



## Azul Zulu builds of OpenJDK

January 2022 Quarterly Update

Release Notes

Revision 1.2

# Table of Contents

<b>Revision History</b> .....	<b>1</b>
<b>Release Details</b> .....	<b>2</b>
<b>Supported Platforms</b> .....	<b>3</b>
<b>Highlights</b> .....	<b>6</b>
<b>Notice of Upcoming Changes</b> .....	<b>8</b>
<b>Known Issues</b> .....	<b>8</b>
<b>IANA Time Zone Database version</b> .....	<b>8</b>
<b>Fixed Issues</b> .....	<b>9</b>
Fixed Common Vulnerabilities and Exposures .....	9
Non-CVE Security Fixes .....	11
OpenJDK Bug Fixes .....	12
OpenJFX Bug Fixes .....	52
Azul Zulu Bug Fixes .....	54
<b>Legal Notice</b> .....	<b>56</b>

## Revision History

Revision	Date	Description
0.1	January 18, 2022	Initial version of the document.
1.0	January 18, 2022	Added information about the CVEs fixed in this release.
1.1	January 28, 2022	Added Azul Zulu 8.59.0.14 (SA) to the list of bundles, which was released to fix a packaging issue discovered in version 8.59.0.12.
1.2	February 2, 2022	Updated the list of <a href="#">JVM options</a> that are meant to be used to achieve the effect of the <code>JAVASE_EMBEDDED</code> build option. The options were incorrect in the previous versions of the release notes.

# Release Details

Release Date: January 18, 2022

This release is a quarterly update release for Azul Zulu Builds of OpenJDK version 17, 15, 13, 11, 8, 7, and 6. The following table lists detailed information on the Azul Zulu versions released with the current update.

Azul Zulu Version*	Update Type**	JDK Version	Based on		JavaFX Version
			Azul Zulu Version	JDK Version	
17.32.13 (CA) 17.32.14 (SA)	PSU	17.0.2+8	17.30	17.0.1+12	17.0.2+100
15.37.14 (SA)	CPU	15.0.5.0.101+2	15.36	15.0.5+3	17.0.1.0.101+100
15.38.17 (CA) 15.38.18 (SA)	PSU	15.0.6+5	15.37	15.0.5.0.101+2	17.0.2+100
13.45.12 (SA)	CPU	13.0.9.0.101+1	13.44	13.0.9+3	17.0.1.0.101+100
13.46.15 (CA) 13.46.16 (SA)	PSU	13.0.10+5	13.45	13.0.9.0.101+1	17.0.2+100
11.53.14 (SA)	CPU	11.0.13.0.101+2	11.52	11.0.13+8	17.0.1.0.101+101
11.54.23 (CA) 11.54.24 (SA)	PSU	11.0.14+9	11.53	11.0.13.0.101+2	17.0.2+100
8.59.0.12 (SA) 8.59.0.14 (SA)	CPU	8u321-b01	8.58	8u312-b07	8u321-b01
8.60.0.21 (CA) 8.60.0.22 (SA)	PSU	8u322-b06	8.59	8u321-b01	8u322-b01
7.51.0.12 (SA)	CPU	7u331-b01	7.50	7u322-b01	N/A
7.52.0.11 (CA) 7.52.0.12 (SA)	PSU	7u332-b01	7.51	7u331-b01	N/A
6.45 (SA)	CPU	6b145	6.43	6b143	N/A

\* Azul provides three types of distribution packages for each Java version:

- **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 does not have to include specific licenses and that such use does not contaminate the code or intellectual property of such software with any license requirements.
- **NV** are tested, certified, and commercially supported Azul Zulu builds of OpenJDK.
- **CA** are Azul Zulu builds of OpenJDK that are free to download and use.

\*\* 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 and NV 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, NV, and CA distributions.

## Supported Platforms

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

Operating System	Azul Zulu Version						
	6	7	8	11	13	15	17
Windows (x86 32/64-bit)							
Windows Server 2019	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Windows Server 2016	Yes	Yes	Yes	Yes	Yes	Yes	Yes

Windows Server 2012 R2	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Windows 11	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Windows 10	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Windows 8.1	Yes	Yes	Yes	Yes	Yes	Yes	Yes
<b>Windows (ARM 64-bit)</b>							
Windows 11	n/a	n/a	n/a	n/a	n/a	n/a	Yes
Windows 10	n/a	n/a	n/a	n/a	n/a	n/a	Yes
<b>Linux (x86 32/64-bit)</b>							
RHEL 8.x	Yes	Yes	Yes	Yes	Yes	Yes	Yes
RHEL 7.x	Yes	Yes	Yes	Yes	Yes	Yes	Yes
SLES 15	Yes	Yes	Yes	Yes	Yes	Yes	Yes
SLES 12	Yes	Yes	Yes	Yes	Yes	Yes	Yes
CentOS 8.x [1]	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Ubuntu 20.04	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Ubuntu 18.04	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Debian 11	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Debian 10	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Debian 9	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Wind River 8.x	n/a	Yes	Yes	n/a	n/a	n/a	n/a
CoreOS	n/a	Yes	Yes	Yes	Yes	Yes	Yes
Alpine Linux 3.11 or later	n/a	n/a	Yes	Yes	Yes	Yes	Yes
<b>Linux (ARM 64-bit)</b>							
Ubuntu 20.04	n/a	n/a	Yes	Yes	Yes	Yes	Yes
Ubuntu 18.04	n/a	n/a	Yes	Yes	n/a	n/a	n/a
Alpine Linux 3.11 or later	n/a	n/a	n/a	n/a	n/a	n/a	Yes

Linux with kernel 3.10.x and glibc 2.23	n/a	n/a	Yes	Yes	n/a	n/a	n/a
<b>Linux (ARM 32-bit Hard-Float)</b>							
Ubuntu 18.04 [2]	n/a	n/a	Yes	Yes	n/a	n/a	Yes
Raspbian 10 Buster [2]	n/a	n/a	Yes	Yes	n/a	n/a	Yes
Raspbian 9 Stretch [2]	n/a	n/a	Yes	Yes	n/a	n/a	n/a
Linux with kernel 3.10.x and glibc 2.9 [2]	n/a	n/a	Yes	Yes	n/a	n/a	n/a
<b>Linux (ARM 32-bit Soft-Float) [3]</b>							
Linux with kernel 2.6.34 and glibc 2.5 [4]	n/a	n/a	Yes	Yes	n/a	n/a	n/a
Debian 7 Wheezy [5]	n/a	n/a	Yes	Yes	n/a	n/a	n/a
Linux with kernel 3.10.x and glibc 2.9 [5]	n/a	n/a	Yes	Yes	n/a	n/a	n/a
<b>Linux (MIPS 32-bit) [6]</b>							
Linux with kernel 4.9.59 and glibc 2.9 [7]	n/a	n/a	Yes	n/a	n/a	n/a	n/a
<b>Linux (PowerPC 64-bit Big Endian)</b>							
Linux with kernel 3.8.13 and glibc 2.22 [8]	n/a	n/a	Yes	n/a	n/a	n/a	n/a
<b>Linux (PowerPC 32-bit Hard-float and SPE)</b>							
Linux with kernel 3.12.37 and glibc 2.20 [9]	n/a	n/a	Yes	n/a	n/a	n/a	n/a
<b>QNX (ARMv7 32-bit Hard-Float ABI)</b>							
QNX 7.0	n/a	n/a	Yes	n/a	n/a	n/a	n/a
<b>MacOS (x86 64-bit)</b>							
macOS 12	n/a	Yes	Yes	Yes	Yes	Yes	Yes
macOS 11	n/a	Yes	Yes	Yes	Yes	Yes	Yes

macOS 10.15	n/a	Yes	Yes	Yes	Yes	Yes	Yes
MacOS (Apple Silicon)							
macOS 12	n/a	Yes	Yes	Yes	Yes	Yes	Yes
macOS 11	n/a	n/a	Yes	Yes	Yes	Yes	Yes
Solaris (x86 and Sparc)							
Solaris 11	Yes	Yes	Yes	Yes	n/a	n/a	n/a
Solaris 10	Yes	Yes	Yes	n/a	n/a	n/a	n/a

1. The Azul Zulu builds for CentOS 8 are discontinued in July, 2022 due to Red Hat terminating CentOS development and shifting focus to CentOS Stream.
2. 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.
3. 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.
4. Bundles with the C1 compiler. Tested on ARMv5 hardware.
5. Bundles with the C1 compiler were tested on ARMv6 and ARMv7 hardware. Bundles with both C1 and C2 compilers were tested on ARMv7 hardware.
6. MIPS32r2 ISA, Big Endian, FPU in 32-bit mode or equivalent emulation.
7. Linux soft-float O32 MIPS ABI
8. Bundles for this platform were tested on QorIQ® T4240-RDB.
9. Hard-Float EABI bundles were tested on QorIQ® T1024RDB. SPE ABI bundles were tested on NXP® P2020RDB.

## Highlights

### Azul Zulu 17 Arm32 support

Azul Zulu 17 now supports the Arm32 architecture for Linux platforms.

### JAVASE\_EMBEDDED build configuration dropped.

Azul has stopped using the `JAVASE_EMBEDDED` option to build Azul Zulu bundles intended for embedded systems. This build-time option was used to tune Azul Zulu



bundles in a way to demonstrate better startup performance on some embedded systems. However, you can achieve the same startup boost using the following JVM flags with an arbitrary Azul Zulu bundle:

```
-XX:+UnlockDiagnosticVMOptions  
-XX:GuaranteedSafepointInterval=0  
-XX:-UsePerfData
```

Azul Zulu bundles built with this option used to have the `-embvmm-` suffix in the bundle file name. This suffix was removed from bundle names in October 2021.

