toPlainString()	PSU
JDK-8318962	17	Update ProcessTools javadoc with suggestions in 8315097	PSU
JDK-8319439	21	Move BufferNode from PtrQueue files to new files	PSU

OpenJDK Patch ID	Azul Zulu Version	Synopsis	CPU/PSU
JDK-8319572	17, 21	Test jdk/incubator/vector/LoadJsvmlTest.java ignores VM flags	PSU
JDK-8319578	17	Few java/lang/instrument ignore test.java.opts and accept test.vm.opts only	PSU
JDK-8319690	17, 21	[AArch64] C2 compilation hits offset_ok_for_immed: assert "c2 compiler bug"	PSU
JDK-8320682	17	[AArch64] C1 compilation fails with "Field too big for insn"	PSU
JDK-8320687	17, 21	sun.jvmstat.monitor.MonitoredHost.getMonitoredHost() throws unexpected exceptions when invoked concurrently	PSU
JDK-8320948	21	NPE due to unreported compiler error	PSU
JDK-8321204	17, 21	C2: assert(false) failed: node should be in igvn hash table	PSU
JDK-8321479	17, 21	java -D-D crashes	PSU
JDK-8321509	17	False positive in get_trampoline fast path causes crash	PSU
JDK-8321713	17	Harmonize executeTestJvm with create[Limited]TestJavaProcessBuilder	PSU
JDK-8321718	17	ProcessTools.executeProcess calls waitFor before logging	PSU
JDK-8321931	17, 21	memory_swap_current_in_bytes reports 0 as "unlimited"	PSU
JDK-8322141	21	SequenceInputStream.transferTo should not return as soon as Long.MAX_VALUE bytes have been transferred	PSU
JDK-8322475	21	Extend printing for System.map	PSU
JDK-8322983	24	Virtual Threads: exclude 2 tests	PSU

OpenJDK Patch ID	Azul Zulu Version	Synopsis	CPU/PSU
JDK-8323795	21	jcmod Compiler.codecache should print total size of code cache	PSU
JDK-8324345	21	Stack overflow during C2 compilation when splitting memory phi	PSU
JDK-8324678	21	Replace NULL with nullptr in HotSpot gtests	PSU
JDK-8324681	21	Replace NULL with nullptr in HotSpot jtreg test native code files	PSU
JDK-8324799	21	Use correct extension for C++ test headers	PSU
JDK-8324880	21	Rename get_stack_trace.h	PSU
JDK-8325055	21	Rename Injector.h	PSU
JDK-8325180	21	Rename jvmti_FollowRefObjects.h	PSU
JDK-8325347	21	Rename native_thread.h	PSU
JDK-8325367	21	Rename nsk_list.h	PSU
JDK-8325435	17, 21	[macos] Menu or JPopupMenu not closed when main window is resized	PSU
JDK-8325456	21	Rename nsk_mutex.h	PSU
JDK-8325458	21	Rename mlvmJvmtiUtils.h	PSU
JDK-8325680	17, 21	Uninitialised memory in deleteGSSCB of GSSLibStub.c:179	PSU
JDK-8325682	17, 21	Rename nsk_strace.h	PSU
JDK-8325910	21	Rename jnihelper.h	PSU
JDK-8326090	21	Rename jvmti_aod.h	PSU
JDK-8326524	21	Rename agent_common.h	PSU
JDK-8326586	21	Improve Speed of System.map	PSU
JDK-8327071	21	[Testbug] g-tests for cgroup leave files in /tmp on linux	PSU

OpenJDK Patch ID	Azul Zulu Version	Synopsis	CPU/PSU
JDK-8327169	21	serviceability/dcmd/vm/SystemMapTest.java and SystemDumpMapTest.java may fail after JDK-8326586	PSU
JDK-8327370	21	(ch) sun.nio.ch.Poller.register throws AssertionError	PSU
JDK-8327461	21	KeyStore getEntry is not thread-safe	PSU
JDK-8327476	11	Upgrade JLine to 3.26.1	PSU
JDK-8328107	21	Shenandoah/C2: TestVerifyLoopOptimizations test failure	PSU
JDK-8328301	17, 21	Convert Applet test ManualHTMLDataFlavorTest.java to main program	PSU
JDK-8328344	17, 21	[CRaC] Avoid error when running with -XX:+PerfDisableSharedMem	PSU
JDK-8328482	17, 21	Convert and Open source few manual applet test to main based	PSU
JDK-8328484	17, 21	Convert and Opensource few JFileChooser applet test to main	PSU
JDK-8328648	17, 21	Remove applet usage from JFileChooser tests bug4150029	PSU
JDK-8328670	17, 21	Automate and open source few closed manual applet test	PSU
JDK-8328673	17, 21	Convert closed text/html/CSS manual applet test to main	PSU
JDK-8328864	21	NullPointerException in sun.security.jca.ProviderList.getService()	PSU
JDK-8328957	11	Update PKCS11Test.java to not use hardcoded path	PSU

OpenJDK Patch ID	Azul Zulu Version	Synopsis	CPU/PSU
JDK-8329261	17, 21	G1: interpreter post-barrier x86 code asserts index size of wrong buffer	PSU
JDK-8329729	21	java/util/Properties/StoreReproducibilityTest.java times out	PSU
JDK-8330106	21	C2: VectorInsertNode::make() shouldn't call ConlNode::make() directly	PSU
JDK-8330158	21	C2: Loop strip mining uses ABS with min int	PSU
JDK-8330534	17, 21	Update nsk/jdwp tests to use driver instead of othervm	PSU
JDK-8330598	17, 21, 24	java/net/httpclient/Http1ChunkedTest.java fails with java.util.MissingFormatArgumentException: Format specifier '%s'	PSU
JDK-8330936	21, 24	avoid signed integer overflows in libawt java2d	PSU
JDK-8331088	21	Incorrect TraceLoopPredicate output	PSU
JDK-8331735	17, 21	UpcallLinker::on_exit races with GC when copying frame anchor	PSU
JDK-8331959	11	Update PKCS#11 Cryptographic Token Interface to v3.1	PSU
JDK-8332252	21	Clean up vmTestbase/vm/share	PSU
JDK-8332506	21	SIGFPE In ObjectSynchronizer::is_async_deflation_needed()	PSU
JDK-8332631	21	Update nsk.share.jpda.BindServer to don't use finalization	PSU
JDK-8332641	21	Update nsk.share.jpda.Jdb to don't use finalization	PSU
JDK-8332880	21	JFR GCHelper class recognizes "Archive" regions as valid	PSU
JDK-8332921	21	Ctrl+C does not call shutdown hooks after JLine upgrade	PSU

