



## Azul Zulu builds of OpenJDK

April 2026 Quarterly Update

Release Notes

Revision 1.3

# Table of Contents

<b>Revision History</b> .....	<b>1</b>
<b>Release Details</b> .....	<b>1</b>
<b>What's New</b> .....	<b>4</b>
Zulu Docker Official Images .....	4
New Zulu Distributions .....	4
JavaFX for 64bit ARM-based Windows 11 for Java 21.....	5
Zulu for Fedora 43.....	5
Changes in Coordinated Restore at Checkpoint (CRaC) .....	5
Warp as the Default Engine .....	5
Better Support for JVM Detection on macOS.....	5
IANA Time Zone Data Version .....	6
<b>Supported Platforms</b> .....	<b>7</b>
Azul Zulu Builds of OpenJDK Without and With OpenJFX .....	7
Azul Zulu Builds of OpenJDK With CRaC.....	11
<b>Known Issues</b> .....	<b>12</b>
Property Permission Denied When Using AWT with Security Manager.....	12
<b>Fixed Issues</b> .....	<b>14</b>
Fixed Common Vulnerabilities and Exposures .....	14
Non-CVE Security Fixes .....	16
OpenJDK Fixes and Enhancements .....	16
OpenJFX Fixes and Enhancements .....	50
Fixes and Enhancements Specific to Azul Zulu Builds of OpenJDK .....	52
Fixes and Enhancements Specific to Azul Zulu Builds of OpenJDK With JavaFX ...	55
<b>Legal Notice</b> .....	<b>56</b>

## Revision History

Revision	Date	Description
0.1	April 21, 2026	Initial version of the document.
1.0	April 21, 2026	Added CVE information.
1.1	April 21, 2026	Completed info in the CVE table column "Modules Changed to Address CVE".
1.2	April 27, 2026	Added instructions for JVM detection on macOS.
1.3	May 4, 2026	Correct version numbers for Zulu 8 PSU.

## Release Details

This release is the April 2026 quarterly update release for Azul Zulu Builds of OpenJDK version 26, 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	
26.30.11 (CA) 26.30.12 (SA)	PSU	26.0.1+8	26.28	26.0.0+35	26.0.1+101
25.33.16 (SA)	CPU	25.0.2.0.101+1	25.32	25.0.2+10	25.0.2.0.101+101
25.34.17 (CA) 25.34.18 (SA)	PSU	25.0.3+9	25.33	25.0.2.0.101+1	25.0.3+101
21.49.18 (SA)	CPU	21.0.10.0.101+1	21.48	21.0.10+7	23.0.6.0.101+102
21.50.19 (CA) 21.50.20 (SA)	PSU	21.0.11+10	21.49	21.0.10.0.101+1	23.0.7+102
17.65.18 (SA)	CPU	17.0.18.0.101+1	17.64	17.0.18+8	22.0.8.0.101+103
17.66.19 (CA) 17.66.20 (SA)	PSU	17.0.19+10	17.65	17.0.18.0.101+1	22.0.9+102

11.87.18 (SA)	CPU	11.0.30.0.101+1	11.86	11.0.30+7	19.0.14.0.101+10 2
11.88.17 (CA) 11.88.18 (SA)	PSU	11.0.31+11	11.87	11.0.30.0.101+1	19.0.15+101
8.93.0.18 (SA)	CPU	8u491-b01	8.92	8u482-b08	8u491-b04
8.94.0.17 (CA) 8.94.0.18 (SA)	PSU	8u492-b09	8.93	8u491-b01	8u492-b02
7.85.0.12 (SA)	CPU	7u501-b01	7.83	7u491-b01	N/A
6.79.0.14 (SA)	CPU	6b179	6.77	6b177	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

## Zulu Docker Official Images

After more than two years of collaboration, reviews, and iterations with the Docker team, Azul Zulu OpenJDK has officially joined the [Docker's Official Images](#) program. This is more than a badge of honor. It changes how Java developers can pull and trust their container base images. The community has provided a lot of constructive feedback to make these images easier to use and maintain, for example:

- Fewer variations with clear functional advantages.
- Better alignment with the upstream-preferred base.
- Deprecation of end-of-life configurations.
- Deprecation of the distroless images.

The images are available on Docker Hub under the `azul-zulu` name. You can pull them directly, for instance, with the following commands:

```
docker pull azul-zulu:21
docker pull azul-zulu:21-jre
docker pull azul-zulu:25
```

Retirement of the images on `azul/zulu-openjdk` on Docker Hub is planned by the end of 2026. Please plan your migration to the new Docker Official images. If you need a variant that is not yet available, open an issue at [AzulSystems/azul-zulu-images](#) to request it.

More information is available in the Azul announcement, [Trusted Java Containers: Azul Zulu OpenJDK Joins Docker's Official Images](#), and in our installation instructions for [Running Azul Zulu CA in a Docker Container](#). All the available tags are listed on `docker-official-tags`.

## New Zulu Distributions

---

## JavaFX for 64bit ARM-based Windows 11 for Java 21

As more 64-bit ARM-based laptops become available, the demand for JavaFX on this platform is increasing. With this release, we add support for JavaFX on 64-bit ARM-based Windows 11 for Java 21.

The Azul Zulu Builds with JavaFX functionality for the Windows ARM platform are available for Azul Core customers.

## Zulu for Fedora 43

With this release, we add support in Azul Zulu Builds for Fedora 43.

## Changes in Coordinated Restore at Checkpoint (CRaC)

[Coordinated Restore at Checkpoint \(CRaC\)](#) is an OpenJDK 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.

## Warp as the Default Engine

Azul Zulu comes with two [CRaC engines](#): `warp` and `criu`. The `warp` engine is now the default engine for all supported platforms. It provides better performance and reliability than the `criu` engine, and it is the recommended engine for most use cases.

## Better Support for JVM Detection on macOS

Azul changed 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 removed. This helps macOS systems to detect installed Zulu versions.

If your application references a hardcoded path like `<bundle>/` or `<bundle>/zulu-$VER.jdk/Contents/Home`, update it to point directly to `<bundle>/Contents/Home`.

DMG installations for macOS are not affected.

For more information, check [Manage Multiple Azul Zulu Versions on macOS](#).

## IANA Time Zone Data Version



This release of Azul Zulu comes with IANA Time Zone Database version **2026a**.

## 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	26
Windows (x86 32/64-bit)								
Windows Server 2025								
Windows Server 2022								
Windows Server 2019								
Windows Server 2016								
Windows 11								
Windows (ARM 64-bit)								

Windows 11	n/a	n/a	n/a	n/a	✓	✓	✓	✓
Linux (x86 32/64-bit)								
RHEL 10.x [2]	✓	✓	✓✓	✓✓	✓✓	✓✓ [1]	✓✓ [1]	✓✓ [1]
RHEL 9.x	✓	✓	✓✓	✓✓	✓✓	✓✓ [1]	✓✓ [1]	✓✓ [1]
RHEL 8.x	✓	✓	✓✓	✓✓	✓✓	✓✓ [1]	✓✓ [1]	✓✓ [1]
RHEL 7.x	n/a	n/a	✓	✓	✓	n/a	n/a	n/a
Fedora 43	✓	✓	✓✓	✓✓	✓✓	✓✓ [1]	✓✓ [1]	✓✓ [1]
SLES 15	✓	✓	✓✓	✓✓	✓✓	✓✓ [1]	✓✓ [1]	✓✓ [1]
SLES 12	✓	✓	✓✓	✓✓	✓✓	✓✓ [1]	✓✓ [1]	✓✓ [1]
CentOS Stream	✓	✓	✓✓	✓✓	✓✓	✓✓ [1]	✓✓ [1]	✓✓ [1]
Ubuntu 24.04	✓	✓	✓✓	✓✓	✓✓	✓✓ [1]	✓✓ [1]	✓✓ [1]
Ubuntu 22.04	✓	✓	✓✓	✓✓	✓✓	✓✓ [1]	✓✓ [1]	✓✓ [1]
Ubuntu 20.04	✓	✓	✓✓	✓✓	✓✓	✓✓ [1]	✓✓ [1]	✓✓ [1]
Ubuntu 18.04	✓	✓	✓✓	✓✓	✓✓	✓✓ [1]	✓✓ [1]	✓✓ [1]
Debian 13	✓	✓	✓✓	✓✓	✓✓	✓✓ [1]	✓✓ [1]	✓✓ [1]
Debian 12	✓	✓	✓✓	✓✓	✓✓	✓✓ [1]	✓✓ [1]	✓✓ [1]

Debian 11									[1]	[1]	[1]
Wind River 8.x	n/a			n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
CoreOS	n/a					n/a	n/a	n/a	n/a	n/a	n/a
Alpine Linux 3.11 or later [3]	n/a	n/a							[1] [3]	[1] [3]	[1] [3]
Wolfi Linux	n/a	n/a	n/a	n/a	n/a						[1]
Amazon Linux 2023	n/a	n/a							[1]	[1]	[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]	[3]	[3]
Wolfi Linux	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	n/a	n/a	n/a	n/a
Linux (ARM 32-bit Hard-Float)											
Ubuntu 18.04 [6]	n/a	n/a							[7]	[7]	n/a

Raspberry Pi OS 10 (Buster) [6]	n/a	n/a	✓	✓	✓ [8]	✓ [8] [7]	✓ [8] [7]	n/a
Raspberry Pi OS 9 (Stretch) [6]	n/a	n/a	✓	✓	n/a	✓ [8] [7]	✓ [8] [7]	n/a
Linux with kernel 3.10.x and glibc 2.9 [6] [9]	n/a	n/a	✓	✓	n/a	✓ [7]	✓ [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	n/a
Debian 7 Wheezy [12]	n/a	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	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	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	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	n/a
QNX								
QNX 7.0 ARMv7 32-bit Hard-Float ABI	n/a	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	n/a
macOS (x86 64-bit)								
macOS 14+	n/a	✓	✓✓	✓✓	✓✓	✓✓	✓✓	✓✓
macOS (Apple Silicon)								

macOS 14+	n/a	n/a						
Solaris (x86 and Sparc)								
Solaris 11	n/a				n/a	n/a	n/a	n/a
Solaris 10	n/a			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 Versions	
	17, 21, 25, 26	
	x86 64-bit	ARM 64-bit
Linux		
Alpine Linux 3.16		
Windows		n/a
macOS		

## Known Issues

### Property Permission Denied When Using AWT with Security Manager

If you use AWT with Azul Zulu together with the Security Manager, your application may fail to start with an error like this:

```
java.security.AccessControlException: access denied ("java.util.PropertyPermission"
"jdk.awt.Desktop.bypassBrowserForURI" "read")
```

If you encounter this problem with your application, you can use the following workaround to allow the application to start:

1. Create a Java policy file with the following content:

```
grant {
    permission java.util.PropertyPermission
```

```
"jdk.awt.Desktop.bypassBrowserForURI", "read";  
};
```