## OpenJSSE and Legacy8uJSSE support for Azul Zulu 8 extended

The support for JSSE providers OpenJSSE and Legacy8uJSSE has been extended until January 2023.

OpenJSSE is a JSSE provider that was ported from Java 11 to Azul Zulu 8 to add support for TLS 1.3, because OpenJDK 8 did not support TLS 1.3 at the time. Later, OpenJSSE was integrated into the SunJSSE provider of OpenJDK 8u272 and became part of Java SE 8 specification.

Legacy8uJSSE is a JSSE provider that falls back to legacy TLS 1.2 protocol implementation and was added to Azul Zulu 8 for compatibility reasons.

Although announced as removed in previous releases of Azul Zulu, the two JSSE implementations are still available in Azul Zulu 8 until January 2023.

## OpenJSSE removed from Azul Zulu 11

The OpenJSSE provider has been removed from Azul Zulu 11.

If your applications run on Azul Zulu 11 and use the public OpenJSSE API, consider updating the JSSE-related logic correspondingly. For example, you might want to switch to a different JSSE provider (for example, SunJSSE) due to OpenJSSE removal.

## JVM symbols added to Azul Zulu 8

Azul Zulu 8 CA bundles now include minimum JVM symbols. At the cost of a slight

increase of the bundle size, JVM symbols greatly simplify the profiling process, make JVM crash messages more informative, and make possible the use of some instrumentation tools. More detailed debug symbols are available as a separate binary package.

## Notice of Upcoming Changes

- Support for CentOS 8 will be discontinued in July 2022

## Known Issues

- During the startup of Azul Zulu 6 on CentOS 8 (FIPS-compliant distributions only) and CentOS Stream 9, you may encounter errors due to missing `libnsl` libraries. As a workaround, you have to install `libnsl` manually for these platforms.

## IANA Time Zone Database version

This release of Azul Zulu comes with IANA Time Zone Database version 2021e.

## 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-2022-21277</a>	ImageIO	Multiple	Yes	5.3	Network	Low	None	None	Unchanged	None	None	Low	17, 15, 13, 11	Note 1
<a href="#">CVE-2022-21282</a>	JAXP	Multiple	Yes	5.3	Network	Low	None	None	Unchanged	Low	None	None	17, 15, 13, 11, 8, 7	Note 1
<a href="#">CVE-2022-21283</a>	Libraries	Multiple	Yes	5.3	Network	Low	None	None	Unchanged	None	None	Low	17, 15, 13, 11, 8, 7, 6	Note 1
<a href="#">CVE-2022-21291</a>	Hotspot	Multiple	Yes	5.3	Network	Low	None	None	Unchanged	None	Low	None	17, 15, 13, 11	Note 1
<a href="#">CVE-2022-21293</a>	Libraries	Multiple	Yes	5.3	Network	Low	None	None	Unchanged	None	None	Low	17, 15, 13, 11, 8, 7, 6	Note 1
<a href="#">CVE-2022-21294</a>	Libraries	Multiple	Yes	5.3	Network	Low	None	None	Unchanged	None	None	Low	17, 15, 13, 11, 8, 7, 6	Note 1
<a href="#">CVE-2022-21296</a>	JAXP	Multiple	Yes	5.3	Network	Low	None	None	Unchanged	Low	None	None	17, 15, 13, 11, 8, 7	Note 1
<a href="#">CVE-2022-21299</a>	JAXP	Multiple	Yes	5.3	Network	Low	None	None	Unchanged	None	None	Low	17, 15, 13, 11, 8, 7, 6	Note 1
<a href="#">CVE-2022-21305</a>	Hotspot	Multiple	Yes	5.3	Network	Low	None	None	Unchanged	None	Low	None	17, 15, 13, 11, 8, 7, 6	Note 1

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-2022-21340</a>	Libraries	Multiple	Yes	5.3	Network	Low	None	None	Unchanged	None	None	Low	17, 15, 13, 11, 8, 7, 6	Note 1
<a href="#">CVE-2022-21341</a>	Serialization	Multiple	Yes	5.3	Network	Low	None	None	Unchanged	None	None	Low	17, 15, 13, 11, 8, 7, 6	Note 1
<a href="#">CVE-2022-21349</a>	2D	Multiple	Yes	5.3	Network	Low	None	None	Unchanged	None	None	Low	8, 7	Note 1
<a href="#">CVE-2022-21360</a>	ImageIO	Multiple	Yes	5.3	Network	Low	None	None	Unchanged	None	None	Low	17, 15, 13, 11, 8, 7, 6	Note 1
<a href="#">CVE-2022-21365</a>	ImageIO	Multiple	Yes	5.3	Network	Low	None	None	Unchanged	None	None	Low	17, 15, 13, 11, 8, 7, 6	Note 1
<a href="#">CVE-2022-21366</a>	ImageIO	Multiple	Yes	5.3	Network	Low	None	None	Unchanged	None	None	Low	17, 15, 13, 11	Note 1
<a href="#">CVE-2022-21248</a>	Serialization	Multiple	Yes	3.7	Network	High	None	None	Unchanged	None	Low	None	17, 15, 13, 11, 8, 7, 6	Note 1
<a href="#">CVE-2021-22959</a>	Oracle GraalVM Enterprise Edition: Node (Node.js)	HTTP	Yes	6.5	Network	Low	None	None	Unchanged	Low	Low	None	None	
<a href="#">CVE-2022-21271</a>	Oracle GraalVM Enterprise Edition: Libraries	Multiple	Yes	5.3	Network	Low	None	None	Unchanged	None	None	Low	None	Note 1

Notes:

ID	Notes
1	This vulnerability applies to Java deployments, typically in clients running sandboxed Java applications, that load and run untrusted code (e.g., code that comes from the internet) and rely on the Java sandbox for security. This vulnerability can also be exploited by using APIs in the specified Component, e.g., through a web service which supplies data to the APIs.

Additional CVEs addressed: The updates that address CVE-2021-22959 also address CVE-2021-22960.

## 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-8279541</a>	11	Improve HarfBuzz	CPU
<a href="#">JDK-8274929</a>	17, 15, 13, 11, 8	Crash while reading specific clipboard content	CPU
<a href="#">JDK-8273968</a>	17, 15, 13, 11, 8, 7, 6	JCK javax_xml tests fail in CI	CPU
<a href="#">JDK-8273290</a>	17, 15, 13, 11, 8, 7, 6	Enhance sound handling	CPU
<a href="#">JDK-8272546</a>	17, 15, 13, 11, 8	Better TrueType font loading	CPU
<a href="#">JDK-8272462</a>	17, 15, 13, 11, 8, 7, 6	Enhance image handling	CPU
<a href="#">JDK-8272272</a>	17, 15, 13, 11, 8, 7, 6	Enhance jcmd communication	CPU
<a href="#">JDK-8271987</a>	17, 15, 13, 11, 8	Manifest improved manifest entries	CPU
<a href="#">JDK-8271968</a>	17, 15, 13, 11, 8, 7, 6	Better canonical naming	CPU
<a href="#">JDK-8271962</a>	17, 15, 13, 11, 8, 7, 6	Better TrueType font loading	CPU
<a href="#">JDK-8269944</a>	17, 15, 13, 11, 8, 7, 6	Better HTTP transport redux	CPU
<a href="#">JDK-8269151</a>	17, 15, 13, 11, 8, 7, 6	Better construction of EncryptedPrivateKeyInfo	CPU
<a href="#">JDK-8268801</a>	13, 11, 8, 7, 6	Improve PKCS attribute handling	CPU
<a href="#">JDK-8268795</a>	11, 8, 7, 6	Enhance digests of Jar files	CPU

OpenJDK Patch ID	Azul Zulu Version	Synopsis	CPU/PSU
<a href="#">JDK-8268512</a>	17, 15, 13, 11, 8, 7, 6	More content for ContentInfo	CPU
<a href="#">JDK-8268494</a>	17, 15, 13, 11, 8, 7, 6	Better inlining of inlined interfaces	CPU
<a href="#">JDK-8268488</a>	17, 15, 13, 11, 8, 7, 6	More valuable DerValues	CPU
<a href="#">JDK-8266091</a>	15, 13, 11	Improve Zip file handling	CPU

## OpenJDK Bug Fixes

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

OpenJDK Patch ID	Azul Zulu Version	Synopsis	CPU/PSU
<a href="#">JDK-8279541</a>	11	Improve HarfBuzz	CPU
<a href="#">JDK-8276536</a>	17, 15, 13, 11, 8, 7, 6	Update TimeZoneNames files to follow the changes made by JDK-8275766	CPU
<a href="#">JDK-8275849</a>	17, 15, 13, 11, 8, 7, 6	TestZoneInfo310.java fails with tzdata2021e	CPU
<a href="#">JDK-8275766</a>	17, 15, 13, 11, 8, 7, 6	(tz) Update Timezone Data to 2021e	CPU
<a href="#">JDK-8274468</a>	17, 15, 13, 11, 8, 7, 6	TimeZoneTest.java fails with tzdata2021b	CPU
<a href="#">JDK-8274467</a>	17, 15, 13, 11, 8, 7, 6	TestZoneInfo310.java fails with tzdata2021b	CPU
<a href="#">JDK-8274407</a>	17, 15, 13, 11, 8, 7, 6	(tz) Update Timezone Data to 2021c	CPU
<a href="#">JDK-8274096</a>	17, 15, 13, 11	Improve decoding of image files	CPU