OpenJDK Patch ID	Azul Zulu Version	Synopsis	CPU/PSU
JDK-8333013	21	Update vmTestbase/nsk/share/LocalProcess.java to don't use finalization	PSU
JDK-8333117	17, 21	Remove support of remote and manual debuggee launchers	PSU
JDK-8333680	17, 21	com/sun/tools/attach/BasicTests.java fails with "SocketException: Permission denied: connect"	PSU
JDK-8333805	21	Replaying compilation with null static final fields results in a crash	PSU
JDK-8333890	21	Fatal error in auto-vectorizer with float16 kernel.	PSU
JDK-8334560	17	[PPC64]: postalloc_expand_java_dynamic_call_sched does not copy all fields	PSU
JDK-8334644	17, 21, 24	Automate javax/print/attribute/PageRangesException.java	PSU
JDK-8334780	17, 21	Crash: assert(h_array_list.not_null()) failed: invariant	PSU
JDK-8334895	17, 21	OpenJDK fails to configure on linux aarch64 when CDS is disabled after JDK-8331942	PSU
JDK-8335643	21	serviceability/dcmd/vm tests fail for ZGC after JDK-8322475	PSU
JDK-8335662	17, 21	[AArch64] C1: guarantee(val < (1ULL << nbits)) failed: Field too big for insn	PSU
JDK-8335684	17, 21	Test ThreadCpuTime.java should pause like ThreadCpuTimeArray.java	PSU
JDK-8335710	21	serviceability/dcmd/vm/SystemDumpMapTest.java and SystemMapTest.java fail on Linux Alpine after 8322475	PSU

OpenJDK Patch ID	Azul Zulu Version	Synopsis	CPU/PSU
JDK-8335836	17, 21	serviceability/jvmti/StartPhase/AllowedFunctions/AllowedFunctions.java fails with unexpected exit code: 112	PSU
JDK-8335860	21	compiler/vectorization/TestFloat16VectorConvChain.java fails with non-standard AVX/SSE settings	PSU
JDK-8336042	21, 24	Caller/callee param size mismatch in deoptimization causes crash	PSU
JDK-8336499	21	Failure when creating non-CRT RSA private keys in SunPKCS11	PSU
JDK-8336587	17, 21	failure_handler lldb command times out on macosx-aarch64 core file	PSU
JDK-8336827	21	compiler/vectorization/TestFloat16VectorConvChain.java timeouts on ppc64 platforms after JDK-8335860	PSU
JDK-8337221	17, 21	CompileFramework: test library to conveniently compile java and jasm sources for fuzzing	PSU
JDK-8337299	17, 21	vmTestbase/nsk/jdb/stop_at/stop_at002/stop_at002.java failure goes undetected	PSU
JDK-8337681	21	PNGImageWriter uses much more memory than necessary	PSU
JDK-8337795	21	Type annotation attached to incorrect type during class reading	PSU
JDK-8337958	21	Out-of-bounds array access in secondary_super_cache	PSU
JDK-8337981	21	ShenandoahHeap::is_in should check for alive regions	PSU
JDK-8337998	21	CompletionFailure in getEnclosingType attaching type annotations	PSU
JDK-8338010	21	WB_IsFrameDeoptimized miss ResourceMark	PSU

OpenJDK Patch ID	Azul Zulu Version	Synopsis	CPU/PSU
JDK-8338064	21	Give better error for ConcurrentHashTable corruption	PSU
JDK-8338136	21	Hotspot should support multiple large page sizes on Windows	PSU
JDK-8338154	17, 21	Fix -Wzero-as-null-pointer-constant warnings in gtest framework	PSU
JDK-8338202	21	Shenandoah: Improve handshake closure labels	PSU
JDK-8338303	24	Linux ppc64le with toolchain clang - detection failure in early JVM startup	PSU
JDK-8338314	21	JFR: Split JFRCheckpoint VM operation	PSU
JDK-8339148	17, 21	Make os::Linux::active_processor_count() public	PSU
JDK-8339288	21	Improve diagnostic logging runtime/cds/DeterministicDump.java	PSU
JDK-8339300	11, 17, 21	CollectorPolicy.young_scaled_initial_ergo_vm gtest fails on ppc64 based platforms	PSU
JDK-8339356	24	Test javax/net/ssl/SSLSocket/Tls13PacketSize.java failed with java.net.SocketException: An established connection was aborted by the software in your host machine	PSU
JDK-8339538	21	Wrong timeout computations in DnsClient	PSU
JDK-8339560	8, 11	Unaddressed comments during code review of JDK-8337664	PSU
JDK-8339639	17, 21	Opensource few AWT PopupMenu tests	PSU
JDK-8339678	17, 21	Update runtime/conddy tests to be executed with VM flags	PSU
JDK-8339727	17, 21	Open source several AWT focus tests - series 1	PSU

OpenJDK Patch ID	Azul Zulu Version	Synopsis	CPU/PSU
JDK-8339728	11	[Accessibility,Windows,JAWS] Bug in the getKeyChar method of the AccessBridge class	PSU
JDK-8339769	21	Incorrect error message during startup if working directory does not exist	PSU
JDK-8339794	17, 21	Open source closed choice tests #1	PSU
JDK-8339810	8, 11, 17, 21	Clean up the code in sun.tools.jar.Main to properly close resources and use ZipFile during extract	PSU
JDK-8339836	17, 21	Open source several AWT Mouse tests - Batch 1	PSU
JDK-8339842	17, 21	Open source several AWT focus tests - series 2	PSU
JDK-8339889	24	Several compiler tests ignore vm flags and not marked as flagless	PSU
JDK-8339895	17, 21	Open source several AWT focus tests - series 3	PSU
JDK-8339906	17, 21	Open source several AWT focus tests - series 4	PSU
JDK-8339935	17, 21	Open source several AWT focus tests - series 5	PSU
JDK-8339982	17, 21	Open source several AWT Mouse tests - Batch 2	PSU
JDK-8339984	17, 21	Open source AWT MenuItem related tests	PSU
JDK-8339995	17, 21	Open source several AWT focus tests - series 6	PSU
JDK-8340024	21	In ClassReader, extract a constant for the superclass supertype_index	PSU
JDK-8340077	17, 21	Open source few Checkbox tests - Set2	PSU
JDK-8340084	17, 21	Open source AWT Frame related tests	PSU
JDK-8340143	17, 21	Open source several Java2D rendering loop tests.	PSU
JDK-8340146	21	ZGC: TestAllocateHeapAt.java should not run with UseLargePages	PSU
JDK-8340164	17, 21	Open source few Component tests - Set1	PSU