## 2. Start your application with:

```
java -Djava.security.policy=/path/to/my.policy ...
```

## 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
<a href="#">CVE-2026-20652</a>	JavaFX (WebKitGTK)	Multiple	Yes	7.5	Network	Low	None	None	Unchanged	None	None	High	26, 25, 21, 17, 11, 8	Note 1, Note 3
<a href="#">CVE-2026-22016</a>	JAXP	Multiple	Yes	7.5	Network	Low	None	None	Unchanged	High	None	None	26, 25, 21, 17, 11, 8, 7, 6	Note 2
<a href="#">CVE-2026-34282</a>	Networking	Multiple	Yes	7.5	Network	Low	None	None	Unchanged	None	None	High	26, 25, 21, 17, 11	Note 2
<a href="#">CVE-2026-22013</a>	JGSS	Multiple	Yes	5.3	Network	High	None	Required	Unchanged	High	None	None	26, 25, 21, 17, 11, 8, 7, 6	Note 1
<a href="#">CVE-2026-22021</a>	JSSE	HTTPS	Yes	5.3	Network	Low	None	None	Unchanged	None	None	Low	26, 25, 21, 17, 11, 8, 7, 6	Note 2
<a href="#">CVE-2026-23865</a>	2D (FreeType)	None	No	5.3	Local	Low	None	Required	Unchanged	Low	Low	Low	26, 25, 21, 17, 11, 8, 7, 6	Note 2
<a href="#">CVE-2026-22008</a>	Libraries	Multiple	Yes	3.7	Network	High	None	None	Unchanged	None	Low	None	26, 25	Note 1
<a href="#">CVE-2026-22018</a>	Libraries	Multiple	Yes	3.7	Network	High	None	None	Unchanged	None	None	Low	26, 25, 21, 17, 11, 8, 7	Note 2
<a href="#">CVE-2026-22007</a>	Security	None	No	2.9	Local	High	None	None	Unchanged	Low	None	None	26, 25, 21, 17, 11, 8, 7, 6	Note 2
<a href="#">CVE-2026-34268</a>	Security	None	No	2.9	Local	High	None	None	Unchanged	Low	None	None	26, 25, 21, 17, 11, 8, 7, 6	Note 2

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
<a href="#">CVE-2026-22003</a>	Hotspot	None	No	6.0	Local	High	Low	Required	Unchanged	None	High	High	None	Note 1

## 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.
3	The patch for CVE-2026-20652 also addresses CVE-2025-43457, CVE-2026-20608, CVE-2026-20635, CVE-2026-20636, CVE-2026-20644, and CVE-2026-20676.

## 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
<a href="#">JDK-8348014</a>	8,11,17,21,25,26	Enhance certificate processing	PSU
<a href="#">JDK-8350692</a>	21	Enhance Reference handling	PSU
<a href="#">JDK-8364373</a>	6,7,8,11,17,21,25,26	Transform Affine transformations	CPU,PSU
<a href="#">JDK-8364465</a>	8,11,17,21,25,26	Enhance behavior of some intrinsics	CPU,PSU
<a href="#">JDK-8370995</a>	8,11,17,21,25,26	Enhance ZipFile usage	PSU
<a href="#">JDK-8375210</a>	6,7,8,11,17,21,25,26	Update libPNG	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
<a href="#">JDK-8011653</a>	6	Upgrade to JAXP 1.5	CPU,PSU
<a href="#">JDK-8014891</a>	6	Redundant setting of external access properties in setFeatures	CPU,PSU
<a href="#">JDK-8015016</a>	6	Improve JAXP 1.5 error message	CPU,PSU
<a href="#">JDK-8016153</a>	6	Property <a href="http://javax.xml.XMLConstants/property/accessExternalDTD">http://javax.xml.XMLConstants/property/accessExternalDTD</a> is not recognized	CPU,PSU
<a href="#">JDK-8016648</a>	6	FEATURE_SECURE_PROCESSING set to true or false causes SAXParseException to be thrown	CPU,PSU
<a href="#">JDK-8021148</a>	6	Regression in SAXParserImpl in 7u40 b34 (NPE)	CPU,PSU

OpenJDK Patch ID	Azul Zulu Version	Synopsis	CPU/PSU
<a href="#">JDK-8022548</a>	6	SPECJVM2008 has errors introduced in 7u40-b34	CPU,PSU
<a href="#">JDK-8231449</a>	11	HttpClient?s client ssl certificate authentication seems to be broken.	CPU,PSU
<a href="#">JDK-8308144</a>	11	Uncontrolled memory consumption in SSLFlowDelegate.Reader	CPU,PSU
<a href="#">JDK-8343622</a>	6,7,8,11,17,21	AesDkCrypto.stringToKey should not return null	CPU,PSU
<a href="#">JDK-8345578</a>	6,7,8,11,17,21	New test in JDK-8343622 fails with a promoted build	CPU,PSU
<a href="#">JDK-8369282</a>	6,7,8,11,17,21, 25	Distrust TLS server certificates anchored by Chunghwa ePKI Root CA	CPU,PSU
<a href="#">JDK-8370579</a>	17,21,25	PPC: fix inswri immediate argument order	CPU,PSU
<a href="#">JDK-8373290</a>	8,11,17,21,25, 26	Update FreeType to 2.14.1	CPU,PSU
<a href="#">JDK-8373476</a>	6,7,8,11,17,21, 25,26	(tz) Update Timezone Data to 2025c	CPU,PSU
<a href="#">JDK-8379035</a>	6,7,8,11,17,21, 25,26	(tz) Update Timezone Data to 2026a	CPU,PSU
<a href="#">JDK-8379158</a>	8,11,17,21,25, 26	Update FreeType to 2.14.2	CPU,PSU
<a href="#">JDK-6899304</a>	17,21	java.awt.Toolkit.getScreenInsets(GraphicsConfiguration) returns incorrect values	PSU
<a href="#">JDK-7036144</a>	17	GZIPInputStream readTrailer uses faulty available() test for end-of-stream	PSU
<a href="#">JDK-7191877</a>	25	TEST_BUG: java/rmi/transport/checkLeaseInfoLeak/CheckLeaseLeak.java failing intermittently	PSU

OpenJDK Patch ID	Azul Zulu Version	Synopsis	CPU/PSU
<a href="#">JDK-8030957</a>	17,21,25	AIX: Implement OperatingSystemMXBean.getSystemCpuLoad() and .getProcessCpuLoad() on AIX	PSU
<a href="#">JDK-8056039</a>	8	Hotspot does not compile with clang 3.4 on Linux	PSU
<a href="#">JDK-8068378</a>	25	[TEST_BUG]The java/awt/Modal/PrintDialogsTest/PrintDialogsTest.java instruction need to update	PSU
<a href="#">JDK-8074840</a>	8	Resolve disabled warnings for libjli and libjli_static	PSU
<a href="#">JDK-8075917</a>	21	The regression-swing case failed as the text on label is not painted red with the GTK L&F	PSU
<a href="#">JDK-8114830</a>	21	(fs) Files.copy fails due to interference from something else changing the file system	PSU
<a href="#">JDK-8132786</a>	8	java/security/cert/CertPathValidator/OCSP/AIACheck.java fails intermittently	PSU
<a href="#">JDK-8153147</a>	8	Mark java/net/BindException/Test.java as intermittently failing	PSU
<a href="#">JDK-8157758</a>	8	JDK9 does not compile on Linux with GCC 6.1 because left-shifting a negative number has undefined behavior	PSU
<a href="#">JDK-8170464</a>	8	Remove shell script from compiler/c2/cr7005594/Test7005594.java	PSU
<a href="#">JDK-8174734</a>	8	Safepoint sync time did not increase	PSU
<a href="#">JDK-8183336</a>	25	Better cleanup for jdk/test/java/lang/module/customfs/ModulesInCustomFileSystem.java	PSU
<a href="#">JDK-8186149</a>	8	quarantine gc/survivorAlignment/TestPromotionFromSurvivorToTenuredAfterMinorGC.java	PSU

OpenJDK Patch ID	Azul Zulu Version	Synopsis	CPU/PSU
<a href="#">JDK-8200566</a>	17	DistributionPointFetcher fails to fetch CRLs if the DistributionPoints field contains more than one DistributionPoint and the first one fails	PSU
<a href="#">JDK-8209362</a>	11	sun/security/ssl/SSLSocketImpl/ReuseAddr.java failed due to "BindException: Address already in use (Bind failed)"	PSU
<a href="#">JDK-8212084</a>	25	G1: Implement UseGCOverheadLimit	PSU
<a href="#">JDK-8220658</a>	8	Improve the readability of container information in the error log	PSU
<a href="#">JDK-8223145</a>	8	Replace wildcard address with loopback or local host in tests - part 1	PSU
<a href="#">JDK-8224796</a>	11	C code is not compiled correctly due to undefined "i386"	PSU
<a href="#">JDK-8225487</a>	8	giflib legal file is missing attribution for openbsd-reallocarray.c.	PSU
<a href="#">JDK-8231449</a>	11	HttpClient's client ssl certificate authentication seems to be broken	PSU
<a href="#">JDK-8237834</a>	8	com/sun/jndi/ldap/LdapDnsProviderTest.java failing with LDAP response read timeout	PSU
<a href="#">JDK-8244336</a>	17,21,25	Restrict algorithms at JCE layer	PSU
<a href="#">JDK-8244400</a>	17	MenuItem may cache the size and did not update it when the screen DPI is changed	PSU
<a href="#">JDK-8246037</a>	25	Shenandoah: update man pages to mention -XX:+UseShenandoahGC	PSU
<a href="#">JDK-8251189</a>	8	com/sun/jndi/ldap/LdapDnsProviderTest.java failed due to timeout	PSU
<a href="#">JDK-8255463</a>	25	java/nio/channels/spi/SelectorProvider/InheritedChannel/InheritedChannelTest.java failed with ThreadTimeoutException	PSU

OpenJDK Patch ID	Azul Zulu Version	Synopsis	CPU/PSU
<a href="#">JDK-8256289</a>	17,21,25	java/awt/Focus/AppletInitialFocusTest/AppletInitialFocusTest1.java failed with "RuntimeException: Wrong focus owner: java.awt.Button[button1,41,36,56x23,label=Button1]"	PSU
<a href="#">JDK-8263188</a>	11	JSSE should fail fast if there isn't supported signature algorithm	PSU
<a href="#">JDK-8264524</a>	8	jdk/internal/platform/docker/TestDockerMemoryMetrics.java fails due to swapping not working	PSU
<a href="#">JDK-8271396</a>	17	Spelling errors	PSU
<a href="#">JDK-8274082</a>	25	Wrong test name in jtreg run tag for java/awt/print/PrinterJob/SwingUIText.java	PSU
<a href="#">JDK-8274893</a>	8	Update java.desktop classes to use try-with-resources	PSU
<a href="#">JDK-8275405</a>	17	Linking error for classes with lambda template parameters and virtual functions	PSU
<a href="#">JDK-8277159</a>	8	Fix java/nio/file/FileStore/Basic.java test by ignoring /run/user/* mount points	PSU
<a href="#">JDK-8282484</a>	17	G1: Predicted old time in log always zero	PSU
<a href="#">JDK-8283784</a>	17	java_lang_String::as_platform_dependent_str stores to oop in native state	PSU
<a href="#">JDK-8284047</a>	11	Harmonize/Standardize the SSLSocket/SSL Engine/SSL SocketSSL Engine test templates	PSU
<a href="#">JDK-8284758</a>	8	[linux] improve print_container_info	PSU
<a href="#">JDK-8285836</a>	8	sun/net/www/http/KeepAliveCache/KeepAliveProperty.java failed with "RuntimeException: Failed in server"	PSU