OpenJDK Patch ID	Azul Zulu Version	Synopsis	CPU/PSU
<a href="#">JDK-8273968</a>	17, 15, 13, 11, 8, 7, 6	JCK javax_xml tests fail in CI	CPU
<a href="#">JDK-8273838</a>	17, 15, 13, 11, 8, 7, 6	Enhanced BMP processing	CPU
<a href="#">JDK-8273756</a>	17, 15, 13, 11, 8, 7, 6	Enhance BMP image support	CPU
<a href="#">JDK-8273748</a>	8, 7	Improve Solaris font rendering	CPU
<a href="#">JDK-8273308</a>	17, 15, 13, 11, 8, 7, 6	PatternMatchTest.java fails on CI	CPU
<a href="#">JDK-8273290</a>	17, 15, 13, 11, 8, 7, 6	Enhance sound handling	CPU
<a href="#">JDK-8272462</a>	17, 15, 13, 11, 8, 7, 6	Enhance image handling	CPU
<a href="#">JDK-8272272</a>	17, 15, 13, 11, 8, 7, 6	Enhance jcmd communication	CPU
<a href="#">JDK-8272236</a>	17, 15, 13, 11, 8, 7, 6	Improve serial forms for transport	CPU
<a href="#">JDK-8272026</a>	17, 15, 13, 11, 8, 7, 6	Verify Jar Verification	CPU
<a href="#">JDK-8272014</a>	17, 15, 13, 11, 8, 7, 6	Better array indexing	CPU
<a href="#">JDK-8271987</a>	17, 15, 13, 11, 8	Manifest improved manifest entries	CPU
<a href="#">JDK-8271968</a>	17, 15, 13, 11, 8, 7, 6	Better canonical naming	CPU
<a href="#">JDK-8271962</a>	17, 15, 13, 11, 8, 7, 6	Better TrueType font loading	CPU
<a href="#">JDK-8270952</a>	17, 15, 13, 11	Improve TIFF file handling	CPU

OpenJDK Patch ID	Azul Zulu Version	Synopsis	CPU/PSU
<a href="#">JDK-8270646</a>	17, 15, 13, 11, 8, 7, 6	Improved scanning of XML entities	CPU
<a href="#">JDK-8270498</a>	17, 15, 13, 11, 8, 7	Improve SAX Parser configuration management	CPU
<a href="#">JDK-8270416</a>	17, 15, 13, 11, 8, 7, 6	Enhance construction of Identity maps	CPU
<a href="#">JDK-8270392</a>	17, 15, 13, 11, 8, 7, 6	Improve String constructions	CPU
<a href="#">JDK-8270386</a>	17, 15, 13, 11	Better verification of scan methods	CPU
<a href="#">JDK-8269944</a>	17, 15, 13, 11, 8, 7, 6	Better HTTP transport redux	CPU
<a href="#">JDK-8269151</a>	17, 15, 13, 11, 8, 7, 6	Better construction of EncryptedPrivateKeyInfo	CPU
<a href="#">JDK-8268813</a>	17, 15, 13, 11, 8, 7, 6	Better String matching	CPU
<a href="#">JDK-8268801</a>	13, 11, 8, 7, 6	Improve PKCS attribute handling	CPU
<a href="#">JDK-8268795</a>	11, 8, 7, 6	Enhance digests of Jar files	CPU
<a href="#">JDK-8268512</a>	17, 15, 13, 11, 8, 7, 6	More content for ContentInfo	CPU
<a href="#">JDK-8268494</a>	17, 15, 13, 11, 8, 7, 6	Better inlining of inlined interfaces	CPU
<a href="#">JDK-8268488</a>	17, 15, 13, 11, 8, 7, 6	More valuable DerValues	CPU
<a href="#">JDK-8266545</a>	15, 13	8261169 broke Harfbuzz build with gcc 7 and 8	CPU
<a href="#">JDK-8266091</a>	15, 13, 11	Improve Zip file handling	CPU
<a href="#">JDK-8264934</a>	17, 15, 13, 11, 8, 7, 6	Enhance cross VM serialization	CPU



OpenJDK Patch ID	Azul Zulu Version	Synopsis	CPU/PSU
<a href="#">JDK-8261169</a>	15, 13	Upgrade HarfBuzz to the latest 2.8.0	CPU
<a href="#">JDK-8251329</a>	17, 15, 13, 11	(zipfs) Files.walkFileTree walks infinitely if zip has dir named "." inside	CPU
<a href="#">JDK-8250894</a>	15, 13	Provide a configure option to build and run against the platform libharfbuzz	CPU
<a href="#">JDK-8250605</a>	15, 13	Linux x86_32 builds fail after JDK-8249821	CPU
<a href="#">JDK-8249821</a>	15, 13	Separate libharfbuzz from libfontmanager	CPU
<a href="#">JDK-8247872</a>	15, 13	Upgrade HarfBuzz to the latest 2.7.2	CPU
<a href="#">JDK-8068427</a>	6	Hashtable deserialization reconstitutes table with wrong capacity	CPU
<a href="#">JDK-8059327</a>	6	XML parser returns corrupt attribute value	CPU
<a href="#">JDK-8055949</a>	6	ByteArrayOutputStream capacity should be maximal array size permitted by VM	CPU
<a href="#">JDK-8029955</a>	7, 6	AIOB in XMLEntityScanner.scanLiteral upon parsing literals with > 100 LF chars	CPU
<a href="#">JDK-6933217</a>	6	Huge arrays handled poorly in core libraries	CPU
<a href="#">JDK-8278416</a>	13	Crash during execution of ClassInitBarrier test	PSU
<a href="#">JDK-8277981</a>	17	String Deduplication table is never cleaned up due to bad dead_factor_for_cleanup	PSU
<a href="#">JDK-8277815</a>	11	Fix mistakes in legal header backports	PSU
<a href="#">JDK-8277529</a>	17, 11	SIGSEGV in C2 CompilerThread Node::rematerialize() compiling Packet::readUnsignedTrint	PSU
<a href="#">JDK-8277224</a>	17, 11	sun.security.pkcs.PKCS9Attributes.toString() throws NPE	PSU
<a href="#">JDK-8277212</a>	17	GC accidentally cleans valid megamorphic vtable inline caches	PSU

OpenJDK Patch ID	Azul Zulu Version	Synopsis	CPU/PSU
<a href="#">JDK-8277195</a>	17	missing CAccessibility definition in [CommonComponentAccessibility accessibilityHitTest]	PSU
<a href="#">JDK-8277159</a>	17	Fix java/nio/file/FileStore/Basic.java test by ignoring /run/user/* mount points	PSU
<a href="#">JDK-8277093</a>	17	Vector should throw ClassNotFoundException for a missing class of an element	PSU
<a href="#">JDK-8277029</a>	17, 11	JMM GetDiagnosticXXXInfo APIs should verify output array sizes	PSU
<a href="#">JDK-8276943</a>	11	Backout JDK-8274338 11u backport	PSU
<a href="#">JDK-8276927</a>	17	[ppc64] Port shenandoahgc to linux on ppc64le	PSU
<a href="#">JDK-8276905</a>	17	Use appropriate macosx_version_minimum value while compiling metal shaders	PSU
<a href="#">JDK-8276864</a>	17	Update boot JDKs to 17.0.1 in GHA	PSU
<a href="#">JDK-8276854</a>	17, 11	Windows GHA builds fail due to broken Cygwin	PSU
<a href="#">JDK-8276846</a>	17	JDK-8273416 is incomplete for UseSSE=1	PSU
<a href="#">JDK-8276845</a>	17	(fs) java/nio/file/spi/SetDefaultProvider.java fails on x86_32	PSU
<a href="#">JDK-8276805</a>	17	java/awt/print/PrinterJob/CheckPrivilege.java fails due to disabled SecurityManager	PSU
<a href="#">JDK-8276801</a>	17	gc/stress/CriticalNativeStress.java fails intermittently with Shenandoah	PSU
<a href="#">JDK-8276774</a>	17, 11	Cookie stored in CookieHandler not sent if user headers contain cookie	PSU
<a href="#">JDK-8276572</a>	17	Fake libsyslookup.so library causes tooling issues	PSU
<a href="#">JDK-8276550</a>	17, 11	Use SHA256 hash in build.tools.depend.Depend	PSU

OpenJDK Patch ID	Azul Zulu Version	Synopsis	CPU/PSU
<a href="#">JDK-8276306</a>	17	jdk/jshell/CustomInputToolBuilder.java fails intermittently on storage acquisition	PSU
<a href="#">JDK-8276205</a>	17	Shenandoah: CodeCache_lock should always be held for initializing code cache iteration	PSU
<a href="#">JDK-8276201</a>	17, 11	Shenandoah: Race results degenerated GC to enter wrong entry point	PSU
<a href="#">JDK-8276157</a>	17, 11	C2: Compiler stack overflow during escape analysis on Linux x86_32	PSU
<a href="#">JDK-8276139</a>	17, 11	TestJpsHostName.java not reliable, better to expand HostIdentifierCreate.java test	PSU
<a href="#">JDK-8276130</a>	17	Fix Github Actions of JDK17u to account for update version scheme	PSU
<a href="#">JDK-8276122</a>	17	Change openjdk project in jcheck to jdk-updates	PSU
<a href="#">JDK-8276112</a>	17	Inconsistent scalar replacement debug info at safepoints	PSU
<a href="#">JDK-8276105</a>	17	C2: Conv(D F)2(I L)Nodes::Ideal should handle rounding correctly	PSU
<a href="#">JDK-8276076</a>	17	Updating RE Configs for BUILD REQUEST 17.0.2+3	PSU
<a href="#">JDK-8276066</a>	17, 11	Reset LoopPercentProfileLimit for x86 due to suboptimal performance	PSU
<a href="#">JDK-8276025</a>	17	Hotspot's libsvm.so may conflict with user dependency	PSU
<a href="#">JDK-8275872</a>	17	Sync J2DBench run and analyze Makefile targets with build.xml	PSU
<a href="#">JDK-8275863</a>	17	Use encodeASCII for ASCII-compatible DoubleByte encodings	PSU
<a href="#">JDK-8275819</a>	17	[TableRowAccessibility accessibilityChildren] method is ineffective	PSU