OpenJDK Patch ID	Azul Zulu Version	Synopsis	CPU/PSU
JDK-8340173	17, 21	Open source some Component/Panel/EventQueue tests - Set2	PSU
JDK-8340176	17, 21	Replace usage of -noclassgc with -Xnoclassgc in test/jdk/java/lang/management/MemoryMXBean/LowMemoryTest2.java	PSU
JDK-8340193	17, 21	Open source several AWT Dialog tests - Batch 1	PSU
JDK-8340228	17, 21	Open source couple more miscellaneous AWT tests	PSU
JDK-8340271	17, 21	Open source several AWT Robot tests	PSU
JDK-8340279	17, 21	Open source several AWT Dialog tests - Batch 2	PSU
JDK-8340332	17, 21	Open source mixed AWT tests - Set3	PSU
JDK-8340366	17, 21	Open source several AWT Dialog tests - Batch 3	PSU
JDK-8340367	17, 21	Opensource few AWT image tests	PSU
JDK-8340387	8	Update OS detection code to recognize Windows Server 2025	PSU
JDK-8340393	17, 21	Open source closed choice tests #2	PSU
JDK-8340407	17, 21	Open source a few more Component related tests	PSU
JDK-8340417	17, 21	Open source some MenuBar tests - Set1	PSU
JDK-8340432	17, 21	Open source some MenuBar tests - Set2	PSU
JDK-8340433	17, 21	Open source closed choice tests #3	PSU
JDK-8340437	17, 21	Open source few more AWT Frame related tests	PSU
JDK-8340458	17, 21	Open source additional Component tests (part 2)	PSU
JDK-8340555	17, 21	Open source DnD tests - Set4	PSU
JDK-8340560	17, 21	Open Source several AWT/2D font and rendering tests	PSU
JDK-8340605	17, 21	Open source several AWT PopupMenu tests	PSU

OpenJDK Patch ID	Azul Zulu Version	Synopsis	CPU/PSU
JDK-8340621	17, 21	Open source several AWT List tests	PSU
JDK-8340625	17, 21	Open source additional Component tests (part 3)	PSU
JDK-8340639	17, 21	Open source few more AWT List tests	PSU
JDK-8340713	17, 21	Open source DnD tests - Set5	PSU
JDK-8340784	17, 21, 24	Remove PassFailJFrame constructor with screenshots	PSU
JDK-8340790	17, 21	Open source several AWT Dialog tests - Batch 4	PSU
JDK-8340809	17, 21	Open source few more AWT PopupMenu tests	PSU
JDK-8340874	17, 21	Open source some of the AWT Geometry/Button tests	PSU
JDK-8340907	17, 21	Open source closed frame tests # 2	PSU
JDK-8340966	17, 21	Open source few Checkbox and Cursor tests - Set1	PSU
JDK-8340967	17, 21	Open source few Cursor tests - Set2	PSU
JDK-8340978	17, 21	Open source few DnD tests - Set6	PSU
JDK-8340985	17, 21	Open source some Desktop related tests	PSU
JDK-8341000	17, 21	Open source some of the AWT Window tests	PSU
JDK-8341004	17, 21	Open source AWT FileDialog related tests	PSU
JDK-8341072	17, 21	Open source several AWT Canvas and Rectangle related tests	PSU
JDK-8341128	17, 21	open source some 2d graphics tests	PSU
JDK-8341148	17, 21	Open source several Choice related tests	PSU
JDK-8341162	17, 21	Open source some of the AWT window test	PSU
JDK-8341170	17, 21	Open source several Choice related tests (part 2)	PSU
JDK-8341177	17, 21	Opensource few List and a Window test	PSU
JDK-8341191	17, 21	Open source few more AWT FileDialog tests	PSU

OpenJDK Patch ID	Azul Zulu Version	Synopsis	CPU/PSU
JDK-8341239	17, 21	Open source closed frame tests # 3	PSU
JDK-8341257	17, 21	Open source few DND tests - Set1	PSU
JDK-8341258	17, 21	Open source few various AWT tests - Set1	PSU
JDK-8341278	17, 21	Open source few TrayIcon tests - Set7	PSU
JDK-8341298	17, 21	Open source more AWT window tests	PSU
JDK-8341373	17, 21	Open source closed frame tests # 4	PSU
JDK-8341378	17, 21	Open source few TrayIcon tests - Set8	PSU
JDK-8341447	17, 21	Open source closed frame tests # 5	PSU
JDK-8341535	17, 21	sun/awt/font/TestDevTransform.java fails with RuntimeException: Different rendering	PSU
JDK-8341637	17, 21	java/net/Socket/UdpSocket.java fails with "java.net.BindException: Address already in use" (macos-aarch64)	PSU
JDK-8341779	21	[REDO BACKPORT] type annotations are not visible to javac plugins across compilation boundaries (JDK-8225377)	PSU
JDK-8341946	8	[8u] sun/security/pkcs11/ec/ tests fail on RHEL9	PSU
JDK-8341972	17, 21	java/awt/dnd/DnDRemoveFocusOwnerCrashTest.java timed out after JDK-8341257	PSU
JDK-8342376	17, 21	More reliable OOM handling in ExceptionDuringDumpAtObjectsInitPhase test	PSU
JDK-8342524	17, 21, 24	Use latch in AbstractButton/bug6298940.java instead of delay	PSU
JDK-8342633	17, 21	javax/management/security/HashedPasswordFileTest.java creates tmp file in src dir	PSU