OpenJDK Patch ID	Azul Zulu Version	Synopsis	CPU/PSU
<a href="#">JDK-8286258</a>	25	[Accessibility,macOS,VoiceOver] VoiceOver reads the spinner value wrong and sometime partially	PSU
<a href="#">JDK-8286694</a>	11	Incorrect argument processing in java launcher	PSU
<a href="#">JDK-8286865</a>	25	vmTestbase/vm/mlvm/meth/stress/jni/nativeAndMH/Test.java fails with Out of space in CodeCache	PSU
<a href="#">JDK-8287011</a>	8	Improve container information	PSU
<a href="#">JDK-8287062</a>	21,25	com/sun/jndi/ldap/LdapPoolTimeoutTest.java failed due to different timeout message	PSU
<a href="#">JDK-8288556</a>	17	VM crashes if it gets sent SIGUSR2 from outside	PSU
<a href="#">JDK-8293484</a>	25	AArch64: TestUseSHA512IntrinsicsOptionOnSupportedCPU.java fails on CPU with SHA512 feature support	PSU
<a href="#">JDK-8298153</a>	21	Colored text is not shown on disabled checkbox and radio button with GTK LAF for bug4314194	PSU
<a href="#">JDK-8299304</a>	25	Test "java/awt/print/PrinterJob/PageDialogTest.java" fails on macOS 13 x64 because the Page Dialog blocks the Toolkit	PSU
<a href="#">JDK-8301379</a>	11	Verify TLS_ECDH_* cipher suites cannot be negotiated	PSU
<a href="#">JDK-8301875</a>	17,21	java.util.TimeZone.getSystemTimeZoneID uses C library default file mode	PSU
<a href="#">JDK-8303215</a>	11	Make thread stacks not use huge pages	PSU
<a href="#">JDK-8303475</a>	17	potential null pointer dereference in filemap.cpp	PSU
<a href="#">JDK-8303482</a>	8	Update LCMS to 2.15	PSU
<a href="#">JDK-8305186</a>	11	Reference.waitForReferenceProcessing should be more accessible to tests	PSU

OpenJDK Patch ID	Azul Zulu Version	Synopsis	CPU/PSU
<a href="#">JDK-8306014</a>	11	Update javax.net.ssl TLS tests to use SSLContextTemplate or SSLEngineTemplate	PSU
<a href="#">JDK-8306015</a>	11	Update sun.security.ssl TLS tests to use SSLContextTemplate or SSLEngineTemplate	PSU
<a href="#">JDK-8307495</a>	25	Specialize atomic bitset functions for aix-ppc	PSU
<a href="#">JDK-8309667</a>	17	TLS handshake fails because of ConcurrentModificationException in PKCS12KeyStore.engineGetEntry	PSU
<a href="#">JDK-8311644</a>	17	Server should not send bad_certificate alert when the client does not send any certificates	PSU
<a href="#">JDK-8312518</a>	8	[macos13] setFullScreenWindow() shows black screen on macOS 13 & above	PSU
<a href="#">JDK-8313319</a>	21	[linux] mmap should use MAP_FIXED_NOREPLACE if available	PSU
<a href="#">JDK-8313770</a>	8,11,25	jdk/internal/platform/docker/TestSystemMetrics.java fails on Ubuntu	PSU
<a href="#">JDK-8314555</a>	17,21	Build with mawk fails on Windows	PSU
<a href="#">JDK-8314810</a>	21	(fs) java/nio/file/Files/CopyInterference.java should use TestUtil::supportsLinks	PSU
<a href="#">JDK-8316274</a>	21,25	javax.swing/ButtonGroup/TestButtonGroupFocusTraversal.java fails in Ubuntu 23.10 with Motif LAF	PSU
<a href="#">JDK-8317633</a>	17,21	Modernize text.testlib.HexDumpReader	PSU
<a href="#">JDK-8317801</a>	21	java/net/Socket/asyncClose/Race.java fails intermittently (aix)	PSU
<a href="#">JDK-8317838</a>	21,25	java/nio/channels/Channels/SocketChannelStreams.java running into timeout (aix)	PSU

OpenJDK Patch ID	Azul Zulu Version	Synopsis	CPU/PSU
<a href="#">JDK-8318302</a>	21	ThreadCountLimit.java failed with "Native memory allocation (mprotect) failed to protect 16384 bytes for memory to guard stack pages"	PSU
<a href="#">JDK-8318662</a>	25	Refactor some jdk/java/net/httpclient/http2 tests to JUnit	PSU
<a href="#">JDK-8320677</a>	25	Printer tests use invalid '@run main/manual=yesno	PSU
<a href="#">JDK-8324861</a>	11	Exceptions::wrap_dynamic_exception() doesn't have ResourceMark	PSU
<a href="#">JDK-8326705</a>	17	Test CertMsgCheck.java fails to find alert certificate_required	PSU
<a href="#">JDK-8326897</a>	21	(fs) The utility TestUtil.supportsLinks is wrongly used to check for hard link support	PSU
<a href="#">JDK-8327114</a>	21	Attach in Linux may have wrong behaviour when pid == ns_pid (Kubernetes debug container)	PSU
<a href="#">JDK-8328608</a>	17,21	Multiple NewSessionTicket support for TLS	PSU
<a href="#">JDK-8328999</a>	8	Update GIFlib to 5.2.2	PSU
<a href="#">JDK-8329258</a>	17	TailCall should not use frame pointer register for jump target	PSU
<a href="#">JDK-8329337</a>	21	Problem list BufferStrategyExceptionTest.java on Windows	PSU
<a href="#">JDK-8330016</a>	17,21	Stress seed should be initialized for runtime stub compilation	PSU
<a href="#">JDK-8331431</a>	17,21	Update to use jtreg 7.4	PSU
<a href="#">JDK-8333386</a>	17,21	TestAbortOnVMOperationTimeout test fails for client VM	PSU
<a href="#">JDK-8333857</a>	21,25	Test sun/security/ssl/SSLSessionImpl/ResumeChecks Server.java failed: Existing session was used	PSU

OpenJDK Patch ID	Azul Zulu Version	Synopsis	CPU/PSU
<a href="#">JDK-8333871</a>	25	Check return values of sysinfo	PSU
<a href="#">JDK-8334670</a>	17,21	SSLSocketOutputRecord buffer miscalculation	PSU
<a href="#">JDK-8334738</a>	21	os::print_hex_dump should optionally print ASCII	PSU
<a href="#">JDK-8334928</a>	25	Test sun/security/ssl/SSLSocketImpl/ReuseAddr.java failed: java.net.BindException: Address already in use	PSU
<a href="#">JDK-8335646</a>	21,25	Nimbus : JLabel not painted with LAF defined foreground color on Ubuntu 24.04	PSU
<a href="#">JDK-8335906</a>	21	[s390x] Test Failure: GTestWrapper.java	PSU
<a href="#">JDK-8336342</a>	11	Fix known X11 library locations in sysroot	PSU
<a href="#">JDK-8336343</a>	11	Add more known sysroot library locations for ALSA	PSU
<a href="#">JDK-8336695</a>	17,21,25	Update Commons BCEL to Version 6.10.0	PSU
<a href="#">JDK-8337102</a>	11,17,21	JITTester: Fix breaks in static initialization blocks	PSU
<a href="#">JDK-8337669</a>	11	[17u] Backport of JDK-8284047 missed to delete a file	PSU
<a href="#">JDK-8337681</a>	17	PNGImageWriter uses much more memory than necessary	PSU
<a href="#">JDK-8337795</a>	17	Type annotation attached to incorrect type during class reading	PSU
<a href="#">JDK-8337998</a>	17	CompletionFailure in getEnclosingType attaching type annotations	PSU
<a href="#">JDK-8339238</a>	21	Update to use jreg 7.5.1	PSU
<a href="#">JDK-8339271</a>	8,11,17,21	giflib attribution correction	PSU
<a href="#">JDK-8339791</a>	17,21,25	Refactor MiscUndecorated/ActiveAWTWindowTest.java	PSU

OpenJDK Patch ID	Azul Zulu Version	Synopsis	CPU/PSU
<a href="#">JDK-8340024</a>	17	In ClassReader, extract a constant for the superclass supertype_index	PSU
<a href="#">JDK-8340321</a>	11	Disable SHA-1 in TLS/DTLS 1.2 handshake signatures	PSU
<a href="#">JDK-8341039</a>	25	compiler/cha/TypeProfileFinalMethod.java fails with assertEquals expected: 0 but was: 2	PSU
<a href="#">JDK-8341246</a>	21	Test com/sun/tools/attach/PermissionTest.java fails access denied after JDK-8327114	PSU
<a href="#">JDK-8341310</a>	21	Test TestJcmdWithSideCar.java should skip ACCESS_TMP_VIA_PROC_ROOT (after JDK-8327114)	PSU
<a href="#">JDK-8341779</a>	17	[REDO BACKPORT] type annotations are not visible to javac plugins across compilation boundaries (JDK-8225377)	PSU
<a href="#">JDK-8342175</a>	11,17,21,25	MemoryEaterMT fails intermittently with ExceptionInInitializerError	PSU
<a href="#">JDK-8342401</a>	25	[TESTBUG] javax/swing/JSpinner/8223788/JSpinnerButtonFocusTest.java test fails in ubuntu 22.04 on SBR Hosts	PSU
<a href="#">JDK-8342449</a>	21	reimplement: JDK-8327114 Attach in Linux may have wrong behavior when pid == ns_pid	PSU
<a href="#">JDK-8342640</a>	25	GenShen: Silently ignoring ShenandoahGCHeuristics considered poor user-experience	PSU
<a href="#">JDK-8342659</a>	25	Test vmTestbase/nsk/jdi/ObjectReference/referringObjects/referringObjects002/referringObjects002.java failed: Class nsk.share.jdi.TestClass1 was not unloaded	PSU

OpenJDK Patch ID	Azul Zulu Version	Synopsis	CPU/PSU
<a href="#">JDK-8343234</a>	21	(bf) Move java/nio/Buffer/LimitDirectMemory.java from ProblemList.txt to ProblemList-Virtual.txt	PSU
<a href="#">JDK-8343316</a>	25	Review and update tests using explicit provider names	PSU
<a href="#">JDK-8343340</a>	25	Swapping checking do not work for MetricsMemoryTester failcount	PSU
<a href="#">JDK-8343377</a>	21	Performance regression in reflective invocation of native methods	PSU
<a href="#">JDK-8343474</a>	25	[updates] Customize README.md to specifics of update project	PSU
<a href="#">JDK-8344073</a>	25	Test runtime/cds/appcds/TestParallelGCWithCDS.java #id0 failed	PSU
<a href="#">JDK-8345668</a>	21	ZoneOffset.ofTotalSeconds performance regression	PSU
<a href="#">JDK-8346048</a>	11,17,21	test/lib/containers/docker/DockerRunOptions.java uses addJavaOpts() from ctor	PSU
<a href="#">JDK-8346154</a>	25	[XWayland] Some tests fail intermittently in the CI, but not locally	PSU
<a href="#">JDK-8346962</a>	17,21,25	Test CRLReadTimeout.java fails with -Xcomp on a fastdebug build	PSU
<a href="#">JDK-8347475</a>	17,21	GTK: javax/swing/JColorChooser/Test8152419.java there are no swatches or RGB tab in JColorChooser	PSU
<a href="#">JDK-8347911</a>	8	Limit the length of inflated text chunks	PSU
<a href="#">JDK-8348309</a>	21	MultiNST tests need more debugging and timing	PSU