OpenJDK Patch ID	Azul Zulu Version	Synopsis	CPU/PSU
<a href="#">JDK-8275811</a>	17	Incorrect instance to dispose	PSU
<a href="#">JDK-8275809</a>	17	crash in [CommonComponentAccessibility getCAccessible:withEnv:]	PSU
<a href="#">JDK-8275720</a>	17	CommonComponentAccessibility.createWithParent isWrapped causes mem leak	PSU
<a href="#">JDK-8275713</a>	11	TestDockerMemoryMetrics test fails on recent runc	PSU
<a href="#">JDK-8275703</a>	17	System.loadLibrary fails on Big Sur for libraries hidden from filesystem	PSU
<a href="#">JDK-8275666</a>	17	serviceability/jvmti/GetObjectSizeClass.java shouldn't have vm.flagless	PSU
<a href="#">JDK-8275604</a>	17	Zero: Reformat opclabels_data	PSU
<a href="#">JDK-8275426</a>	17	PretouchTask num_chunks calculation can overflow	PSU
<a href="#">JDK-8275302</a>	17	unexpected compiler error: cast, intersection types and sealed	PSU
<a href="#">JDK-8275226</a>	17	Shenandoah: Relax memory constraint for worker claiming tasks/ranges	PSU
<a href="#">JDK-8275145</a>	17	file.encoding system property has an incorrect value on Windows	PSU
<a href="#">JDK-8275131</a>	17, 11	Exceptions after a touchpad gesture on macOS	PSU
<a href="#">JDK-8275104</a>	17	IR framework does not handle client VM builds correctly	PSU
<a href="#">JDK-8275071</a>	17	[macos] A11y cursor gets stuck when combobox is closed	PSU
<a href="#">JDK-8275051</a>	17, 11	Shenandoah: Correct ordering of requested gc cause and gc request flag	PSU
<a href="#">JDK-8275049</a>	17	[ZGC] missing null check in ZNMethod::log_register	PSU

OpenJDK Patch ID	Azul Zulu Version	Synopsis	CPU/PSU
<a href="#">JDK-8275008</a>	17	gtest build failure due to stringop-overflow warning with gcc11	PSU
<a href="#">JDK-8274942</a>	17	AssertionError at jdk.compiler/com.sun.tools.javac.util.Assert.error( Assert.java:155)	PSU
<a href="#">JDK-8274860</a>	11	gcc 10.2.1 produces an uninitialized warning in sharedRuntimeTrig.cpp	PSU
<a href="#">JDK-8274851</a>	17	[ppc64] Port zgc to linux on ppc64le	PSU
<a href="#">JDK-8274848</a>	17	LambdaMetaFactory::metafactory on REF_invokeSpecial impl method has incorrect behavior	PSU
<a href="#">JDK-8274840</a>	17, 15, 13, 11	Update OS detection code to recognize Windows 11	PSU
<a href="#">JDK-8274779</a>	17, 15, 13, 11, 8	URLConnection: HttpClient and HttpClient incorrectly check request method when set to POST	PSU
<a href="#">JDK-8274773</a>	17, 11	[TESTBUG] UnsafeIntrinsicsTest intermittently fails on weak memory model platform	PSU
<a href="#">JDK-8274770</a>	17	[PPC64] resolve_object needs a generic implementation to support load barriers	PSU
<a href="#">JDK-8274736</a>	17	Concurrent read/close of SSLSockets causes SSLSessions to be invalidated unnecessarily	PSU
<a href="#">JDK-8274716</a>	17	JDWP Spec: the description for the Dispose command confuses suspend with resume.	PSU
<a href="#">JDK-8274642</a>	17, 11	jdk/jshell/CommandCompletionTest.java fails with NoSuchElementException after JDK-8271287	PSU
<a href="#">JDK-8274606</a>	17	Fix jaxp/javax/xml/jaxp/unittest/transform/Surrogate Test.java test	PSU

OpenJDK Patch ID	Azul Zulu Version	Synopsis	CPU/PSU
<a href="#">JDK-8274595</a>	8	DisableRMIOverHTTPTest failed: connection refused	PSU
<a href="#">JDK-8274560</a>	17	JFR: Add test for OldObjectSample event when using Shenandoah	PSU
<a href="#">JDK-8274550</a>	17	c2i entry barriers read int as long on PPC	PSU
<a href="#">JDK-8274523</a>	17	java/lang/management/MemoryMXBean/MemoryTest.java test should handle Shenandoah	PSU
<a href="#">JDK-8274522</a>	17, 11	java/lang/management/ManagementFactory/MXBeanException.java test fails with Shenandoah	PSU
<a href="#">JDK-8274521</a>	17	jdk/jfr/event/gc/detailed/TestGCLockerEvent.java fails when other GC is selected	PSU
<a href="#">JDK-8274501</a>	17, 15	c2i entry barriers read int as long on AArch64	PSU
<a href="#">JDK-8274435</a>	17, 15	EXCEPTION_ACCESS_VIOLATION in BFSClosure::closure_impl	PSU
<a href="#">JDK-8274406</a>	17	RunThese30M.java failed "assert(!LCA_orig $\mathbb{R}$ dominates(pred_block)    early $\mathbb{R}$ dominates(pred_block)) failed: early is high enough"	PSU
<a href="#">JDK-8274401</a>	17	C2: GraphKit::load_array_element bypasses Access API	PSU
<a href="#">JDK-8274383</a>	17	JNI call of getAccessibleSelection on a wrong thread	PSU
<a href="#">JDK-8274381</a>	17, 15, 13, 11	missing CAccessibility definitions in JNI code	PSU
<a href="#">JDK-8274349</a>	17	ForkJoinPool.commonPool() does not work with 1 CPU	PSU
<a href="#">JDK-8274347</a>	17	Passing a <b>nested</b> switch expression as a parameter causes an NPE during compile	PSU

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<a href="#">JDK-8274338</a>	17, 11	com/sun/jdi/RedefineCrossEvent.java failed "assert(m != __null) failed: NULL mirror"	PSU
<a href="#">JDK-8274329</a>	17, 11	Fix non-portable HotSpot code in MethodMatcher::parse_method_pattern	PSU
<a href="#">JDK-8274326</a>	17, 11	[macos] Ensure initialisation of sun/lwawt/macosx/CAccessibility in JavaComponentAccessibility.m	PSU
<a href="#">JDK-8274325</a>	17	C4819 warning at vm_version_x86.cpp on Windows after JDK-8234160	PSU
<a href="#">JDK-8274293</a>	17, 15, 13, 11	Build failure on macOS with Xcode 13.0 as vfork is deprecated	PSU
<a href="#">JDK-8274265</a>	17	Suspicious string concatenation in logTestUtils.inline.hpp	PSU
<a href="#">JDK-8274242</a>	17	Implement fast-path for ASCII-compatible CharsetEncoders on x86	PSU
<a href="#">JDK-8274215</a>	17	Remove globalsignr2ca root from 17.0.2	PSU
<a href="#">JDK-8274145</a>	17	C2: condition incorrectly made redundant with dominating main loop exit condition	PSU
<a href="#">JDK-8274087</a>	17	Windows DLL path not set correctly.	PSU
<a href="#">JDK-8274083</a>	17, 11	Update testing docs to mention tiered testing	PSU
<a href="#">JDK-8274074</a>	17	SIGFPE with C2 compiled code with -XX:+StressGCM	PSU
<a href="#">JDK-8274056</a>	17, 15, 13, 11	JavaAccessibilityUtilities leaks JNI objects	PSU
<a href="#">JDK-8274001</a>	15	Bump update version for OpenJDK: jdk-15.0.6	PSU
<a href="#">JDK-8274000</a>	13	Bump update version for OpenJDK: jdk-13.0.10	PSU
<a href="#">JDK-8273965</a>	17	some testlibrary_tests/ir_framework tests fail when c1 disabled	PSU

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<a href="#">JDK-8273961</a>	17, 11	jdk/nio/zipfs/ZipFSTester.java fails if file path contains '+' character	PSU
<a href="#">JDK-8273958</a>	17	gtest/MetaspaceGtests executes unnecessary tests in debug builds	PSU
<a href="#">JDK-8273935</a>	17	(zipfs) Files.getFileAttributeView() throws UOE instead of returning null when view not supported	PSU
<a href="#">JDK-8273924</a>	17, 11	ArrayIndexOutOfBoundsException thrown in java.util.JapaneseImperialCalendar.add()	PSU
<a href="#">JDK-8273902</a>	17	Memory leak in OopStorage due to bug in OopHandle::release()	PSU
<a href="#">JDK-8273894</a>	17, 11	ConcurrentModificationException raised every time ReferralsCache drops referral	PSU
<a href="#">JDK-8273887</a>	17	[macos] java/awt/color/ICC_ColorSpace/MTTransformReplacedProfile.java timed out	PSU
<a href="#">JDK-8273826</a>	17, 15, 11, 8	Correct Manifest file name and NPE checks	PSU
<a href="#">JDK-8273808</a>	17	Cleanup AddFontsToX11FontPath	PSU
<a href="#">JDK-8273807</a>	17	Zero: Drop incorrect test block from compiler/startup/NumCompilerThreadsCheck.java	PSU
<a href="#">JDK-8273806</a>	17	compiler/cpuflags/TestSSE4Disabled.java should test for CPU feature explicitly	PSU
<a href="#">JDK-8273795</a>	11	Zero SPARC64 debug builds fail due to missing interpreter fields	PSU
<a href="#">JDK-8273790</a>	17, 15, 13, 11	Potential cyclic dependencies between Gregorian and CalendarSystem	PSU
<a href="#">JDK-8273695</a>	17	Safepoint deadlock on VMOperation_lock	PSU
<a href="#">JDK-8273678</a>	17	TableAccessibility and TableRowAccessibility miss autorelease	PSU