OpenJDK Patch ID	Azul Zulu Version	Synopsis	CPU/PSU
JDK-8342775	24	[Graal] java/util/concurrent/locks/Lock/OOMEInAQS.java fails OOME thrown from the UncaughtExceptionHandler	PSU
JDK-8342958	21	Use jvmArgs consistently in microbenchmarks	PSU
JDK-8343019	21	Primitive caches must use boxed instances from the archive	PSU
JDK-8343037	17, 21	Missing @since tag on JColorChooser.showDialog overload	PSU
JDK-8343103	17, 21	Enable debug logging for vmTestbase/nsk/jvmti/scenarios/sampling/SP05/sp05t003/TestDescription.java	PSU
JDK-8343124	17, 21	Tests fails with java.lang.IllegalAccessException: class com.sun.javatest.regtest.agent.MainWrapper\$MainTask cannot access	PSU
JDK-8343144	17, 21	UpcallLinker::on_entry racingly clears pending exception with GC safepoints	PSU
JDK-8343170	17, 21	java/awt/Cursor/JPanelCursorTest/JPanelCursorTest.java does not show the default cursor	PSU
JDK-8343191	24	Cgroup v1 subsystem fails to set subsystem path	PSU
JDK-8343205	17	CompileBroker::possibly_add_compiler_threads excessively polls available memory	PSU
JDK-8343224	21, 24	print/Dialog/PaperSizeError.java fails with MediaSizeName is not A4: A4	PSU
JDK-8343342	21	java/io/File/GetXSpace.java fails on Windows with CD-ROM drive	PSU
JDK-8343345	21	Use -jvmArgsPrepend when running microbenchmarks in RunTests.gmk	PSU

OpenJDK Patch ID	Azul Zulu Version	Synopsis	CPU/PSU
JDK-8343529	17, 21	serviceability/sa/ClhsdbWhere.java fails AssertionFailure: Corrupted constant pool	PSU
JDK-8343607	24	C2: Shenandoah crashes during barrier expansion in Continuation::enter	PSU
JDK-8343754	21	ProblemList jdk/jfr/event/oldobject/TestShenandoah.java after JDK-8279016	PSU
JDK-8343855	21	HTTP/2 ConnectionWindowUpdateSender may miss some unprocessed DataFrames from closed streams	PSU
JDK-8343882	24	BasicAnnoTests doesn't handle multiple annotations at the same position	PSU
JDK-8343891	17, 21	Test javax/swing/JTabbedPane/TestJTabbedPaneBack groundColor.java failed	PSU
JDK-8343936	17, 21	Adjust timeout in test javax/management/monitor/DerivedGaugeMonitor Test.java	PSU
JDK-8343978	24	Update the default value of CodeEntryAlignment for Ampere-1A and 1B	PSU
JDK-8344316	17, 21, 24	security/auth/callback/TextCallbackHandler/Pass word.java make runnable with JReg and add the UI	PSU
JDK-8344346	21	java/net/httpclient/ShutdownNow.java fails with java.lang.AssertionError: client was still running, but exited after further delay: timeout should be adjusted	PSU
JDK-8344361	17, 21, 24	Restore null return for invalid services from legacy providers	PSU

OpenJDK Patch ID	Azul Zulu Version	Synopsis	CPU/PSU
JDK-8344414	21	ZGC: Another division by zero in rule_major_allocation_rate	PSU
JDK-8344453	24	Test jdk/jfr/event/oldobject/TestSanityDefault.java timed out	PSU
JDK-8344581	24	[TESTBUG] java/awt/Robot/ScreenCaptureRobotTest.java failing on macOS	PSU
JDK-8344629	24	SSLSocketNoServerHelloClientShutdown test timeout	PSU
JDK-8344892	24	beans/finder/MethodFinder.findMethod incorrectly returns null	PSU
JDK-8344925	21, 24	translet-name ignored when package-name is also set	PSU
JDK-8345133	8, 11, 17, 21, 24	Test sun/security/tools/jarsigner/TsacertOptionTest.java failed: Warning found in stdout	PSU
JDK-8345134	17, 21, 24	Test sun/security/tools/jarsigner/ConciseJarsigner.java failed: unable to find valid certification path to requested target	PSU
JDK-8345146	21	[PPC64] Make intrinsic conversions between bit representations of half precision values and floats	PSU
JDK-8345185	24	Update jpackage to not include service bindings by default	PSU
JDK-8345341	21	Fix incorrect log message in JDI stop002t test	PSU
JDK-8345357	17, 21	test/jdk/javawx/swing/JRadioButton/8033699/bug8033699.java fails in ubuntu22.04	PSU
JDK-8345368	24	java/io/File/createTempFile/SpecialTempFile.java fails on Windows Server 2025	PSU

OpenJDK Patch ID	Azul Zulu Version	Synopsis	CPU/PSU
JDK-8345447	17, 21	test/jdk/javafx/swing/JToolBar/4529206/bug4529206.java fails in ubuntu22.04	PSU
JDK-8345547	17, 21	test/jdk/javafx/swing/text/DefaultEditorKit/4278839/bug4278839.java fails in ubuntu22.04	PSU
JDK-8345569	24	[ubsan] adjustments to filemap.cpp and virtualspace.cpp for macOS aarch64	PSU
JDK-8345598	17, 21	Upgrade NSS binaries for interop tests	PSU
JDK-8345614	24	Improve AnnotationFormatError message for duplicate annotation interfaces	PSU
JDK-8345676	24	[ubsan] ProcessImpl_md.c:561:40: runtime error: applying zero offset to null pointer on macOS aarch64	PSU
JDK-8345684	24	OperatingSystemMXBean.getSystemCpuLoad() throws NPE	PSU
JDK-8345728	17, 21, 24	[Accessibility,macOS,Screen Magnifier]: JCheckbox unchecked state does not magnify but works for checked state	PSU
JDK-8345838	17, 21	Remove the appcds/javaldx/AnonVmClassesDuringDump.java test	PSU
JDK-8345959	24	Make JVM_IsStaticallyLinked JVM_LEAF	PSU
JDK-8346049	17, 21, 24	jdk/test/lib/security/timestamp/TsaServer.java warnings	PSU
JDK-8346082	21, 24	Output JVMTI agent information in hserr files	PSU
JDK-8346239	24	Improve memory efficiency of JimageDiffGenerator	PSU
JDK-8346264	21, 24	"Total compile time" counter should include time spent in failing/bailout compiles	PSU