OpenJDK Patch ID	Azul Zulu Version	Synopsis	CPU/PSU
<a href="#">JDK-8349192</a>	25	jvmti/scenarios/contention/TC05/tc05t001 fails: ERROR: tc05t001.cpp, 281: (waitedThreadCpuTime - waitThreadCpuTime) < (EXPECTED_ACCURACY * 1000000)	PSU
<a href="#">JDK-8349351</a>	17,21	Combine Screen Inset Tests into a Single File	PSU
<a href="#">JDK-8349583</a>	11	Add mechanism to disable signature schemes based on their TLS scope	PSU
<a href="#">JDK-8350103</a>	21	Test containers/systemd/SystemdMemoryAwarenessTest.java fails on Linux ppc64le SLES15 SP6	PSU
<a href="#">JDK-8350813</a>	8	Rendering of bulky sound bank from MIDI sequence can cause OutOfMemoryError	PSU
<a href="#">JDK-8351000</a>	21	StringBuilder getChar and putChar robustness	PSU
<a href="#">JDK-8351458</a>	21	(ch) Move preClose to UnixDispatcher	PSU
<a href="#">JDK-8351639</a>	17,21	Improve debuggability of test/langtools/jdk/jshell/JdiHangingListenExecutionControlTest.java test	PSU
<a href="#">JDK-8352149</a>	25	Test java/awt/Frame/MultiScreenTest.java fails: Window list is empty	PSU
<a href="#">JDK-8353657</a>	8	[8u] Test tools/launcher/VersionCheck.java fails with debug build	PSU
<a href="#">JDK-8353755</a>	17,21,25	Add a helper method to Util - findComponent()	PSU
<a href="#">JDK-8354057</a>	21	Odd debug output in -Xlog:os+container=debug on certain systems	PSU
<a href="#">JDK-8354145</a>	21	G1: UseCompressedOops boundary is calculated on maximum heap region size instead of maximum ergonomic heap region size	PSU
<a href="#">JDK-8354219</a>	17,21	Automate javax/swing/JComboBox/ComboPopupBug.java	PSU

OpenJDK Patch ID	Azul Zulu Version	Synopsis	CPU/PSU
<a href="#">JDK-8354244</a>	25	Use random data in MinMaxRed_Long data arrays	PSU
<a href="#">JDK-8354469</a>	21,25	Keytool exposes the password in plain text when command is piped using   grep	PSU
<a href="#">JDK-8354559</a>	21	gc/g1/TestAllocationFailure.java doesn't need WB API	PSU
<a href="#">JDK-8354878</a>	21	File Leak in CgroupSubsystemFactory::determine_type of cgroupSubsystem_linux.cpp:300	PSU
<a href="#">JDK-8354893</a>	17	[REDO BACKPORT] javac crashes while adding type annotations to the return type of a constructor (JDK-8320001)	PSU
<a href="#">JDK-8354894</a>	25	java/lang/Thread/virtual/Starvation.java timeout on server with high CPUs	PSU
<a href="#">JDK-8354922</a>	21	ZGC: Use MAP_FIXED_NOREPLACE when reserving memory	PSU
<a href="#">JDK-8354937</a>	25	Cleanup some sparc related coding in os_linux	PSU
<a href="#">JDK-8355278</a>	17,21	Improve debuggability of com/sun/jndi/ldap/LdapPoolTimeoutTest.java test	PSU
<a href="#">JDK-8355445</a>	21	[java.nio] Use @requires tag instead of exiting based on "os.name" property value	PSU
<a href="#">JDK-8355632</a>	17,21	WhiteBox.waitForReferenceProcessing() fails assert for return type	PSU
<a href="#">JDK-8355779</a>	11	When no "signature_algorithms_cert" extension is present we do not apply certificate scope constraints to algorithms in "signature_algorithms" extension	PSU
<a href="#">JDK-8356107</a>	21	[java.lang] Use @requires tag instead of exiting based on os.name or separatorChar property	PSU

OpenJDK Patch ID	Azul Zulu Version	Synopsis	CPU/PSU
<a href="#">JDK-8356548</a>	25	Use ClassFile API instead of ASM to transform classes in tests	PSU
<a href="#">JDK-8356868</a>	25	Not all cgroup parameters are made available	PSU
<a href="#">JDK-8357141</a>	21	Update to use jreg 7.5.2	PSU
<a href="#">JDK-8357277</a>	17,21,25	Update OpenSSL library for interop tests	PSU
<a href="#">JDK-8357380</a>	21,25	java/lang/StringBuilder/RacingSBThreads.java times out with C1	PSU
<a href="#">JDK-8357390</a>	25	java/awt/Toolkit/ScreenInsetsTest/ScreenInsetsTest.java Test failing on Ubuntu 24.04 Vm Hosts used by Oracle's internal CI system	PSU
<a href="#">JDK-8357470</a>	25	src/java.base/share/classes/sun/security/util/Debug.java implement the test for args.toLowerCase	PSU
<a href="#">JDK-8357570</a>	25	[macOS] os::Bsd::available_memory() might return too low values	PSU
<a href="#">JDK-8357591</a>	25	Re-enable CDS test cases for jvmci after JDK-8345826	PSU
<a href="#">JDK-8358058</a>	25	sun/java2d/OpenGL/DrawImageBg.java Test fails intermittently	PSU
<a href="#">JDK-8358077</a>	21	sun.tools.attach.VirtualMachineImpl::checkCatchessAndSendQuitTo on Linux leaks file handles after JDK-8327114	PSU
<a href="#">JDK-8358159</a>	21,25	Empty mode/padding in cipher transformations	PSU
<a href="#">JDK-8358529</a>	25	GenShen: Heuristics do not respond to changes in SoftMaxHeapSize	PSU
<a href="#">JDK-8358679</a>	25	[asan] vmTestbase/nsk/jvmti tests show memory issues	PSU
<a href="#">JDK-8358686</a>	25	CDS and AOT can cause buffer truncation warning even when logging is disabled	PSU

OpenJDK Patch ID	Azul Zulu Version	Synopsis	CPU/PSU
<a href="#">JDK-8358735</a>	25	GenShen: block_start() may be incorrect after class unloading	PSU
<a href="#">JDK-8358756</a>	25	[s390x] Test StartupOutput.java crash due to CodeCache size	PSU
<a href="#">JDK-8358801</a>	25	javac produces class that does not pass verifier.	PSU
<a href="#">JDK-8359064</a>	25	Expose reason for marking nmethod non-entrant to JVMCI client	PSU
<a href="#">JDK-8359182</a>	25	Use @requires instead of SkippedException for MaxPath.java	PSU
<a href="#">JDK-8359388</a>	21,25	Stricter checking for cipher transformations	PSU
<a href="#">JDK-8359418</a>	25	Test "javax/swing/text/GlyphView/bug4188841.java" failed because the phrase of text pane does not match the instructions	PSU
<a href="#">JDK-8359472</a>	25	JVM crashes when attaching a dynamic agent before JVMTI_PHASE_LIVE	PSU
<a href="#">JDK-8359707</a>	25	Add classfile modification code to RedefineClassHelper	PSU
<a href="#">JDK-8359827</a>	21	Test runtime/Thread/ThreadCountLimit.java need loop increasing the limit	PSU
<a href="#">JDK-8359868</a>	25	Shenandoah: Free threshold heuristic does not use SoftMaxHeapSize	PSU
<a href="#">JDK-8359978</a>	25	Test javax/net/ssl/SSLSocket/Tls13PacketSize.java failed again with java.net.SocketException: An established connection was aborted by the software in your host machine	PSU
<a href="#">JDK-8360049</a>	25	CodeInvalidationReasonTest.java fails with ZGC on AArch64	PSU

OpenJDK Patch ID	Azul Zulu Version	Synopsis	CPU/PSU
<a href="#">JDK-8360160</a>	25	ubuntu-22-04 machine is failing client tests	PSU
<a href="#">JDK-8360169</a>	25	Problem list CodeInvalidationReasonTest.java on linux-riscv64 until JDK-8360168 is fixed	PSU
<a href="#">JDK-8360271</a>	25	String.indexOf intrinsics fail with +EnableX86ECoreOpts and -CompactStrings	PSU
<a href="#">JDK-8360395</a>	25	sun/security/tools/keytool/i18n.java user country is current user location instead of the language	PSU
<a href="#">JDK-8360406</a>	17	[21u] Disable logic for attaching type annotations to class files until 8359336 is fixed	PSU
<a href="#">JDK-8360539</a>	17,21,25	DTLS handshakes fails due to improper cookie validation logic	PSU
<a href="#">JDK-8360562</a>	25	sun/security/tools/keytool/i18n.java add an ability to add comment for failures	PSU
<a href="#">JDK-8360702</a>	25	runtime/Thread/AsyncExceptionTest.java timed out	PSU
<a href="#">JDK-8360869</a>	8	jcstress is able to crash jdk8 on aarch64 with jfr on	PSU
<a href="#">JDK-8360882</a>	25	Tests throw SkippedException when they should fail	PSU
<a href="#">JDK-8361067</a>	17,21,25	Test ExtraButtonDrag.java requires frame.dispose in finally block	PSU
<a href="#">JDK-8361106</a>	25	[TEST] com/sun/net/httpserver/Test9.java fails with java.nio.file.FileSystemException	PSU
<a href="#">JDK-8361117</a>	17	SIGSEGV in LShiftLNode::Ideal due to unexpected dead node	PSU
<a href="#">JDK-8361363</a>	25	ShenandoahAsserts::print_obj() does not work for forwarded objects and UseCompactObjectHeaders	PSU
<a href="#">JDK-8361381</a>	25	GlyphLayout behavior differs on JDK 11+ compared to JDK 8	PSU

OpenJDK Patch ID	Azul Zulu Version	Synopsis	CPU/PSU
<a href="#">JDK-8361492</a>	25	[IR Framework] Has too restrictive regex for load and store	PSU
<a href="#">JDK-8361521</a>	25	BogusFocusableWindowState.java fails with StackOverflowError on Linux	PSU
<a href="#">JDK-8361530</a>	17,21,25	Test javax/swing/GraphicsConfigNotifier/StalePreferredSize.java timed out	PSU
<a href="#">JDK-8361613</a>	21,25	System.console() should only be available for interactive terminal	PSU
<a href="#">JDK-8361748</a>	8,11	Enforce limits on the size of an XBM image	PSU
<a href="#">JDK-8361894</a>	25	sun/security/krb5/config/native/TestDynamicStorage.java ensure that the test is run with sudo	PSU
<a href="#">JDK-8362284</a>	25	RISC-V: cleanup NativeMovRegMem	PSU
<a href="#">JDK-8362834</a>	21	Several runtime/Thread tests should mark as /native	PSU
<a href="#">JDK-8362979</a>	25	C2 fails with unexpected node in SuperWord truncation: CmplTMask, RoundF	PSU
<a href="#">JDK-8363950</a>	17,21,25	Incorrect jtreg header in TestLayoutVsICU.java	PSU
<a href="#">JDK-8364580</a>	25	Test compiler/vectorization/TestSubwordTruncation.java fails on platforms without RoundF/RoundD	PSU
<a href="#">JDK-8364741</a>	25	[asan] runtime/ErrorHandling/PrintVMInfoAtExitTest.java fails because output differs slightly	PSU
<a href="#">JDK-8364756</a>	25	JFR: Improve slow tests	PSU
<a href="#">JDK-8364764</a>	21	java/nio/channels/vthread/BlockingChannelOps.java subtests timed out	PSU