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<a href="#">JDK-8273646</a>	17, 11	Add openssl from path variable also in to Default System Openssl Path in OpensslArtifactFetcher	PSU
<a href="#">JDK-8273638</a>	17	javax/swing/JTable/4235420/bug4235420.java fails in GTK L&F	PSU
<a href="#">JDK-8273614</a>	17	Shenandoah: intermittent timeout with ConcurrentGCBreakpoint tests	PSU
<a href="#">JDK-8273606</a>	17, 11	Zero: SPARC64 build fails with si_band type mismatch	PSU
<a href="#">JDK-8273595</a>	17	tools/jpackage tests do not work on apt-based Linux distros like Debian	PSU
<a href="#">JDK-8273593</a>	17	[REDO] Warn user when using mac-sign option with unsigned app-image.	PSU
<a href="#">JDK-8273592</a>	17	Backout JDK-8271868	PSU
<a href="#">JDK-8273575</a>	17, 15, 13	memory leak in appendBootClassPath(), paths must be deallocated	PSU
<a href="#">JDK-8273547</a>	11	[11u] [JVMCI] Partial module-info.java backport of JDK-8223332	PSU
<a href="#">JDK-8273541</a>	11	Cleaner Thread creates with normal priority instead of MAX_PRIORITY - 2	PSU
<a href="#">JDK-8273514</a>	17	java/util/DoubleStreamSums/CompensatedSums.java failure	PSU
<a href="#">JDK-8273505</a>	17	runtime/cds/appcds/loaderConstraints/DynamicLoaderConstraintsTest.java#default-cl crashed with SIGSEGV in MetaspaceShared::link_shared_classes	PSU
<a href="#">JDK-8273498</a>	17, 11	compiler/c2/Test7179138_1.java timed out	PSU
<a href="#">JDK-8273489</a>	17	Zero: Handle UseHeavyMonitors on all monitorenter paths	PSU

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<a href="#">JDK-8273487</a>	17	Zero: Handle "zero" variant in runtime tests	PSU
<a href="#">JDK-8273486</a>	17	Zero: Handle DiagnoseSyncOnValueBasedClasses VM option	PSU
<a href="#">JDK-8273483</a>	17	Zero: Clear pending JNI exception check in native method handler	PSU
<a href="#">JDK-8273451</a>	17	Remove unreachable return in mutexLocker::wait	PSU
<a href="#">JDK-8273450</a>	17	Fix the copyright header of SVML files	PSU
<a href="#">JDK-8273440</a>	17	Zero: Disable runtime/Unsafe/InternalErrorTest.java	PSU
<a href="#">JDK-8273416</a>	17	C2: assert(false) failed: bad AD file after JDK-8252372 with UseSSE={0,1}	PSU
<a href="#">JDK-8273408</a>	17	java.lang.AssertionError: typeSig ERROR on generated class property of record	PSU
<a href="#">JDK-8273378</a>	17	Shenandoah: Remove the remaining uses of os::is_MP	PSU
<a href="#">JDK-8273376</a>	17	Zero: Disable vtable/itableStub gtests	PSU
<a href="#">JDK-8273375</a>	17	Remove redundant 'new String' calls after concatenation in java.desktop	PSU
<a href="#">JDK-8273373</a>	17, 11	Zero: Cannot invoke JVM in primordial threads on Zero	PSU
<a href="#">JDK-8273361</a>	17	InfoOptsTest is failing in tier1	PSU
<a href="#">JDK-8273359</a>	17	CI: cilInstanceKlass::get_canonical_holder() doesn't respect instance size	PSU
<a href="#">JDK-8273342</a>	17, 11, 8	Null pointer dereference in classFileParser.cpp:2817	PSU
<a href="#">JDK-8273335</a>	17	compiler/blackhole tests should not run with interpreter-only VMs	PSU

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<a href="#">JDK-8273333</a>	17	Zero should warn about unimplemented -XX:+LogTouchedMethods	PSU
<a href="#">JDK-8273318</a>	17	Some containers/docker/TestJFREvents.java configs are running out of memory	PSU
<a href="#">JDK-8273315</a>	17	Parallelize and increase timeouts for java/foreign/TestMatrix.java test	PSU
<a href="#">JDK-8273314</a>	17, 11	Add tier4 test groups	PSU
<a href="#">JDK-8273278</a>	17	Support XSLT on GraalVM Native Image—deterministic bytecode generation in XSLT	PSU
<a href="#">JDK-8273235</a>	17, 11	tools/launcher/HelpFlagsTest.java Fails on Windows 32bit	PSU
<a href="#">JDK-8273234</a>	17	extended 'for' with expression of type tvar causes the compiler to crash	PSU
<a href="#">JDK-8273229</a>	17, 15, 13, 11	Update OS detection code to recognize Windows Server 2022	PSU
<a href="#">JDK-8273176</a>	17	handle latest VS2019 in abstract_vm_version	PSU
<a href="#">JDK-8273165</a>	17	GraphKit::combine_exception_states fails with "matching stack sizes" assert	PSU
<a href="#">JDK-8273135</a>	17	java/awt/color/ICC_ColorSpace/MTTransformReplacedProfile.java crashes in liblcms.dylib with NULLSeek+0x7	PSU
<a href="#">JDK-8273026</a>	17, 15, 13, 11	Slow LoginContext.login() on multi threading application	PSU
<a href="#">JDK-8273021</a>	17	C2: Improve Add and Xor ideal optimizations	PSU
<a href="#">JDK-8272973</a>	17	Incorrect compile command used by TestIllegalArrayCopyBeforeInfiniteLoop	PSU
<a href="#">JDK-8272970</a>	17	Parallelize runtime/InvocationTests/	PSU

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<a href="#">JDK-8272966</a>	11	test/jdk/java/awt/Robot/FlushCurrentEvent.java fails by timeout	PSU
<a href="#">JDK-8272914</a>	17, 11	Create hotspot:tier2 and hotspot:tier3 test groups	PSU
<a href="#">JDK-8272902</a>	11	Bump update version for OpenJDK: jdk-11.0.14	PSU
<a href="#">JDK-8272859</a>	17	Javadoc external links should only have feature version number in URL	PSU
<a href="#">JDK-8272856</a>	17	DoubleFlagWithIntegerValue uses G1GC-only flag	PSU
<a href="#">JDK-8272854</a>	17	split runtime/CommandLine/PrintTouchedMethods.java test	PSU
<a href="#">JDK-8272850</a>	17, 11	Drop zapping values in the Zap* option descriptions	PSU
<a href="#">JDK-8272846</a>	17	Move some runtime/Metaspace/elastic/ tests out of tier1	PSU
<a href="#">JDK-8272838</a>	17	Move CriticalJNI tests out of tier1	PSU
<a href="#">JDK-8272836</a>	17, 11	Limit run time for java/lang/invoke/LFCaching tests	PSU
<a href="#">JDK-8272828</a>	11	Add correct licenses to jszip.md	PSU
<a href="#">JDK-8272783</a>	17, 11	Epsilon: Refactor tests to improve performance	PSU
<a href="#">JDK-8272720</a>	17, 11	Fix the implementation of loop unrolling heuristic with LoopPercentProfileLimit	PSU
<a href="#">JDK-8272703</a>	17	StressSeed should be set via FLAG_SET_ERGO	PSU
<a href="#">JDK-8272639</a>	17	jpackaged applications using microphone on mac	PSU
<a href="#">JDK-8272574</a>	17, 11	C2: assert(false) failed: Bad graph detected in build_loop_late	PSU
<a href="#">JDK-8272570</a>	17, 11	C2: crash in PhaseCFG::global_code_motion	PSU

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<a href="#">JDK-8272562</a>	17	C2: assert(false) failed: Bad graph detected in build_loop_late	PSU
<a href="#">JDK-8272473</a>	17	Parsing epoch seconds at a DST transition with a non-UTC parser is wrong	PSU
<a href="#">JDK-8272413</a>	17	Incorrect num of element count calculation for vector cast	PSU
<a href="#">JDK-8272391</a>	17	Undeleted debug information	PSU
<a href="#">JDK-8272369</a>	17	java/io/File/GetXSpace.java failed with "RuntimeException: java.nio.file.NoSuchFileException: /run/user/0"	PSU
<a href="#">JDK-8272345</a>	17	macos doesn't check <code>os::set_boot_path()</code> result	PSU
<a href="#">JDK-8272342</a>	17, 11, 8	[TEST_BUG] java/awt/print/PrinterJob/PageDialogMarginTest.java catches all exceptions	PSU
<a href="#">JDK-8272335</a>	17	runtime/cds/appcds/MoveJDKTest.java doesn't check exit codes	PSU
<a href="#">JDK-8272328</a>	17	java.library.path is not set properly by Windows jpackage app launcher	PSU
<a href="#">JDK-8272318</a>	17, 11	Improve performance of HeapDumpAllTest	PSU
<a href="#">JDK-8272316</a>	11	Wrong Boot JDK help message in 11	PSU
<a href="#">JDK-8272305</a>	17	several hotspot runtime/modules don't check exit codes	PSU
<a href="#">JDK-8272181</a>	11	Windows-AArch64:Backport fix of <code>Backtracing broken on PAC enabled systems</code>	PSU
<a href="#">JDK-8272180</a>	11	Upgrade JSZip from v3.6.0 to v3.7.1	PSU
<a href="#">JDK-8272170</a>	17	Missing memory barrier when checking active state for regions	PSU