OpenJDK Patch ID	Azul Zulu Version	Synopsis	CPU/PSU
JDK-8346285	24	Update jarsigner compatibility test for change in default digest algorithm	PSU
JDK-8346324	24	javax/swing/JScrollBar/4865918/bug4865918.java fails in CI	PSU
JDK-8346386	21	[CRaC] Move CRaC's Java code out of restricted packages	PSU
JDK-8346581	17, 21, 24	JRadioButton/ButtonGroupFocusTest.java fails in CI on Linux	PSU
JDK-8346587	8, 11, 17, 21, 24	Distrust TLS server certificates anchored by Camerfirma Root CAs	PSU
JDK-8346671	24	java/nio/file/Files/probeContentType/Basic.java fails on Windows 2025	PSU
JDK-8346688	24	GenShen: Missing metadata trigger log message	PSU
JDK-8346690	24	Shenandoah: Fix log message for end of GC usage report	PSU
JDK-8346705	24	SNI not sent with Java 22+ using java.net.http.HttpClient.Builder#sslParameters	PSU
JDK-8346712	24	Remove com/sun/net/httpserver/TcpNoDelayNotRequired.java test	PSU
JDK-8346713	24	[testsuite] NeverActAsServerClassMachine breaks TestPLABAdaptToMinTLABSize.java TestPinnedHumongousFragmentation.java TestPinnedObjectContents.java	PSU
JDK-8346832	24	runtime/CompressedOops/CompressedCPUSpecificClassSpaceReservation.java fails on RISC-V	PSU
JDK-8346868	24	RISC-V: compiler/sharedstubs tests fail after JDK-8332689	PSU

OpenJDK Patch ID	Azul Zulu Version	Synopsis	CPU/PSU
JDK-8346880	24	[aix] java/lang/ProcessHandle/InfoTest.java still fails: "reported cputime less than expected"	PSU
JDK-8346881	24	[ubsan] logSelection.cpp:154:24 / logSelectionList.cpp:72:94 : runtime error: applying non-zero offset 1 to null pointer	PSU
JDK-8346887	8, 11, 24	DrawFocusRect() may cause an assertion failure	PSU
JDK-8346888	21, 24	[ubsan] block.cpp:1617:30: runtime error: 9.97582e+36 is outside the range of representable values of type 'int'	PSU
JDK-8346972	24	Test java/nio/channels/FileChannel/LoopingTruncate.java fails sometimes with IOException: There is not enough space on the disk	PSU
JDK-8347000	17, 21, 24	Bug in com/sun/net/httpserver/bugs/B6361557.java test	PSU
JDK-8347018	24	C2: Insertion of Assertion Predicates ignores the effects of PhaseldealLoop::clone_up_backedge_goo()	PSU
JDK-8347019	17, 21	Test javax/swing/JRadioButton/8033699/bug8033699.java still fails: Focus is not on Radio Button Single as Expected	PSU
JDK-8347038	24	[JMH] jdk.incubator.vector.SpiltReplicate fails NoClassDefFoundError	PSU
JDK-8347083	17, 21	Incomplete logging in nsk/jvmti/ResourceExhausted/resexhausted00* tests	PSU
JDK-8347124	24	Clean tests with --enable-linkable-runtime	PSU

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JDK-8347126	17, 21, 24	gc/stress/TestStressG1Uncommit.java gets OOM-killed	PSU
JDK-8347129	24	cpuset cgroups controller is required for no good reason	PSU
JDK-8347171	24	(dc) java/nio/channels/DatagramChannel/InterruptibleOrNot.java fails with virtual thread factory	PSU
JDK-8347173	21, 24	java/net/DatagramSocket/InterruptibleDatagramSocket.java fails with virtual thread factory	PSU
JDK-8347256	24	Epsilon: Demote heap size and AlwaysPreTouch warnings to info level	PSU
JDK-8347267	17, 24	[macOS]: UnixOperatingSystem.c:67:40: runtime error: division by zero	PSU
JDK-8347268	24	[ubsan] logOutput.cpp:357:21: runtime error: applying non-zero offset 1 to null pointer	PSU
JDK-8347286	17, 21, 24	(fs) Remove some extensions from java/nio/file/Files/probeContentType/Basic.java	PSU
JDK-8347296	21, 24	WinInstallerUiTest fails in local test runs if the path to test work directory is longer than regular	PSU
JDK-8347298	24	Bug in JPackageCommand.ignoreFakeRuntime()	PSU
JDK-8347299	24	Add annotations to test cases in LicenseTest	PSU
JDK-8347300	24	Don't exclude the "PATH" var from the environment when running app launchers in jpackage tests	PSU
JDK-8347302	24	Mark test tools/jimage/JImageToolTest.java as flagless	PSU
JDK-8347334	24	JimageDiffGenerator code clean-ups	PSU
JDK-8347373	21, 24	HTTP/2 flow control checks may count unprocessed data twice	PSU

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JDK-8347377	24	Add validation checks for ICC_Profile header fields	PSU
JDK-8347424	24	Fix and rewrite sun/security/x509/DNSName/LeadingPeriod.java test	PSU
JDK-8347427	24	JTabbedPane/8134116/Bug8134116.java has no license header	PSU
JDK-8347496	24	Test jdk/jfr/jvm/TestModularImage.java fails after JDK-8347124: No javac	PSU
JDK-8347506	21, 24	Compatible OCSP readtimeout property with OCSP timeout	PSU
JDK-8347564	24	ZGC: Crash in DependencyContext::clean_unloading_dependents	PSU
JDK-8347576	17, 24	Error output in libjsound has non matching format strings	PSU
JDK-8347596	21	Update HSS/LMS public key encoding	PSU
JDK-8347629	11, 17, 21, 24	Test FailOverDirectExecutionControlTest.java fails with -Xcomp	PSU
JDK-8347718	24	Unexpected NullPointerException in C2 compiled code due to ReduceAllocationMerges	PSU
JDK-8347740	24	java/io/File/createTempFile/SpecialTempFile.java failing	PSU
JDK-8347911	17, 24	Limit the length of inflated text chunks	PSU
JDK-8347965	8, 11, 17, 21, 24	(tz) Update Timezone Data to 2025a	PSU
JDK-8347995	17, 21, 24	Race condition in jdk/java/net/httpclient/offline/FixedResponseHttpClient.java	PSU
JDK-8347997	24	assert(false) failed: EA: missing memory path	PSU