OpenJDK Patch ID	Azul Zulu Version	Synopsis	CPU/PSU
<a href="#">JDK-8364936</a>	25	Shenandoah: Switch nmethod entry barriers to conc_instruction_and_data_patch	PSU
<a href="#">JDK-8365065</a>	25	cancelled ForkJoinPool tasks no longer throw CancellationException	PSU
<a href="#">JDK-8365184</a>	25	sun/tools/jhsdb/HeapDumpTestWithActiveProcesses.java Re-enable SerialGC flag on debuggee process	PSU
<a href="#">JDK-8365305</a>	25	The ARIA role 'contentinfo' is not valid for the element <footer>	PSU
<a href="#">JDK-8365398</a>	25	TEST_BUG: java/rmi/transport/checkLeaseInfoLeak/CheckLeaseLeak.java failing intermittently	PSU
<a href="#">JDK-8365526</a>	21,25	Crash with null Symbol passed to SystemDictionary::resolve_or_null	PSU
<a href="#">JDK-8365570</a>	25	C2 fails assert(false) failed: Unexpected node in SuperWord truncation: CastII	PSU
<a href="#">JDK-8365776</a>	25	Convert JShell tests to use JUnit instead of TestNG	PSU
<a href="#">JDK-8365861</a>	25	test/jdk/sun/security/pkcs11/Provider/ tests skipped without SkippedException	PSU
<a href="#">JDK-8365972</a>	21,25	JFR: ThreadDump and ClassLoaderStatistics events may cause back to back rotations	PSU
<a href="#">JDK-8366082</a>	25	Improve queue size computation in CPU-time sampler	PSU
<a href="#">JDK-8366128</a>	21,25	jdk/jdk/nio/zipfs/TestPosix.java::testJarFile uses wrong file	PSU
<a href="#">JDK-8366182</a>	25	Some PKCS11Tests are being skipped when they shouldn't	PSU

OpenJDK Patch ID	Azul Zulu Version	Synopsis	CPU/PSU
<a href="#">JDK-8366221</a>	11	[11u] TestPromotionFromSurvivorToTenuredAfterMinorGC.java javac build fails	PSU
<a href="#">JDK-8366261</a>	21,25	Provide utility methods for sun.security.util.Password	PSU
<a href="#">JDK-8366278</a>	25	Form control element <select> has no associated label	PSU
<a href="#">JDK-8366369</a>	25	Add @requires linux for GTK L&F tests	PSU
<a href="#">JDK-8366486</a>	25	Test jdk/jfr/event/profiling/TestCPUtimeSampleMultipleRecordings.java is timing out	PSU
<a href="#">JDK-8366694</a>	17,21	Test JdbStopInNotificationThreadTest.java timed out after 60 second	PSU
<a href="#">JDK-8366733</a>	25	Re-examine older java.text NF, DF, and DFS serialization tests	PSU
<a href="#">JDK-8366747</a>	25	RISC-V: Improve VerifyMethodHandles for method handle linkers	PSU
<a href="#">JDK-8366817</a>	11,17,21,25	test/jdk/javax/net/ssl/TLSCommon/interop/JdkProcServer.java and JdkProcClient.java should not delete logs	PSU
<a href="#">JDK-8366850</a>	17,21	Test com/sun/jdi/JdbStopInNotificationThreadTest.java failed	PSU
<a href="#">JDK-8366866</a>	17,21	SslRMIClientSocketFactory#createSocket lacking privileges (securitymanger)	PSU
<a href="#">JDK-8366874</a>	25	Test gc/arguments/TestParallelGCergo.java fails with UseTransparentHugePages	PSU

OpenJDK Patch ID	Azul Zulu Version	Synopsis	CPU/PSU
<a href="#">JDK-8366878</a>	25	Improve flags of compiler/loopopts/superword/TestAlignVectorFuzzer.java	PSU
<a href="#">JDK-8366908</a>	25	Use a different class for testing JDK-8351654	PSU
<a href="#">JDK-8366938</a>	17,21,25	Test runtime/handshake/HandshakeTimeoutTest.java crashed	PSU
<a href="#">JDK-8366951</a>	25	Test runtime/logging/StressAsyncUL.java is timing out	PSU
<a href="#">JDK-8367135</a>	17,21,25	Test compiler/loopstripmining/CheckLoopStripMining.java needs internal timeouts adjusted	PSU
<a href="#">JDK-8367271</a>	25	Add parsing tests to DateFormat JMH benchmark	PSU
<a href="#">JDK-8367278</a>	25	Test compiler/startup/StartupOutput.java timed out after completion on Windows	PSU
<a href="#">JDK-8367302</a>	25	New test jdk/jfr/event/profiling/TestCPUtimeSampleQueueAutoSizes.java from JDK-8366082 is failing	PSU
<a href="#">JDK-8367371</a>	25	Remove @requires vm.opt.UseLargePages from InternSharedString.java test	PSU
<a href="#">JDK-8367372</a>	25	Test <a href="#">test/hotspot/jtreg/gc/TestObjectAlignmentCardSize.java</a> fails on 32 bit systems	PSU
<a href="#">JDK-8367583</a>	21,25	sun/security/util/AlgorithmConstraints/InvalidCryptoDisabledAlgos.java fails after JDK-8244336	PSU
<a href="#">JDK-8367772</a>	21,25	Refactor createUI in PassFailJFrame	PSU
<a href="#">JDK-8367784</a>	25	java/awt/Focus/InitialFocusTest/InitialFocusTest1.java failed with Wrong focus owner	PSU

OpenJDK Patch ID	Azul Zulu Version	Synopsis	CPU/PSU
<a href="#">JDK-8367862</a>	25	debug.cpp: Do not print help message for methods ifdef'd out	PSU
<a href="#">JDK-8367901</a>	25	Calendar.roll(hour, 24) returns wrong result	PSU
<a href="#">JDK-8367904</a>	17	Test java/net/InetAddress/ptr/Lookup.java should throw SkippedException	PSU
<a href="#">JDK-8367994</a>	25	test/jdk/sun/security/pkcs11/Signature/ tests pass when they should skip	PSU
<a href="#">JDK-8368029</a>	25	Several tests in httpserver/simpleserver should throw SkipException	PSU
<a href="#">JDK-8368182</a>	25	AOT cache creation fails with class defined by JNI	PSU
<a href="#">JDK-8368328</a>	25	CompactNumberFormat.clone does not produce independent instances	PSU
<a href="#">JDK-8368335</a>	25	Refactor the rest of Locale TestNG based tests to JUnit	PSU
<a href="#">JDK-8368498</a>	25	Use JUnit instead of TestNG for jdk_text tests	PSU
<a href="#">JDK-8368500</a>	25	ContextClassLoader cannot be reset on threads in ForkJoinPool.commonPool()	PSU
<a href="#">JDK-8368551</a>	25	Core dump warning may be confusing	PSU
<a href="#">JDK-8368625</a>	25	com/sun/net/httpserver/ServerStopTerminationTest.java fails intermittently	PSU
<a href="#">JDK-8368677</a>	25	acvp test should throw SkippedException when no ACVP-Server available	PSU
<a href="#">JDK-8368683</a>	21,25	[process] Increase jtreg debug output maxOutputSize for TreeTest	PSU
<a href="#">JDK-8368754</a>	25	runtime/cds/appcds/SignedJar.java log regex is too strict	PSU
<a href="#">JDK-8368787</a>	17,21,25	Error reporting: hs_err files should show instructions when referencing code in nmethods	PSU

OpenJDK Patch ID	Azul Zulu Version	Synopsis	CPU/PSU
<a href="#">JDK-8368866</a>	25	compiler/codecache/stress/UnexpectedDeoptimizationTest.java intermittent timed out	PSU
<a href="#">JDK-8368882</a>	21,25	NPE during text drawing on machine with JP locale	PSU
<a href="#">JDK-8368885</a>	25	NMT CommandLine tests can check for error better	PSU
<a href="#">JDK-8368892</a>	25	Make JEditorPane/TestBrowserBGColor.java headless	PSU
<a href="#">JDK-8368960</a>	17	Adjust java UL logging in the build	PSU
<a href="#">JDK-8369032</a>	25	Add test to ensure serialized ICC_Profile stores only necessary optional data	PSU
<a href="#">JDK-8369050</a>	25	DecimalFormat Rounding Errors for Fractional Ties Near Zero	PSU
<a href="#">JDK-8369226</a>	8	GHA: Switch to MacOS 15	PSU
<a href="#">JDK-8369227</a>	25	Virtual thread stuck in PARKED state	PSU
<a href="#">JDK-8369255</a>	25	Assess and remedy any unsafe usage of the Semaphores used by JFR	PSU
<a href="#">JDK-8369335</a>	25	Two sun/java2d/OpenGL tests fail on Windows after JDK-8358058	PSU
<a href="#">JDK-8369505</a>	25	jhsdb jstack cannot handle continuation stub	PSU
<a href="#">JDK-8369516</a>	25	Delete duplicate imaging test	PSU
<a href="#">JDK-8369563</a>	17	Gtest dll_address_to_function_and_library_name has issues with stripped pdb files	PSU
<a href="#">JDK-8369804</a>	25	TestGenerators.java fails with IllegalArgumentException: bound must be greater than origin	PSU
<a href="#">JDK-8369851</a>	25	Remove darcy author tags from langtools tests	PSU
<a href="#">JDK-8369858</a>	21,25	Remove darcy author tags from jdk tests	PSU

OpenJDK Patch ID	Azul Zulu Version	Synopsis	CPU/PSU
<a href="#">JDK-8369881</a>	25	C2: Unexpected node in SuperWord truncation: ReverseBytesS, ReverseBytesUS	PSU
<a href="#">JDK-8369911</a>	21,25	Test sun/java2d/marlin/ClipShapeTest.java#CubicDoDash, #Cubic and #Poly fail intermittent	PSU
<a href="#">JDK-8369991</a>	25	Thread blocking during JFR emergency dump must be in safepoint safe state	PSU
<a href="#">JDK-8370036</a>	25	TestJhsdbJstackWithVirtualThread.java fails when run with -showversion	PSU
<a href="#">JDK-8370064</a>	25	Test runtime/NMT/CheckForProperDetailStackTrace.java fails on Windows when using stripped pdb files	PSU
<a href="#">JDK-8370197</a>	25	Add missing @Override annotations in com.sun.beans package	PSU
<a href="#">JDK-8370201</a>	25	Test serviceability/sa/TestJhsdbJstackWithVirtualThread.java fails due to VM warnings	PSU
<a href="#">JDK-8370203</a>	25	Add jcmd AOT.end_recording diagnostic command	PSU
<a href="#">JDK-8370240</a>	25	[PPC64] jhsdb jstack cannot handle continuation stub	PSU
<a href="#">JDK-8370242</a>	25	JFR: Clear event reference eagerly when using EventStream	PSU
<a href="#">JDK-8370244</a>	25	[PPC64] Several vector tests fail on Power8	PSU
<a href="#">JDK-8370325</a>	21,25	G1: Disallow GC for TLAB allocation	PSU
<a href="#">JDK-8370378</a>	25	Some compiler tests inadvertently exclude particular platforms	PSU
<a href="#">JDK-8370393</a>	25	Cleanup handling of ancient Windows versions from GetJavaProperties java_props_md	PSU