OpenJDK Patch ID	Azul Zulu Version	Synopsis	CPU/PSU
<a href="#">JDK-8272162</a>	8	S4U2Self ticket without forwardable flag	PSU
<a href="#">JDK-8272114</a>	17	Unused _last_state in osThread_windows	PSU
<a href="#">JDK-8272047</a>	17	java/nio/channels/FileChannel/Transfer2GPlus.java failed with Unexpected transfer size: 2147418112	PSU
<a href="#">JDK-8271954</a>	17	C2: assert(false) failed: Bad graph detected in build_loop_late	PSU
<a href="#">JDK-8271868</a>	17	Warn user when using mac-sign option with unsigned app-image.	PSU
<a href="#">JDK-8271862</a>	17	C2 intrinsic for Reference.refersTo() is often not used	PSU
<a href="#">JDK-8271855</a>	17	[TESTBUG] Wrong weakCompareAndSet assumption in UnsafeIntrinsicsTest	PSU
<a href="#">JDK-8271722</a>	17	[TESTBUG] gc/g1/TestMixedGCLiveThreshold.java can fail if G1 Full GC uses >1 workers	PSU
<a href="#">JDK-8271718</a>	17	Crash when during color transformation the color profile is replaced	PSU
<a href="#">JDK-8271605</a>	17	Update JMH devkit to 1.32	PSU
<a href="#">JDK-8271600</a>	17	C2: CheckCastPP which should closely follow Allocate is sunk of a loop	PSU
<a href="#">JDK-8271567</a>	17, 11	AArch64: AES Galois CounterMode (GCM) interleaved implementation using vector instructions	PSU
<a href="#">JDK-8271560</a>	17, 11	sun/security/ssl/DHKeyExchange/LegacyDHEKeyExchange.java still fails due to "An established connection was aborted by the software in your host machine"	PSU
<a href="#">JDK-8271490</a>	17, 11	[ppc] [s390]: Crash in JavaThread::pd_get_top_frame_for_profiling	PSU

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<a href="#">JDK-8271463</a>	17	Updating RE Configs for Upcoming CPU Release 17.0.2 on master branch for jdk17u-cpu and jdk17u-cpu-open repos.	PSU
<a href="#">JDK-8271459</a>	17, 11	C2: Missing NegativeArraySizeException when creating StringBuilder with negative capacity	PSU
<a href="#">JDK-8271341</a>	17, 11	Opcodes() != Op_If && Opcodes() != Op_RangeCheck)    outcnt() == 2 assert failure with Test7179138_1.java	PSU
<a href="#">JDK-8271340</a>	17, 11	Crash PhaseldealLoop::clone_outer_loop	PSU
<a href="#">JDK-8271323</a>	17	[TESTBUG] serviceability/sa/ClhsdbCDSCore.java fails with -XX:TieredStopAtLevel=1	PSU
<a href="#">JDK-8271315</a>	17	Redo: Nimbus JTree renderer properties persist across L&F changes	PSU
<a href="#">JDK-8271308</a>	17	(fc) FileChannel.transferTo() transfers no more than Integer.MAX_VALUE bytes in one call	PSU
<a href="#">JDK-8271287</a>	17, 11	jdk/jshell/CommandCompletionTest.java fails with "lists don't have the same size expected"	PSU
<a href="#">JDK-8271254</a>	17	javac generates unreachable code when using empty semicolon statement	PSU
<a href="#">JDK-8271215</a>	17	Fix data races in G1PeriodicGCTask	PSU
<a href="#">JDK-8271170</a>	17	Add unit test for what jpackage app launcher puts in the environment	PSU
<a href="#">JDK-8271142</a>	17	package help is not displayed for missing X11/extensions/Xrandr.h	PSU
<a href="#">JDK-8271121</a>	17	ZGC: stack overflow (segv) when -Xlog:gc+start=debug	PSU
<a href="#">JDK-8271071</a>	17	accessibility of a table on macOS lacks cell navigation	PSU

OpenJDK Patch ID	Azul Zulu Version	Synopsis	CPU/PSU
<a href="#">JDK-8270946</a>	17	X509CertImpl.getFingerprint should not return the empty String	PSU
<a href="#">JDK-8270901</a>	17	Typo PHASE_CPP in CompilerPhaseType	PSU
<a href="#">JDK-8270886</a>	17, 11	Crash in PhaseldealLoop::verify_strip_mined_scheduling	PSU
<a href="#">JDK-8270517</a>	17, 11	Add Zero support for LoongArch	PSU
<a href="#">JDK-8270320</a>	17	JDK-8270110 committed invalid copyright headers	PSU
<a href="#">JDK-8270290</a>	17, 11	NTPM authentication fails if HEAD request is used	PSU
<a href="#">JDK-8270171</a>	17	Shenandoah: Cleanup TestStringDedup and TestStringDedupStress tests	PSU
<a href="#">JDK-8270116</a>	17, 11	Expand GroupLayoutTraversalTest.java to run in all LaFs, including Aqua on macOS	PSU
<a href="#">JDK-8270110</a>	17	Shenandoah: Add test for JDK-8269661	PSU
<a href="#">JDK-8269984</a>	11	[macos] JTabbedPane title looks like disabled	PSU
<a href="#">JDK-8269951</a>	17, 11	[macos] Focus not painted in JButton when setBorderPainted(false) is invoked	PSU
<a href="#">JDK-8269924</a>	17	Shenandoah: Introduce weak/strong marking asserts	PSU
<a href="#">JDK-8269768</a>	11	JFR Terminology Refresh	PSU
<a href="#">JDK-8269687</a>	17	pauth_aarch64.hpp include name is incorrect	PSU
<a href="#">JDK-8269656</a>	17, 11	The test test/langtools/tools/javac/versions/Versions.java has duplicate test cycles	PSU
<a href="#">JDK-8269637</a>	17	javax/swing/JFileChooser/FileSystemView/SystemIconTest.java fails on windows	PSU
<a href="#">JDK-8269481</a>	17	SctpMultiChannel never releases own file descriptor	PSU



OpenJDK Patch ID	Azul Zulu Version	Synopsis	CPU/PSU
<a href="#">JDK-8269426</a>	11	Rename test/jdk/java/lang/invoke/t8150782 to accessClassAndFindClass	PSU
<a href="#">JDK-8269280</a>	17	(bf) Replace StringBuffer in *Buffer.toString()	PSU
<a href="#">JDK-8269269</a>	17	[macos11] SystemIconTest fails with ClassCastException	PSU
<a href="#">JDK-8269216</a>	17	Useless initialization in com/sun/crypto/provider/PBES2Parameters.java	PSU
<a href="#">JDK-8269179</a>	15	Crash in TestMacroLogicVector::testSubWordBoolean: assert(_base >= VectorMask && _base < VectorZ) failed: Not a Vector	PSU
<a href="#">JDK-8269113</a>	17	Javac throws when compiling switch (null)	PSU
<a href="#">JDK-8269034</a>	11	AccessControlException for SunPKCS11 daemon threads	PSU
<a href="#">JDK-8269031</a>	17	linux x86_64 check for binutils 2.25 or higher after 8265783	PSU
<a href="#">JDK-8268927</a>	17	Windows: link error: unresolved external symbol "int __cdecl convert_to_unicode(char const *,wchar_t **)"	PSU
<a href="#">JDK-8268894</a>	17	forged ASTs can provoke an AIOOBE at com.sun.tools.javac.jvm.ClassWriter::writePosition	PSU
<a href="#">JDK-8268893</a>	17	jcmm to trim the glibc heap	PSU
<a href="#">JDK-8268885</a>	17	duplicate checkcast when destination type is not first type of intersection type	PSU
<a href="#">JDK-8268882</a>	17	C2: assert(n<outcnt() != 0    C<top() == n    n<is_Proj()) failed: No dead instructions after post-alloc	PSU
<a href="#">JDK-8268860</a>	17	Windows-Aarch64 build is failing in GitHub actions	PSU