OpenJDK Patch ID	Azul Zulu Version	Synopsis	CPU/PSU
JDK-8348102	24	java/net/httpclient/HttpClientSNITest.java fails intermittently	PSU
JDK-8348107	17, 21	test/jdk/java/net/httpclient/HttpsTunnelAuthTest.java fails intermittently	PSU
JDK-8348110	11, 17, 21, 24	Update LCMS to 2.17	PSU
JDK-8348261	24	assert(nöis_Mem()) failed: memory node required	PSU
JDK-8348299	17, 21, 24	Update List/ItemEventTest/ItemEventTest.java	PSU
JDK-8348323	21, 24	Corrupted timezone string in JVM crash log	PSU
JDK-8348562	24	ZGC: segmentation fault due to missing node type check in barrier elision analysis	PSU
JDK-8348596	11, 17, 21, 24	Update FreeType to 2.13.3	PSU
JDK-8348597	17, 21, 24	Update HarfBuzz to 10.4.0	PSU
JDK-8348598	11, 17, 21, 24	Update Libpng to 1.6.47	PSU
JDK-8348600	17, 21, 24	Update PipeWire to 1.3.81	PSU
JDK-8348675	24	TrayIcon tests fail in Ubuntu 24.10 Wayland	PSU
JDK-8348865	17, 21	JButton/bug4796987.java never runs because Windows XP is unavailable	PSU
JDK-8348936	17, 21, 24	[Accessibility,macOS,VoiceOver] VoiceOver doesn't announce untick on toggling the checkbox with "space" key on macOS	PSU
JDK-8349002	24	GenShen: Deadlock during shutdown	PSU
JDK-8349039	17, 24	Adjust exception No type named <ThreadType> in database	PSU
JDK-8349058	24	'internal proprietary API' warnings make javac warnings unusable	PSU
JDK-8349084	24	Update vectors used in several PQC benchmarks	PSU

OpenJDK Patch ID	Azul Zulu Version	Synopsis	CPU/PSU
JDK-8349183	24	[BACKOUT] Optimization for StringBuilder append boolean & null	PSU
JDK-8349200	17, 21, 24	[JMH] time.format.ZonedDateTimeFormatterBenchmark fails	PSU
JDK-8349213	24	G1: Clearing bitmaps during collection set merging not claimed by region	PSU
JDK-8349239	24	[BACKOUT] Reuse StringLatin1::putCharsAt and StringUTF16::putCharsAt	PSU
JDK-8349348	17, 21, 24	Refactor ClassLoaderDeadlock.sh and Deadlock.sh to run fully in java	PSU
JDK-8349358	21, 24	[JMH] Cannot access class jdk.internal.vm.ContinuationScope	PSU
JDK-8349365	17, 21	[CRaC] Handle javaagent adding jars to bootstrap/system classpath	PSU
JDK-8349378	24	Build splashscreen lib with SIZE optimization	PSU
JDK-8349492	17, 21, 24	Update sun/security/pkcs12/KeytoolOpensslInteropTest.java to use a recent Openssl version	PSU
JDK-8349501	17, 21, 24	Relocate supporting classes in security/testlibrary to test/lib/jdk tree	PSU
JDK-8349560	17, 21	[CRaC] Close EPoll FDs when FD policies close registered sockets	PSU
JDK-8349623	21, 24	[ASAN] Gtest os_linux.glibc_mallinfo_wrapper_vm fails	PSU
JDK-8349637	21, 24	Integer.numberOfLeadingZeros outputs incorrectly in certain cases	PSU
JDK-8349751	17, 21, 24	AIX build failure after upgrade pipewire to 1.3.81	PSU

OpenJDK Patch ID	Azul Zulu Version	Synopsis	CPU/PSU
JDK-8349753	24	Incorrect use of CodeBlob::is_buffer_blob() in few places	PSU
JDK-8349787	24	java/lang/Thread/virtual/ThreadPollOnYield.java# default passes unexpectedly without libVThreadPinner.so	PSU
JDK-8349819	17, 21	[CRaC] Support FD policy reopen on listening socket	PSU
JDK-8349943	24	[JMH] Use jvmArgs consistently	PSU
JDK-8349974	17	[JMH,17u] MaskQueryOperationsBenchmark fails java.lang.NoClassDefFoundError	PSU
JDK-8350088	17, 21	[CRaC] Stop & restart JFR recording on checkpoint	PSU
JDK-8350103	24	Test containers/systemd/SystemdMemoryAwarenessTest.java fails on Linux ppc64le SLES15 SP6	PSU
JDK-8350201	21, 24	Out of bounds access on Linux aarch64 in os::print_register_info	PSU
JDK-8350211	17, 21, 24	CTW: Attempt to preload all classes in constant pool	PSU
JDK-8350224	17, 21	Test javax/swing/JComboBox/TestComboBoxComponentRendering.java fails in ubuntu 23.x and later	PSU
JDK-8350260	17, 21, 24	Improve HTML instruction formatting in PassFailJFrame	PSU
JDK-8350313	21, 24	Include timings for leaving safepoint in safepoint logging	PSU
JDK-8350383	17, 21	Test: add more test case for string compare (UL case)	PSU
JDK-8350386	17, 21, 24	Test TestCodeCacheFull.java fails with option -XX: -UseCodeCacheFlushing	PSU

OpenJDK Patch ID	Azul Zulu Version	Synopsis	CPU/PSU
JDK-8350412	17, 21	[21u] AArch64: Ambiguous frame layout leads to incorrect traces in JFR	PSU
JDK-8350483	21, 24	AArch64: turn on signum intrinsics by default on Ampere CPUs	PSU
JDK-8350499	24	Minimal build fails with slowdebug builds	PSU
JDK-8350540	17	[17u,11u] B8312065.java fails Network is unreachable	PSU
JDK-8350546	17, 21, 24	Several java/net/InetAddress tests fails UnknownHostException	PSU
JDK-8350569	17, 21	[CRaC] Log level of 'crac' cannot be changed on checkpoint	PSU
JDK-8350616	17, 21	Skip ValidateHazardPtrsClosure in non-debug builds	PSU
JDK-8350682	21, 24	[JMH] vector.IndexInRangeBenchmark failed with IndexOutOfBoundsException for size=1024	PSU
JDK-8350683	24	Non-C2 / minimal JVM crashes in the build on ppc64 platforms	PSU
JDK-8350786	21, 24	Some java/lang/jtreg tests miss requires vm.hasJFR	PSU
JDK-8350820	24	OperatingSystemMXBean CpuLoad() methods return -1.0 on Windows	PSU
JDK-8350845	17, 21, 24	[CRaC] Support C/R engines in form of a library	PSU
JDK-8350924	17, 21, 24	javax/swing/JMenu/4213634/bug4213634.java fails	PSU
JDK-8351033	24	RISC-V: TestFloat16ScalarOperations asserts with offset (4210) is too large to be patched in one beq/bge/bgeu/blt/bltu/bne instruction!	PSU