OpenJDK Patch ID	Azul Zulu Version	Synopsis	CPU/PSU
<a href="#">JDK-8370405</a>	25	C2: mismatched store from MergeStores wrongly scalarized in allocation elimination	PSU
<a href="#">JDK-8370489</a>	26	Some compiler tests miss the @key randomness	PSU
<a href="#">JDK-8370492</a>	25	[Linux] Update cpu shares to cpu.weight mapping function	PSU
<a href="#">JDK-8370511</a>	25	test/jdk/javax/swing/JSlider/bug4382876.java does not release previously pressed keys	PSU
<a href="#">JDK-8370572</a>	21,25	Cgroups hierarchical memory limit is not honored after JDK-8322420	PSU
<a href="#">JDK-8370636</a>	21,25	com/sun/jdi/TwoThreadsTest.java should wait for completion of all threads	PSU
<a href="#">JDK-8370646</a>	25	TestLargeUTF8Length.java needs lots of memory	PSU
<a href="#">JDK-8370649</a>	25	Add intermittent tag for gc/shenandoah/generational/TestOldGrowthTriggers.java	PSU
<a href="#">JDK-8370708</a>	25	RISC-V: Add VerifyStackAtCalls	PSU
<a href="#">JDK-8370730</a>	25	Test serviceability/attach/EarlyDynamicLoad/EarlyDynamicLoad.java needs to be resilient about warnings	PSU
<a href="#">JDK-8370732</a>	25	Use WhiteBox.getWhiteBox().fullGC() to provoking gc for nsk/jvmti tests	PSU
<a href="#">JDK-8370887</a>	25	DelayScheduler.replace method may break the 4-ary heap in certain scenarios	PSU
<a href="#">JDK-8370905</a>	25	Update vm.defmeth tests to use virtual threads	PSU
<a href="#">JDK-8370942</a>	25	test/jdk/java/security/Provider/NewInstance.java and /test/jdk/java/security/cert/CertStore/NoLDAP.java may skip without notifying	PSU

OpenJDK Patch ID	Azul Zulu Version	Synopsis	CPU/PSU
<a href="#">JDK-8370966</a>	21,25	Create regression test for the hierarchical memory limit fix in JDK-8370572	PSU
<a href="#">JDK-8371014</a>	25	Dump JFR recording on CrashOnOutOfMemoryError is incorrectly implemented	PSU
<a href="#">JDK-8371103</a>	17,21,25	vmTestbase/nsk/jvmti/scenarios/events/EM02/em02t006/TestDescription.java failing	PSU
<a href="#">JDK-8371262</a>	25	sun/security/pkcs11/Cipher/KeyWrap tests may silently skip	PSU
<a href="#">JDK-8371316</a>	25	Adjust assertion (GC pause time cannot be smaller than the sum of each phase) in G1GCPhaseTimes::print	PSU
<a href="#">JDK-8371349</a>	25	Update NSS library to 3.117	PSU
<a href="#">JDK-8371364</a>	25	Refactor javax/swing/JFileChooser/FileSizeCheck.java to use Util.findComponent()	PSU
<a href="#">JDK-8371365</a>	25	Update javax/swing/JFileChooser/bug4759934.java to use Util.findComponent()	PSU
<a href="#">JDK-8371366</a>	25	java/net/httpclient/whitebox/RawChannelTestDriver.java fails intermittently in jtreg timeout	PSU
<a href="#">JDK-8371368</a>	25	SIGSEGV in JfrVframeStream::next_vframe() on arm64	PSU
<a href="#">JDK-8371383</a>	25	Test sun/security/tools/jarsigner/DefaultOptions.java failed due to CertificateNotYetValidException	PSU
<a href="#">JDK-8371385</a>	25	compiler/escapeAnalysis/TestRematerializeObjects.java fails in case of -XX:-UseUnalignedAccesses	PSU

OpenJDK Patch ID	Azul Zulu Version	Synopsis	CPU/PSU
<a href="#">JDK-8371420</a>	25	Still sporadic failures of gc/TestAlwaysPreTouchBehavior.java#<gcname> on Linux after JDK-8359104	PSU
<a href="#">JDK-8371485</a>	21,25	ProblemList awt/Mixing/AWT_Mixing/JTableInGlassPaneOverlapping.java for linux	PSU
<a href="#">JDK-8371559</a>	17,21,25	Intermittent timeouts in test javax/net/ssl/Stapling/HttpsURLConnectionClient.java	PSU
<a href="#">JDK-8371608</a>	21,25	Jtreg test jdk/internal/vm/Continuation/Fuzz.java sometimes fails with (fast)debug binaries	PSU
<a href="#">JDK-8371759</a>	25	Add missing @Override annotations in com.sun.imageio package	PSU
<a href="#">JDK-8371769</a>	25	TestMemoryInvisibleParent.java fails with java.nio.file.AccessDeniedException	PSU
<a href="#">JDK-8371854</a>	25	Shenandoah: Simplify WALK_FORWARD_IN_BLOCK_START use	PSU
<a href="#">JDK-8371864</a>	25	GaloisCounterMode.implGCMCrypt0 AVX512/AVX2 intrinsics stubs cause AES-GCM encryption failure for certain payload sizes	PSU
<a href="#">JDK-8371889</a>	21	[21u] JFR: Deadlock in ThrowableTracer	PSU
<a href="#">JDK-8371895</a>	25	Lower GCTimeLimit in TestUseGCOverheadLimit.java	PSU
<a href="#">JDK-8371944</a>	25	AOT configuration is corrupted when app closes System.out	PSU
<a href="#">JDK-8371948</a>	25	TestStackOverflowDuringInit.java fails xss too small on linux-aarch64	PSU
<a href="#">JDK-8371966</a>	25	RISC-V: Incorrect pointer dereference in TemplateInterpreterGenerator::generate_native_entry	PSU

OpenJDK Patch ID	Azul Zulu Version	Synopsis	CPU/PSU
<a href="#">JDK-8371967</a>	25	Add Visual Studio 2026 to build toolchain for Windows	PSU
<a href="#">JDK-8371978</a>	17,21,25	tools/jar/ReproducibleJar.java fails on XFS	PSU
<a href="#">JDK-8372012</a>	25	java/nio/file/attribute/BasicFileAttributeView/SetTimesNanos.java should check ability to create links	PSU
<a href="#">JDK-8372046</a>	25	compiler/floatingpoint/TestSubNodeFloatDoubleNegation.java fails IR verification	PSU
<a href="#">JDK-8372048</a>	17,21,25	Performance improvement on Linux remote desktop	PSU
<a href="#">JDK-8372110</a>	25	GenShen: Fix erroneous assert	PSU
<a href="#">JDK-8372120</a>	25	Add missing sound keyword to MIDI tests	PSU
<a href="#">JDK-8372147</a>	25	ConnectionFlowControlTest should use <code>HttpResponse.connectionLabel()</code>	PSU
<a href="#">JDK-8372321</a>	21,25	TestBackToBackSensitive fails intermittently after JDK-8365972	PSU
<a href="#">JDK-8372348</a>	21,25	Adjust some UL / JFR string deduplication output messages	PSU
<a href="#">JDK-8372412</a>	25	Increase buffer size for ring-buffer events in CollectedHeap	PSU
<a href="#">JDK-8372441</a>	21,25	JFR: Improve logging of TestBackToBackSensitive	PSU
<a href="#">JDK-8372464</a>	21	Bump update version for OpenJDK: jdk-21.0.11	PSU
<a href="#">JDK-8372465</a>	17	Bump update version for OpenJDK: jdk-17.0.19	PSU
<a href="#">JDK-8372586</a>	25	Crashes on ppc64(le) after JDK-8371368	PSU
<a href="#">JDK-8372589</a>	25,26	VM crashes on init when NonNMethodCodeHeapSize is set too small and UseTransparentHugePages is enabled	PSU

OpenJDK Patch ID	Azul Zulu Version	Synopsis	CPU/PSU
<a href="#">JDK-8372591</a>	25	assert(!currentThread().cont_fastpath()    freeze.check_valid_fast_path()) failed	PSU
<a href="#">JDK-8372592</a>	26	Adjust logger usage in java2d tests	PSU
<a href="#">JDK-8372609</a>	25	Bug4944439 does not enforce locale correctly	PSU
<a href="#">JDK-8372660</a>	8	[8u] ProblemList TestCPUAwareness until 8370492 is addressed	PSU
<a href="#">JDK-8372661</a>	25,26	Add a null-safe static factory method to "jdk.test.lib.net.SimpleSSLContext"	PSU
<a href="#">JDK-8372704</a>	25	ThreadMXBean.getThreadUserTime may return total time	PSU
<a href="#">JDK-8372710</a>	21,25	Update ProcessBuilder/Basic regex	PSU
<a href="#">JDK-8372733</a>	25	GHA: Bump to Ubuntu 24.04	PSU
<a href="#">JDK-8372756</a>	17,21,25	Mouse additional buttons and horizontal scrolling are broken on XWayland GNOME >= 47 after JDK-8351907	PSU
<a href="#">JDK-8372835</a>	25	WorkQueue::push is missing an acquire-fence	PSU
<a href="#">JDK-8372857</a>	11,17,21,25	Improve debuggability of java/rmi/server/RemoteServer/AddrInUse.java test	PSU
<a href="#">JDK-8372860</a>	25	TestCodeCacheUnloadDuringConcCycle fails on ARM32	PSU
<a href="#">JDK-8372933</a>	17,21,25,26	[CRaC] Restore failed due to incompatible or missing CPU features, try using -XX:CPUFeatures=0xfoo,0xbar on checkpoint	PSU
<a href="#">JDK-8372977</a>	17,21,25	Unnecessary gthread-2.0 loading	PSU
<a href="#">JDK-8372988</a>	21,25	Test runtime/Nestmates/membership/TestNestHostErrorWithMultiThread.java failed: Unexpected interrupt	PSU

OpenJDK Patch ID	Azul Zulu Version	Synopsis	CPU/PSU
<a href="#">JDK-8373021</a>	25	aarch64: MacroAssembler::arrays_equals reads out of bounds	PSU
<a href="#">JDK-8373101</a>	25	JdkClient and JdkServer test classes ignore namedGroups field	PSU
<a href="#">JDK-8373106</a>	25	JFR suspend/resume deadlock on macOS in pthreads library	PSU
<a href="#">JDK-8373250</a>	8	Bump update version of OpenJDK: 8u492	PSU
<a href="#">JDK-8373254</a>	11	Bump update version of OpenJDK: 11.0.31	PSU
<a href="#">JDK-8373429</a>	25	gc/g1/TestCodeCacheUnloadDuringConcCycle fails on various platforms	PSU
<a href="#">JDK-8373485</a>	25	JFR Crash during sampling: assert(jt.has_last_Java_frame()) failed: invariant	PSU
<a href="#">JDK-8373520</a>	26	Bump update version for OpenJDK: jdk26u to 26.0.1	PSU
<a href="#">JDK-8373525</a>	21,25	C2: assert(_base == Long) failed: Not a Long	PSU
<a href="#">JDK-8373537</a>	25	Migrate "test/jdk/com/sun/net/httpserver/" to null-safe "SimpleSSLContext" methods	PSU
<a href="#">JDK-8373593</a>	25	Support latest VS2026 MSC_VER in abstract_vm_version.cpp	PSU
<a href="#">JDK-8373623</a>	25	Refactor Serialization tests for Records to JUnit	PSU
<a href="#">JDK-8373625</a>	26	CPUTimeCounters creates a total counter for unsupported GCs	PSU
<a href="#">JDK-8373630</a>	25	r18_tls should not be modified on Windows AArch64	PSU
<a href="#">JDK-8373632</a>	25,26	Some sound tests failing in CI due to lack of sound key	PSU
<a href="#">JDK-8373704</a>	25	Improve "SocketException: Protocol family unavailable" message	PSU