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<a href="#">JDK-8268672</a>	11	C2: assert(!loop.is_member(u_loop)) failed: can be in outer loop or out of both loops only	PSU
<a href="#">JDK-8268626</a>	17	Remove native pre-jdk9 support for jreg failure handler	PSU
<a href="#">JDK-8268555</a>	11	Update HttpClient tests that use ITestContext to jreg 6+1	PSU
<a href="#">JDK-8268464</a>	17	Remove dependency of TestHttpsServer, HttpTransaction, HttpCallback from open/test/jdk/sun/net/www/protocol/https/ tests	PSU
<a href="#">JDK-8268457</a>	17	XML Transformer outputs Unicode supplementary character incorrectly to HTML	PSU
<a href="#">JDK-8268361</a>	17	Fix the infinite loop in next_line	PSU
<a href="#">JDK-8268294</a>	17	Reusing HttpClient in a WebSocket.Listener hangs.	PSU
<a href="#">JDK-8268284</a>	17	javax/swing/JComponent/7154030/bug7154030.java fails with "Exception: Failed to hide opaque button"	PSU
<a href="#">JDK-8268093</a>	11	Manual Testcase: "sun/security/krb5/config/native/TestDynamicStore.java" Fails with NPE	PSU
<a href="#">JDK-8267388</a>	17	Create implementation for NSAccessibilityTable protocol	PSU
<a href="#">JDK-8267387</a>	17	Create implementation for NSAccessibilityOutline protocol	PSU
<a href="#">JDK-8267385</a>	17	Create NSAccessibilityElement implementation for JavaComponentAccessibility	PSU
<a href="#">JDK-8267304</a>	11	Bump global JReg memory limit to 768m	PSU
<a href="#">JDK-8267256</a>	17, 11	Extend minimal retry for loopback connections on Windows to PlainSocketImpl	PSU

OpenJDK Patch ID	Azul Zulu Version	Synopsis	CPU/PSU
<a href="#">JDK-8267246</a>	11	-XX:MaxRAMPercentage=0 is unreasonable for jtreg tests on many-core machines	PSU
<a href="#">JDK-8266988</a>	17	compiler/jvmci/compilerToVM/IsMatureTest.java fails with Unexpected isMature state for multiple times invoked method: expected false to equal true	PSU
<a href="#">JDK-8266949</a>	15, 13, 11	Check possibility to disable OperationTimedOut on Unix	PSU
<a href="#">JDK-8266579</a>	11, 8	Update test/jdk/java/lang/ProcessHandle/PermissionTest.java & test/jdk/java/sql/testng/util/TestPolicy.java	PSU
<a href="#">JDK-8266510</a>	17	Nimbus JTree default tree cell renderer does not use selected text color	PSU
<a href="#">JDK-8266239</a>	17	Some duplicated javac command-line options have repeated effect	PSU
<a href="#">JDK-8265524</a>	11	Upgrading JSZip from v3.2.2 to v3.6.0	PSU
<a href="#">JDK-8265019</a>	11, 8	Update tests for additional TestNG test permissions	PSU
<a href="#">JDK-8264824</a>	11	java/net/Inet6Address/B6206527.java doesn't close ServerSocket properly	PSU
<a href="#">JDK-8264526</a>	11	javax/swing/text/html/parser/Parser/8078268/bug8078268.java timeout	PSU
<a href="#">JDK-8264303</a>	17	Create implementation for NSAccessibilityTabGroup protocol peer	PSU
<a href="#">JDK-8264298</a>	17	Create implementation for NSAccessibilityRow protocol peer	PSU
<a href="#">JDK-8264297</a>	17	Create implementation for NSAccessibilityProgressIndicator protocol peer	PSU
<a href="#">JDK-8264296</a>	17	Create implementation for NSAccessibilityPopUpButton protocol peer	PSU

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<a href="#">JDK-8264295</a>	17	Create implementation for NSAccessibilityMenuItem protocol peer	PSU
<a href="#">JDK-8264294</a>	17	Create implementation for NSAccessibilityMenuBar protocol peer	PSU
<a href="#">JDK-8264293</a>	17	Create implementation for NSAccessibilityMenu protocol peer	PSU
<a href="#">JDK-8264292</a>	17	Create implementation for NSAccessibilityList protocol peer	PSU
<a href="#">JDK-8264291</a>	17	Create implementation for NSAccessibilityCell protocol peer	PSU
<a href="#">JDK-8264287</a>	17	Create implementation for NSAccessibilityComboBox protocol peer	PSU
<a href="#">JDK-8264286</a>	17	Create implementation for NSAccessibilityColumn protocol peer	PSU
<a href="#">JDK-8263897</a>	11	compiler/c2/aarch64/TestVolatilesSerial.java failed with "java.lang.RuntimeException: Wrong method"	PSU
<a href="#">JDK-8263773</a>	17, 11	Reenable German localization for builds at Oracle	PSU
<a href="#">JDK-8263375</a>	17	Support stack watermarks in Zero VM	PSU
<a href="#">JDK-8263364</a>	17	sun/net/www/http/KeepAliveStream/KeepAliveStreamCloseWithWrongContentLength.java wedged in getInputStream	PSU
<a href="#">JDK-8263362</a>	11	Avoid division by 0 in java/awt/font/TextJustifier.java justify	PSU
<a href="#">JDK-8263303</a>	11	C2 compilation fails with assert(found_sfpt) failed: no node in loop that's not input to safepoint	PSU
<a href="#">JDK-8263068</a>	11	Rename safefetch.hpp to safefetch.inline.hpp	PSU

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<a href="#">JDK-8263059</a>	17, 11	security/infra/java/security/cert/CertPathValidator/certification/ComodoCA.java fails due to revoked cert	PSU
<a href="#">JDK-8262844</a>	11	(fs) FileStore.supportsFileAttributeView might return false negative in case of ext3	PSU
<a href="#">JDK-8262438</a>	11	sun/security/ssl/SSLLogger/LoggingFormatConsistency.java failed with "SocketException: Socket is closed"	PSU
<a href="#">JDK-8262316</a>	15	Reducing locks in RSA Blinding	PSU
<a href="#">JDK-8262095</a>	17	NPE in Flow\$FlowAnalyzer.visitApply: Cannot invoke getThrownTypes because tree.meth.type is null	PSU
<a href="#">JDK-8262031</a>	17	Create implementation for NSAccessibilityNavigableStaticText protocol	PSU
<a href="#">JDK-8261916</a>	11	gtest/GTestWrapper.java vmErrorTest.unimplemented1_vm_assert failed	PSU
<a href="#">JDK-8261661</a>	11	gc/stress/TestReclaimStringsLeaksMemory.java fails because Reserved memory size is too big	PSU
<a href="#">JDK-8261579</a>	17	AArch64: Support for weaker memory ordering in Atomic	PSU
<a href="#">JDK-8261297</a>	11	NMT: Final report should use scale 1	PSU
<a href="#">JDK-8261075</a>	11	Create stubRoutines.inline.hpp with SafeFetch implementation	PSU
<a href="#">JDK-8261071</a>	11	AArch64: Refactor interpreter native wrappers	PSU
<a href="#">JDK-8261036</a>	11	Reduce classes loaded by CleanerFactory initialization	PSU
<a href="#">JDK-8260690</a>	11	JConsole User Guide Link from the Help menu is not accessible by keyboard	PSU

OpenJDK Patch ID	Azul Zulu Version	Synopsis	CPU/PSU
<a href="#">JDK-8260571</a>	11	Add PrintMetaspaceStatistics to print metaspace statistics upon VM exit	PSU
<a href="#">JDK-8259237</a>	11	Demo selection changes with left/right arrow key. No need to press space for selection.	PSU
<a href="#">JDK-8258855</a>	11	Two tests sun/security/krb5/auto/ReplayCacheTestProc.java and ReplayCacheTestProcWithMD5.java failed on OL8.3	PSU
<a href="#">JDK-8258457</a>	11	testlibrary_tests/ctw/JarDirTest.java fails with InvalidPathException on windows	PSU
<a href="#">JDK-8256956</a>	11	RegisterImpl::max_slots_per_register is incorrect on AMD64	PSU
<a href="#">JDK-8256372</a>	11	[macos] Unexpected symbol was displayed on JTextField with Monospaced font	PSU
<a href="#">JDK-8256202</a>	11	Some tweaks for jarsigner tests PosixPermissionsTest and SymLinkTest	PSU
<a href="#">JDK-8256201</a>	11	java/awt/FullScreen/FullscreenWindowProps/FullscreenWindowProps.java failed	PSU
<a href="#">JDK-8256182</a>	11	Update qemu-debootstrap cross-compilation recipe	PSU
<a href="#">JDK-8256152</a>	11	tests fail because of ambiguous method resolution	PSU
<a href="#">JDK-8256066</a>	15, 11	Tests use deprecated TestNG API that is no longer available in new versions	PSU
<a href="#">JDK-8256009</a>	11	Remove src/hotspot/share/adlc/Test/i486.ad	PSU
<a href="#">JDK-8255722</a>	11	Create a new test for rotated blit	PSU
<a href="#">JDK-8255264</a>	11	Support for identifying the full range of IPv4 localhost addresses on Windows	PSU

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<a href="#">JDK-8255227</a>	11	java/net/httpclient/FlowAdapterPublisherTest.java intermittently failing with TestServer: start exception: java.io.IOException: Invalid preface	PSU
<a href="#">JDK-8254802</a>	11	ThrowingPushPromisesAsStringCustom.java fails in "try throwing in GET_BODY"	PSU
<a href="#">JDK-8253866</a>	11	Security Libs Terminology Refresh	PSU
<a href="#">JDK-8253763</a>	11	ParallelObjectIterator should have virtual destructor	PSU
<a href="#">JDK-8253702</a>	15, 13	BigSur version number reported as 10.16, should be 11.nn	PSU
<a href="#">JDK-8253682</a>	11	The AppletInitialFocusTest1.java is unstable	PSU
<a href="#">JDK-8253497</a>	11	Core Libs Terminology Refresh	PSU
<a href="#">JDK-8253421</a>	15	Initialize JFR trace-IDs with zero	PSU
<a href="#">JDK-8253147</a>	11	The javax/swing/JPopupMenu/7154841/bug7154841.java fail on big screens	PSU
<a href="#">JDK-8252114</a>	11	Windows-AArch64: Enable and test ZGC and ShenandoahGC	PSU
<a href="#">JDK-8252051</a>	11	Make mlvmJvmtiUtils strncpy uses GCC 10.x friendly	PSU
<a href="#">JDK-8252049</a>	11	Native memory leak in ciMethodData ctor	PSU
<a href="#">JDK-8251570</a>	11	JDK-8215624 causes assert(worker_id < _n_workers) failed: Invalid worker_id	PSU
<a href="#">JDK-8251377</a>	11	[macos11] JTabbedPane selected tab text is barely legible	PSU
<a href="#">JDK-8251155</a>	11	HostIdentifier fails to canonicalize hostnames starting with digits	PSU