OpenJDK Patch ID	Azul Zulu Version	Synopsis	CPU/PSU
JDK-8351086	17, 21	(fc) Make java/nio/channels/FileChannel/BlockDeviceSize.java test manual	PSU
JDK-8351223	24	Update localized resources in keytool and jarsigner	PSU
JDK-8351233	24	[ASAN] avx2-emu-funcs.hpp:151:20: error: 'D.82188' is used uninitialized	PSU
JDK-8351277	24	Remove pipewire from AIX build	PSU
JDK-8351382	24	New test containers/docker/TestMemoryWithSubgroups.java is failing	PSU
JDK-8351439	8	[8u] test/java/util/TimeZone/tools/share/Makefile use wrong path to tzdb	PSU
JDK-8351500	21, 24	G1: NUMA migrations cause crashes in region allocation	PSU
JDK-8351639	24	Improve debuggability of test/langtools/jdk/jshell/JdiHangingListenExecutionControlTest.java test	PSU
JDK-8351665	21, 24	Remove unused UseNUMA in os_aix.cpp	PSU
JDK-8351695	17, 21, 24	[CRaC] Cannot restore immediately without default restore data	PSU
JDK-8351701	17, 21, 24	[CRaC] CRaCEngineOptions=help cannot be used with CRaCRestoreFrom	PSU
JDK-8351923	17, 21, 24	[CRaC] Engine help message may be truncated	PSU
JDK-8351933	21, 24	Inaccurate masking of TC subfield decrement in ForkJoinPool	PSU
JDK-8352076	17, 21	[21u] Problem list tests that fail in 21 and would be fixed by 8309622	PSU
JDK-8352097	8, 11, 17, 21	(tz) zone.tab update missed in 2025a backport	PSU

OpenJDK Patch ID	Azul Zulu Version	Synopsis	CPU/PSU
JDK-8352109	17, 21, 24	java/awt/Desktop/MailTest.java fails in platforms where Action.MAIL is not supported	PSU
JDK-8352302	11, 17, 21, 24	Test sun/security/tools/jarsigner/TimestampCheck.java is failing	PSU
JDK-8352408	17, 21, 24	[CRaC] Minor CRE API improvements	PSU
JDK-8352410	17, 21, 24	[CRaC] Invalid description API log is incorrect	PSU
JDK-8352412	17, 21, 24	[CRaC] Direct mapping default changed	PSU
JDK-8352413	17, 21, 24	[CRaC] crexec fails to pass some options when CRAC_CRIU_OPTS is already used	PSU
JDK-8352508	24	[Redo] G1: Pinned regions with pinned objects only reachable by native code crash VM	PSU
JDK-8352512	21, 24	TestVectorZeroCount: counter not reset between iterations	PSU
JDK-8352649	17	[17u] guarantee(is_result_safe is_in_asgct()) failed inside AsyncGetCallTrace	PSU
JDK-8352676	17, 21	Opensource JMenu tests - series1	PSU
JDK-8352680	17, 21	Opensource few misc swing tests	PSU
JDK-8352684	17, 21	Opensource JInternalFrame tests - series1	PSU
JDK-8352706	17, 21, 24	httpClient HeadTest does not run on HTTP2	PSU
JDK-8352908	17, 21	Open source several swing tests batch1	PSU
JDK-8352942	17, 21	jdk/jfr/startupargs/TestMemoryOptions.java fails with 32-bit build	PSU
JDK-8352946	24	SEGV_BND signal code of SIGSEGV missing from our signal-code table	PSU
JDK-8353053	24	(fs) Add support for UserDefinedFileAttributeView on AIX	PSU

OpenJDK Patch ID	Azul Zulu Version	Synopsis	CPU/PSU
JDK-8353064	24	[CRaC] ProblemList jdk/crac/LinkedCleanableRefTest	PSU
JDK-8353070	17, 21	Clean up and open source couple AWT Graphics related tests (Part 1)	PSU
JDK-8353138	17, 21	Screen capture for test TaskbarPositionTest.java, failure case	PSU
JDK-8353185	24	Introduce the concept of upgradeable files in context of JEP 493	PSU
JDK-8353190	21	Use "/native" Run Option for TestAvailableProcessors Execution	PSU
JDK-8353237	21	[AArch64] Incorrect result of VectorizedHashCode intrinsic on Cortex-A53	PSU
JDK-8353241	17, 21, 24	[CRaC] Support ZGC	PSU
JDK-8353243	17, 21, 24	[CRaC] Show all options in engine help	PSU
JDK-8353274	24	[PPC64] Bug related to -XX:+UseCompactObjectHeaders -XX: -UseSIGTRAP in JDK-8305895	PSU
JDK-8353320	17, 21	Open source more Swing text tests	PSU
JDK-8353329	24	Small memory leak when create GrowableArray with initial size 0	PSU
JDK-8353446	17, 21	Open source several AWT Menu tests - Batch 2	PSU
JDK-8353475	17, 21	Open source two Swing DefaultCaret tests	PSU
JDK-8353685	17, 21	Open some JComboBox bugs 4	PSU
JDK-8353714	17	[17u] Backport of 8347740 incomplete	PSU
JDK-8353787	21, 24	Increased number of SHA-384-Digest java.util.jar.Attributes\$Name instances leading to higher memory footprint	PSU