OpenJDK Patch ID	Azul Zulu Version	Synopsis	CPU/PSU
<a href="#">JDK-8373716</a>	25	Refactor further java/util tests from TestNG to JUnit	PSU
<a href="#">JDK-8373727</a>	8,11,17,21,25	New XBM images parser regression: only the first line of the bitmap array is parsed	PSU
<a href="#">JDK-8373793</a>	25,26	TestDynamicStore.java '/manual' disables use of '/timeout'	PSU
<a href="#">JDK-8373807</a>	25	test/jdk/java/net/httpclient/websocket/DummyWebSocketServer.java getURI() uses "localhost"	PSU
<a href="#">JDK-8373832</a>	25	Test java/lang/invoke/TestVHInvokerCaching.java tests nothing	PSU
<a href="#">JDK-8373869</a>	25	Refactor java/net/httpclient/ThrowingPushPromises*.java tests to use JUnit5	PSU
<a href="#">JDK-8373931</a>	25	Test javax/sound/sampled/Clip/AutoCloseTimeCheck.java timed out	PSU
<a href="#">JDK-8373946</a>	25	Synth ProgressBarUI implementation confuses background painting with border painting	PSU
<a href="#">JDK-8373984</a>	25	Check for macos 11 in CGraphicsDevice.m can be removed	PSU
<a href="#">JDK-8373998</a>	25	RISC-V: simple optimization of ConvHF2F	PSU
<a href="#">JDK-8374056</a>	17,21,25	RISC-V: Fix argument passing for the RiscvFlushlcache::flush	PSU
<a href="#">JDK-8374178</a>	21,25	Missing include in systemDictionary.cpp after JDK-8365526	PSU
<a href="#">JDK-8374213</a>	11	[11u] [BACKOUT] JDK-8301379 Verify TLS_ECDH_* cipher suites cannot be negotiated	PSU
<a href="#">JDK-8374433</a>	21,25	java/util/Locale/PreserveTagCase.java does not run any tests	PSU

OpenJDK Patch ID	Azul Zulu Version	Synopsis	CPU/PSU
<a href="#">JDK-8374434</a>	25,26	Several JShell tests report JUnit discovery warnings	PSU
<a href="#">JDK-8374525</a>	25	RISC-V: Several masked float16 vector operations are not supported	PSU
<a href="#">JDK-8374555</a>	21,25	No need for visible input warning in s.s.u.Password when not reading from System.in	PSU
<a href="#">JDK-8374642</a>	17,21,25	EscapeHash macro fails with GNU make 4.3 and 4.4	PSU
<a href="#">JDK-8374644</a>	25,26	Regression in GZIPInputStream performance after JDK-7036144	PSU
<a href="#">JDK-8374711</a>	25	Hotspot runtime/CommandLine/OptionsValidation/TestOptionsWithRanges fails without printing the option name	PSU
<a href="#">JDK-8374872</a>	25	Cleanup outdated SAP AG copyright header info	PSU
<a href="#">JDK-8374875</a>	25	Improve perfMemory warning about 'Insufficient space for shared memory file'	PSU
<a href="#">JDK-8374899</a>	8	[8u] Fully handle clang as the toolchain in flags.m4	PSU
<a href="#">JDK-8374917</a>	8	[8u] C++ flags get passed to C compiles in the HotSpot build	PSU
<a href="#">JDK-8374948</a>	8	[8u] saproc & jsig builds add duplicate linker flags on Darwin/MacOS	PSU
<a href="#">JDK-8375044</a>	17,21,25	[CRaC] Structured engine options info	PSU
<a href="#">JDK-8375057</a>	11,17,21,25,26	Update HarfBuzz to 12.3.2	PSU
<a href="#">JDK-8375063</a>	26	Update Libpng to 1.6.54	PSU
<a href="#">JDK-8375094</a>	25,26	RISC-V: Fix client builds after JDK-8368732	PSU
<a href="#">JDK-8375189</a>	8	[8u] Problem list CAInterop.java#microsoftrsa2017	PSU

OpenJDK Patch ID	Azul Zulu Version	Synopsis	CPU/PSU
<a href="#">JDK-8375231</a>	25	Refactor util/ServiceLoader tests to use JUnit	PSU
<a href="#">JDK-8375232</a>	25	Refactor util/StringJoiner tests to use JUnit	PSU
<a href="#">JDK-8375233</a>	25	Refactor util/Vector tests to use JUnit	PSU
<a href="#">JDK-8375311</a>	25	Some builds are missing debug helpers	PSU
<a href="#">JDK-8375530</a>	17,21,25,26	PPC64: incorrect quick verify_method_data_pointer check causes poor performance in debug build	PSU
<a href="#">JDK-8375549</a>	17,21,25	ConcurrentModificationException if jdk.crypto.disabledAlgorithms has multiple entries with known oid	PSU
<a href="#">JDK-8375598</a>	25	VM crashes with "assert((labs(val) & 0xFFFFFFFF00000000) == 0    dest == (address)-1) failed: must be 32bit offset or -1" when using too high value for NonNMethodCodeHeapSize	PSU
<a href="#">JDK-8375657</a>	25,26	RISC-V: Need to check size in SharedRuntime::is_wide_vector	PSU
<a href="#">JDK-8375742</a>	25	Test java/lang/invoke/MethodHandleProxies/Driver.java a does not run Unnamed.java	PSU
<a href="#">JDK-8375963</a>	25	[25u] Set designator DEFAULT_PROMOTED_VERSION_PRE=ea in jdk25u-dev	PSU
<a href="#">JDK-8375994</a>	26	Change milestone to fcs for all releases	PSU
<a href="#">JDK-8375999</a>	21,25	com/sun/jndi/ldap/LdapPoolTimeoutTest.java fails sporadically on Windows	PSU
<a href="#">JDK-8376225</a>	8	[8u] GHA: Apply work-around for missing JNF for MacOSX builds	PSU
<a href="#">JDK-8376251</a>	17,21	[macos] java/awt/Frame/I18NTitle.java fails on MacOS (JDK-8355884)	PSU

OpenJDK Patch ID	Azul Zulu Version	Synopsis	CPU/PSU
<a href="#">JDK-8376270</a>	17,21	[21u, 17u] Redo JDK-8361748: Enforce limits on the size of an XBM image	PSU
<a href="#">JDK-8376272</a>	8	[8u] Windows x86-32 fails to build after JDK-8359501	PSU
<a href="#">JDK-8376338</a>	8	Test7005594.sh fails when given a memory value with decimals	PSU
<a href="#">JDK-8376352</a>	8	[8u] Build failure on Windows 32-bit after JDK-8362308	PSU
<a href="#">JDK-8376572</a>	25	RISC-V: Interpreter: Load array index as signed int	PSU
<a href="#">JDK-8376688</a>	25	Gtest os.attempt_reserve_memory_between_small_range_fill_hole_vm fails on AIX 7.3	PSU
<a href="#">JDK-8376889</a>	25	Enhance JfrRecorder::on_create_vm_3() assert output	PSU
<a href="#">JDK-8376959</a>	17,21,25,26	[CRaC] Turn simengine into shared library	PSU
<a href="#">JDK-8377173</a>	17,21,25	[CRaC] Don't set direct_map=true on checkpoint	PSU
<a href="#">JDK-8377177</a>	17,21,25	[CRaC] Clarify engine use in the testsuite	PSU
<a href="#">JDK-8377344</a>	8	[8u] Compilation failure on Windows for Linux-specific platform metric tests	PSU
<a href="#">JDK-8377347</a>	25	jdk/jfr/event/gc/detailed/TestZAllocationStallEvent.java intermittent OOME	PSU
<a href="#">JDK-8377450</a>	11	[11u] Tests using Text Blocks fail to compile	PSU
<a href="#">JDK-8377509</a>	17,21,25	Add licenses for gcc 14.2.0	PSU
<a href="#">JDK-8377526</a>	8,11,17,21,25,26	Update Libpng to 1.6.55	PSU
<a href="#">JDK-8377562</a>	17,21,25,26	[CRaC] Add better logging to RemoteJmxTest	PSU

OpenJDK Patch ID	Azul Zulu Version	Synopsis	CPU/PSU
<a href="#">JDK-8377811</a>	25	[25u] G1: Optional Evacuators may evacuate pinned objects	PSU
<a href="#">JDK-8377898</a>	25	Hotspot build on AIX with unused-functions warning reports some unused functions	PSU
<a href="#">JDK-8377905</a>	17,21,25,26	gcc.md included with every build	PSU
<a href="#">JDK-8378113</a>	25	Add sun/java2d/OpenGL/ScaleParamsOOB.java to the ProblemList.txt file	PSU
<a href="#">JDK-8378218</a>	17,21,25	MSYS2 reports cygwin triplet causing bash configure failure	PSU
<a href="#">JDK-8378259</a>	17,21,25,26	[CRaC] Tests using CRIU fail in GitHub Actions	PSU
<a href="#">JDK-8378353</a>	25	[PPC64] StringCoding.countPositives causes errors when the length is not a proper 32 bit int	PSU
<a href="#">JDK-8378446</a>	17,21,25,26	[CRaC] Replace libcrexec with libcruengine	PSU
<a href="#">JDK-8378623</a>	25,26	Use unique font names in FormatCharAdvanceTest	PSU
<a href="#">JDK-8378631</a>	8,11,17,21,25	Update Zlib Data Compression Library to Version 1.3.2	PSU
<a href="#">JDK-8378821</a>	17,21,25,26	[CRaC] Record & check CRaC engine	PSU
<a href="#">JDK-8378823</a>	8,11,17,21,25	AIX build fails after zlib updated by JDK-8378631	PSU
<a href="#">JDK-8378853</a>	21,25	[25u] Make backport of JDK-8244336 comply with differences in CSR	PSU
<a href="#">JDK-8378857</a>	17,21,25,26	[CRaC] Expose checkpoint method in CRaCMXBean	PSU
<a href="#">JDK-8379256</a>	8,11,17,21,25	Update GIFlib to 6.1.1	PSU
<a href="#">JDK-8379424</a>	11	[11u] Update SSL tests using SSLEngineTemplate	PSU
<a href="#">JDK-8379664</a>	17,21,25,26	[CRaC] Deprecate Core.getGlobalContext()	PSU
<a href="#">JDK-8380078</a>	8,11,17,21,25	Update GIFlib to 6.1.2	PSU

OpenJDK Patch ID	Azul Zulu Version	Synopsis	CPU/PSU
<a href="#">JDK-8380284</a>	17,21,25,26	[CRaC] Deprecate Core.checkpointRestore()	PSU
<a href="#">JDK-8380959</a>	8,11,17,21,25	Update Libpng to 1.6.56	PSU
<a href="#">JDK-8382047</a>	8,11,17,21,25	Update Libpng to 1.6.57	PSU
<a href="#">JDK-8382374</a>	11	[11u] Remove designator DEFAULT_PROMOTED_VERSION_PRE=ea for release 11.0.31	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
<a href="#">JDK-8278021</a>	11,17	Fix warnings in macOS glass native code and treat warnings as errors	CPU,PSU
<a href="#">JDK-8295725</a>	11	Update copyright header for files modified in 2022	CPU,PSU
<a href="#">JDK-8310582</a>	11	Update copyright header for files modified in 2023	CPU,PSU
<a href="#">JDK-8318714</a>	11	Update copyright header for files modified in 2023	CPU,PSU
<a href="#">JDK-8323879</a>	11	constructor Path(Path) which takes another Path object fail to draw on canvas html	CPU,PSU
<a href="#">JDK-8336110</a>	11,17	Update copyright header for files modified in 2024	CPU,PSU
<a href="#">JDK-8339335</a>	8,11,17,21	set number of parallel jobs when building webkit	CPU,PSU
<a href="#">JDK-8339505</a>	8,11,17,21	Enable parallel compilation of native code on macOS	CPU,PSU
<a href="#">JDK-8339515</a>	11,17,21	[TestBug] Convert web tests to JUnit 5	CPU,PSU
<a href="#">JDK-8365763</a>	11,17,21	Update copyright header for files modified in 2025	CPU,PSU
<a href="#">JDK-8365859</a>	11,17,21	Update copyright header for files modified in 2025	CPU,PSU

OpenJDK Patch ID	Azul Zulu Version	Synopsis	CPU/PSU
<a href="#">JDK-8368572</a>	8,11,17,21,25,26	Update WebKit to 623.1	CPU,PSU
<a href="#">JDK-8374153</a>	8,11,17,21,25	Add a MAX_COMPILE_THREADS gradle property to limit number of threads	CPU,PSU
<a href="#">JDK-8374573</a>	25	Update copyright header for files modified in 2025	CPU,PSU
<a href="#">JDK-8376282</a>	8,11,17,21,25,26	[linux, macos] JavaFX fails to build WebKit in DebugNative	CPU,PSU
<a href="#">JDK-8377099</a>	8,11,17,21,25,26	Additional WebKit 623.1 fixes from WebKitGTK 2.50.4	CPU,PSU
<a href="#">JDK-8377930</a>	8,11,17,21,25,26	Additional WebKit 623.1 fixes from WebKitGTK 2.50.5	CPU,PSU
<a href="#">JDK-8380557</a>	8,11,17,21,25,26	Additional WebKit 623.1 fixes from WebKitGTK 2.50.6	CPU,PSU
<a href="#">JDK-8154847</a>	26	Rendering is incorrect or not visible with StageStyle.UNIFIED on some graphics cards	PSU
<a href="#">JDK-8362517</a>	25	Update JavaFX release version for Jan 2026 CPU	PSU
<a href="#">JDK-8367045</a>	25	[Linux] Dead keys not working	PSU
<a href="#">JDK-8371052</a>	8,11,17	Update libFFI to 3.5.2	PSU
<a href="#">JDK-8374171</a>	25	Change JavaFX release version to 25.0.3 in jfx25u	PSU
<a href="#">JDK-8375225</a>	26	WebIObserverTest fails with WebKit 623.1	PSU
<a href="#">JDK-8375235</a>	25	Create release notes for JavaFX 25.0.2	PSU
<a href="#">JDK-8376022</a>	26	Change JavaFX release version to 26.0.1 in jfx26u	PSU
<a href="#">JDK-8377153</a>	26	JavaFX FlowPane layout causing improper wrapping of TextFlow nodes with max-width styling	PSU
<a href="#">JDK-8377393</a>	26	RichTextArea: failed to export null color attribute value	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-89121	21	Update JFX to zulu23.0.6.0.101+102	CPU
ZULU-89286	25	Update JFX to zulu25.0.2.0.101+101	CPU
ZULU-89290	17	Update JFX to zulu22.0.8.0.101+103	CPU
ZULU-86264	8,11,17	A few tests fail with java.security.AccessControlException: access denied ("java.util.PropertyPermission" "jdk.awt.Desktop.bypassBrowserForURI" "read")	CPU,PSU
ZULU-86264	21	A few tests fail with java.security.AccessControlException: access...	CPU,PSU
ZULU-88466	6,7	Update external FreeType to 2.14.2	CPU,PSU
ZULU-88483	8	Solaris builds are broken after JDK-8379158	CPU,PSU
ZULU-88497	6	Fix ReverseBuild.java test for Zulu6	CPU,PSU
ZULU-88609	6	Revert "8356294: Enhance Path Factories" in Zulu 6	CPU,PSU
ZULU-88610	6	Re-apply "8356294: Enhance Path Factories" in Zulu 6	CPU,PSU
ZULU-88627	25	Update JFX to zulu25.0.2.0.101+100	CPU,PSU
ZULU-88628	21	Update JFX to zulu23.0.6.0.101+100	CPU,PSU
ZULU-88629	17	Update JFX to zulu22.0.8.0.101+100	CPU,PSU
ZULU-88651	11	Update JFX to zulu19.0.14.0.101+100	CPU,PSU
ZULU-88784	6	NPE for Zulu6 during partial call to xjc	CPU,PSU
ZULU-88789	8	Update JFX to zulu8u491-b02	CPU,PSU
ZULU-89181	11	Update JFX to zulu19.0.14.0.101+101	CPU,PSU
ZULU-89191	8	Update JFX to zulu8u491-b04	CPU,PSU

Issue ID	Azul Zulu Version	Synopsis	CPU/PSU
ZULU-80923	17,21	Restore fails when a security manager is used	PSU
ZULU-81602	17,21,25	Make Warp the default engine	PSU
ZULU-82680	25	CRaC: CPUFeatures: Add/replace qemu-kvm with test farm iron allocation	PSU
ZULU-84081	21	compiler/gcbarriers/PreserveFPRegistersTest.java fails with exception	PSU
ZULU-84679	17,21,25	Zulu test for Warp encryption	PSU
ZULU-84696	8	Improve TestOverrideVMProperties	PSU
ZULU-85589	25	CRaC: WARP vs. CRIU warning vs. error on ignoring CPUFeatures	PSU
ZULU-85814	11,17,21,25	JTReg test testlibrary_tests/TestMutuallyExclusivePlatformPr edicates.java failed on isZuluRefined method	PSU
ZULU-86278	8	Update criu lz4 library to v1.9.4	PSU
ZULU-86279	8	Update protobuf library to v3.15	PSU
ZULU-86281	17,21,25	Backport changes of JDK 27 CRaC merge into LTS CRaC	PSU
ZULU-86679	17,21,25,26	Remove S3 image bitmask handling in JVM	PSU
ZULU-86690	21	Failed gc/arguments/TestG1CompressedOops.java on zulu21-default 32bit platforms	PSU
ZULU-86719	8	Update to gcc 7.3 for zulu8 linux-aarch64 builds	PSU
ZULU-86776	17,21,25	[CRaC] Missing message in assert in vm_version_x86.cpp	PSU
ZULU-87194	8	zulu8.94.0.12 build failure after 8360869	PSU
ZULU-87199	11,17,21,25	Update hsdis to 1.0.2	PSU
ZULU-88234	21	Update JFX to zulu23.0.7+100	PSU

Issue ID	Azul Zulu Version	Synopsis	CPU/PSU
ZULU-88242	25	Fix dev BOMs in zulu25-crac	PSU
ZULU-88254	26	Don't test warp in HelpFlagsTest & VersionCheck	PSU
ZULU-88313	26	Don't load CRIU plugins	PSU
ZULU-88377	26	Exclude failed tests on zulu26-default	PSU
ZULU-88378	26	Exclude failed tests on zulu26-crac	PSU
ZULU-88380	26	Reduce amount of Dev builds in zulu26-default by adding dev-boms	PSU
ZULU-88383	25	Zulu 25 has outdated implementation of CracEngine::prepare_concurrent_api	PSU
ZULU-88407	17,21,25	Remove CRaC options that expire in April 2026	PSU
ZULU-88410	17,21	JDK_Version definition missing in zulu21-crac	PSU
ZULU-88465	21	Exclude test runtime/NMT/MallocLimitTest.java#global-limit-fatal	PSU
ZULU-88535	17,21,25,26	Use archived localstack container image	PSU
ZULU-88585	26	Fix dev BOMs in zulu26-crac	PSU
ZULU-88623	8	Remove Lucida fonts	PSU
ZULU-88797	8	QNX7.1 Java 8.94.0.14 crash at start	PSU
ZULU-88938	26	Update JFX to zulu26.0.1+101	PSU
ZULU-88948	25	Update JFX to zulu25.0.3+101	PSU
ZULU-88952	21	Update JFX to zulu23.0.7+102	PSU
ZULU-89180	8	Solaris builds are broken after JDK-8328999	PSU
ZULU-89210	17	Update JFX to zulu22.0.9+102	PSU
ZULU-89213	11	Update JFX to zulu19.0.15+101	PSU
ZULU-89214	8	Update JFX to zulu8u492-b02	PSU

Issue ID	Azul Zulu Version	Synopsis	CPU/PSU
ZULU-89377	8	aarch32 build failure after 8364465	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-88238	8,11,17,21,25,26	Update OSX devkit to 15.4	CPU,PSU
ZULU-88277	8,11,17,21,25,26	jfx build is killed on linux-x64 AWS node	CPU,PSU
ZULU-88319	8,11,17,21,25,26	Perl error on jfx build host: "uniq" is not exported by the List::Util module	CPU,PSU
ZULU-88363	11	jfx: Revert enabling of -Werror	CPU,PSU
ZULU-88400	8	jfx8: Fix WTF::URL compilation	CPU,PSU
ZULU-88778	8	zulujfx8u491-b01 test failure	CPU,PSU
ZULU-89039	8,11,17,21	Revert "ZULU-88277: jfx build is killed on linux-x64 AWS node"	CPU,PSU
ZULU-89046	8,11,17,21	Force limit a number of compile threads	CPU,PSU

## Legal Notice

© 2005–2025, Azul Systems, Incorporated, 375 Moffett Park Drive, Suite 115, Sunnyvale, CA 94089. All rights reserved.

Products and specifications discussed in this document may reflect future versions and are subject to change without notice. Azul Systems assumes no responsibility or liability for any errors or inaccuracies that may appear in the informational content contained in this guide.

No part of this document may be reproduced, stored in a retrieval system, or transmitted, in any form or by any means, electronic, mechanical, recording, or otherwise, without the prior written permission of Azul Systems. Please note that the content in this document is protected under copyright law even if it is not distributed with software that includes an end user license agreement.

Azul Systems, Azul Zulu, and the Azul logo are trademarks or registered trademarks of Azul Systems, Inc. Linux is a registered trademark of Linus Torvalds. Java is a registered trademark of Oracle Corporation. Microsoft and Windows are registered trademarks of Microsoft Corporation. Other marks are the property of their respective owners and are used here only for identification purposes.