OpenJDK Patch ID	Azul Zulu Version	Synopsis	CPU/PSU
JDK-8353942	17, 21	Open source Swing Tests - Set 5	PSU
JDK-8353946	24	Incorrect WINDOWS ifdef in os::build_agent_function_name	PSU
JDK-8354255	21	[jittestster] Remove TempDir debug output	PSU
JDK-8354432	17, 21, 24	[CRaC] Timed waiting finishes early w.r.t. wall clock time	PSU
JDK-8354514	17, 21, 24	[CRaC] Remove new methods from AbstractInterruptibleChannel and SocketImpl	PSU
JDK-8354530	21	AIX: sporadic unexpected errno when calling setsockopt in Net.joinOrDrop	PSU
JDK-8354554	17, 21	Open source several clipboard tests batch1	PSU
JDK-8354802	21	MAX_SECS definition is unused in os_linux	PSU
JDK-8354893	21	[REDO BACKPORT] javac crashes while adding type annotations to the return type of a constructor (JDK-8320001)	PSU
JDK-8355498	21	[AIX] Adapt code for C++ VLA rule	PSU
JDK-8355524	24	Only every second line in upgradeable files is being used	PSU
JDK-8355914	17	[17u] Backout backport of JDK-8320687	PSU
JDK-8355974	17, 21, 24	[CRaC] Move CPUFeatures verification to the parent process of JVM	PSU
JDK-8356053	17, 21	Test java/awt/Toolkit/Headless/HeadlessToolkit.java fails by timeout	PSU
JDK-8356571	11, 17, 21	Re-enable -Wtype-limits for GCC in LCMS	PSU
JDK-8357105	17, 21	C2: compilation fails with "assert(false) failed: empty program detected during loop optimization"	PSU

OpenJDK Patch ID	Azul Zulu Version	Synopsis	CPU/PSU
JDK-8357193	17, 21	[VS 2022 17.14] Warning C5287 in debugInit.c: enum type mismatch during build	PSU
JDK-8357977	17, 21, 24	[CRaC] Unused imports in CRaC's classes	PSU
JDK-8357984	17, 21, 24	[CRaC] Improve new properties installation code	PSU
JDK-8358063	24	[CRaC] Excessive PosixAttachListener-related availability and references	PSU
JDK-8358161	17, 21, 24	[CRaC] Make VM-controlled options engine-dependent	PSU
JDK-8358956	24	[CRaC] Fix NULL usage in hotspot	PSU
JDK-8360406	21	[21u] Disable logic for attaching type annotations to class files until 8359336 is fixed	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-8352162	8, 11, 17, 21, 24	Update libxml2 to 2.13.8	CPU,PSU
JDK-8352164	8, 11, 17, 21, 24	Update libxslt to 1.1.43	CPU,PSU
JDK-8354876	8, 11, 17, 21	Update SQLite to 3.49.1	CPU,PSU
JDK-8313648	11	JavaFX application continues to show a black screen after graphic card driver crash	PSU
JDK-8318985	24	[macos] Incorrect 3D lighting on macOS 14 and later	PSU
JDK-8323880	11	Caret rendered at wrong position in case of a click event on RTL text	PSU

OpenJDK Patch ID	Azul Zulu Version	Synopsis	CPU/PSU
JDK-8349256	21	Update PipeWire to 1.3.81	PSU
JDK-8350284	24	WebKit 620.1 crashes on startup on Windows x86 32-bit	PSU
JDK-8353916	24	Unexpected event type for DOM mutation events with WebKit 620.1	PSU
JDK-8354182	24	Create release notes for JavaFX 24.0.1	PSU
JDK-8354318	24	freetype.c: compilation error: 'incompatible pointer type' with gcc 14	PSU
JDK-8354336	24	gstclock.c: compilation error: 'incompatible pointer type' with gcc 14	PSU
JDK-8354337	24	GHA: Windows build fails with chmod permission error	PSU
JDK-8354940	8, 11, 17, 21, 24	Fail to sign in to Microsoft sites with WebView	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-74087	6, 7, 8	Update external FreeType to 2.13.3	CPU,PSU
ZULU-77288	11, 17, 21	4 java/net/httpclient/ tests fail on all platforms in CPU intermediate build Zulu 21.43.12	CPU,PSU
ZULU-77289	21	Bump update version for OpenJDK: jdk-21.0.7.0.101	CPU,PSU
ZULU-77537	7, 8, 11	Improve glyph images processing	CPU,PSU
ZULU-5106	17	armv7: Add intrinsic for GHASH algorithm	PSU
ZULU-60764	17, 21, 24	Warp support for memfd	PSU

Issue ID	Azul Zulu Version	Synopsis	CPU/PSU
ZULU-73942	24	[CRaC] AOT class linking cannot archive jdk.internal.crac.Core\$Priority	PSU
ZULU-74306	11	Update JFX to zulu19.0.11+100	PSU
ZULU-74307	17	Update JFX to zulu22.0.5+100	PSU
ZULU-74308	21	Update JFX to zulu23.0.3+100	PSU
ZULU-74309	8	Update JFX to zulu8u452-b01	PSU
ZULU-74656	8	linux-aarch32 slowdebug build crash	PSU
ZULU-75065	17, 21, 24	warp isv samples failed on some platforms against 24.30+14, 21.42+20 and 17.58+24	PSU
ZULU-76388	17, 21	[CRaC] 4 jdk/jfr tests fail on all platforms in Zulu 17.60+11-jdk-64-ca-crac-warp_ca build	PSU
ZULU-76822	8	Move PRODUCT_LINE from .branding to .dependencies	PSU
ZULU-77053	8	OJ-reg-io-nio Time64 java/nio/file/Files/FileAttributes Assertion Failed	PSU
ZULU-77054	8	OJ-reg-io-nio Time64 java/nio/file/attribute/BasicFileAttributeView/Basi c.java last-modified time should be equal	PSU
ZULU-77066	8	Wrong futimesat function is used on time64 builds.	PSU
ZULU-77340	17, 21, 24	[CRaC] Several S3 releated test failure after 8355974 backport	PSU
ZULU-77901	21	Update JFX to zulu23.0.4+101	PSU
ZULU-77904	11	Update JFX to zulu19.0.12+100	PSU
ZULU-77906	17	Update JFX to zulu22.0.6+100	PSU
ZULU-77938	8	Update JFX to zulu8u462-b01	PSU

Issue ID	Azul Zulu Version	Synopsis	CPU/PSU
ZULU-78134	8, 11	Incorrect OpenJDK build number in 11/8 PSU RC builds	PSU
ZULU-78336	24	Incorrect OpenJDK build number in 24 RC builds	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-76548	8, 11, 17, 21, 24	Add SQLite license	CPU,PSU

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