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<a href="#">JDK-8250888</a>	11	nsk/jvmti/scenarios/general_functions/GF08/gf08t001/TestDriver.java fails	PSU
<a href="#">JDK-8250863</a>	11	Build error with GCC 10 in NetworkInterface.c and k_standard.c	PSU
<a href="#">JDK-8250839</a>	11	Improve test template SSLEngineTemplate with SSLContextTemplate	PSU
<a href="#">JDK-8250810</a>	11	Push missing parts of JDK-8248817	PSU
<a href="#">JDK-8250521</a>	11	Configure initial RTO to use minimal retry for loopback connections on Windows	PSU
<a href="#">JDK-8249195</a>	11	Change to Xcode 11.3.1 for building on MacOS at Oracle	PSU
<a href="#">JDK-8248865</a>	15	Document JNDI/LDAP timeout properties	PSU
<a href="#">JDK-8248187</a>	11	[TESTBUG] javax/swing/plaf/basic/BasicGraphicsUtils/8132119/bug8132119.java fails with String is not properly drawn	PSU
<a href="#">JDK-8247510</a>	11	typo in IllegalHandshakeMessage	PSU
<a href="#">JDK-8247403</a>	11	JShell: No custom input (e.g. from GUI) possible with JavaShellToolBuilder	PSU
<a href="#">JDK-8246807</a>	11	Incorrect copyright header in TimeZoneDatePermissionCheck.sh	PSU
<a href="#">JDK-8246114</a>	11	java/net/MulticastSocket/Promiscuous.java fails after 8241072 (multi-homed systems)	PSU
<a href="#">JDK-8245665</a>	11	Test WeakAlg.java should only make sure no warning for weak signature algorithms by keytool on root CA	PSU
<a href="#">JDK-8245165</a>	11	Update bug id for javax/swing/text/StyledEditorKit/4506788/bug4506788.java in ProblemList	PSU



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<a href="#">JDK-8245147</a>	11	Refactor and improve utility of test/langtools/tools/javac/versions/Versions.java	PSU
<a href="#">JDK-8244675</a>	17	assert(IncrementalInline    (_late_inlines.length() == 0 && !has_mh_late_inlines()))	PSU
<a href="#">JDK-8244292</a>	11	Headful clients failing with --illegal-access=deny	PSU
<a href="#">JDK-8242526</a>	11	PIT: javax/swing/JInternalFrame/8020708/bug8020708.java fails in mach5 ubuntu system	PSU
<a href="#">JDK-8242044</a>	11	Add basic HTTP/1.1 support to the HTTP/2 Test Server	PSU
<a href="#">JDK-8241087</a>	13	Build failure with VS 2019 (16.5.0) due to C2039 and C2873	PSU
<a href="#">JDK-8240256</a>	11	Better resource cleaning for SunPKCS11 Provider	PSU
<a href="#">JDK-8239886</a>	8	Minimal VM build fails after JDK-8237499	PSU
<a href="#">JDK-8239827</a>	11	The test OpenByUNCPathNameTest.java should be changed to be manual	PSU
<a href="#">JDK-8239422</a>	11	[TESTBUG] compiler/c1/TestPrintIRDuringConstruction.java failed when C1 is disabled	PSU
<a href="#">JDK-8239334</a>	13, 11	Tab Size does not work correctly in JTextArea with setLineWrap on	PSU
<a href="#">JDK-8238932</a>	13	Invalid tier1_gc_1 test group definition	PSU
<a href="#">JDK-8238677</a>	11	java/net/httpclient/ssltest/CertificateTest.java should not specify TLS version	PSU
<a href="#">JDK-8238649</a>	17	Call new Win32 API SetThreadDescription in os::set_native_thread_name	PSU
<a href="#">JDK-8238448</a>	13	RSASSA-PSS signature verification fail when using certain odd key sizes	PSU

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<a href="#">JDK-8237589</a>	11	Fix copyright header formatting	PSU
<a href="#">JDK-8237499</a>	8	JFR: Include stack trace in the ThreadStart event	PSU
<a href="#">JDK-8237354</a>	11	Add option to jcmd to write a gzipped heap dump	PSU
<a href="#">JDK-8236596</a>	11	HttpClient leaves HTTP/2 sockets in CLOSE_WAIT, when using proxy tunnel	PSU
<a href="#">JDK-8236177</a>	11	assert(status == 0) failed: error ETIMEDOUT(60), cond_wait	PSU
<a href="#">JDK-8236042</a>	11	[TESTBUG] serviceability/sa/ClhsdbCDSCore.java fails with -Xcomp -XX:TieredStopAtLevel=1	PSU
<a href="#">JDK-8235784</a>	11	java/lang/invoke/VarHandles/VarHandleTestByteArrayAsInt.java fails due to timeout with fastdebug bits	PSU
<a href="#">JDK-8234823</a>	11	java/net/Socket/Timeouts.java testcase testTimedConnect2() fails on Windows 10	PSU
<a href="#">JDK-8234802</a>	11	[TESTBUG] Test Right Mouse Button Drag Gesture Recognition in all the platforms	PSU
<a href="#">JDK-8233647</a>	11	[TESTBUG] JColorChooser/Test8051548.java is failing on macos	PSU
<a href="#">JDK-8233644</a>	11	[TESTBUG] JInternalFrame test bug8020708.java is failing on macos	PSU
<a href="#">JDK-8233643</a>	11	[TESTBUG] JMenu test bug4515762.java fails on macos	PSU
<a href="#">JDK-8233642</a>	11	[TESTBUG] JMenuBar test bug 4750590.java fails on macos	PSU
<a href="#">JDK-8233641</a>	11	[TESTBUG] JMenuItem test bug4171437.java fails on macos	PSU
<a href="#">JDK-8233638</a>	11	[TESTBUG] Swing test ScreenMenuBarInputTwice.java fails on macos	PSU

OpenJDK Patch ID	Azul Zulu Version	Synopsis	CPU/PSU
<a href="#">JDK-8233637</a>	11	[TESTBUG] Swing ActionListenerCalledTwiceTest.java fails on macos	PSU
<a href="#">JDK-8233635</a>	11	[TESTBUG] ProgressMonitorEscapeKeyPress.java fails on macos	PSU
<a href="#">JDK-8233634</a>	11	[TESTBUG] Swing text test bug4278839.java fails on macos	PSU
<a href="#">JDK-8233570</a>	11	[TESTBUG] HTMLToolkit test bug5043626.java is failing on macos	PSU
<a href="#">JDK-8233569</a>	11	[TESTBUG] JTextComponent test bug6361367.java fails on macos	PSU
<a href="#">JDK-8233567</a>	11	[TESTBUG] FocusSubRequestTest.java fails on macos	PSU
<a href="#">JDK-8233566</a>	11	[TESTBUG] KeyboardFocusManager tests failing on MacoS	PSU
<a href="#">JDK-8233564</a>	11	[TESTBUG] MouseComboBoxTest.java is failing	PSU
<a href="#">JDK-8233562</a>	11	[TESTBUG] Swing StyledEditorKit test bug4506788.java fails on MacOS	PSU
<a href="#">JDK-8233561</a>	11	[TESTBUG] Swing text test bug8014863.java fails on macos	PSU
<a href="#">JDK-8233560</a>	11	[TESTBUG] ToolTipManager/Test6256140.java is failing on macos	PSU
<a href="#">JDK-8233559</a>	11	[TESTBUG] TestNimbusOverride.java is failing on macos	PSU
<a href="#">JDK-8233556</a>	11	[TESTBUG] JPopupMenu tests fail on MacOS	PSU
<a href="#">JDK-8233555</a>	11	[TESTBUG] JRadioButton tests failing on MacoS	PSU
<a href="#">JDK-8233553</a>	11	[TESTBUG] JSpinner test bug4973721.java fails on MacOS	PSU

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<a href="#">JDK-8233552</a>	11	[TESTBUG] JTable Test bug7068740.java fails on MacOS	PSU
<a href="#">JDK-8233550</a>	11	[TESTBUG] JTree tests fail regularly on MacOS	PSU
<a href="#">JDK-8233403</a>	11	Improve verbosity of some httpclient tests	PSU
<a href="#">JDK-8233020</a>	17	(fs) UnixFileSystemProvider should use StaticProperty.userDir().	PSU
<a href="#">JDK-8231501</a>	11	VM crash in MethodData::clean_extra_data(CleanExtraDataClosure*): fatal error: unexpected tag 99	PSU
<a href="#">JDK-8230307</a>	13	ZGC: Make zGlobals and zArguments OS agnostic	PSU
<a href="#">JDK-8230228</a>	11	[TESTBUG] Several runtime/ErrorHandling tests may fail on some platforms	PSU
<a href="#">JDK-8230067</a>	11	Add optional automatic retry when running jtreg tests	PSU
<a href="#">JDK-8230019</a>	11	[REDO] compiler/types/correctness/* tests fail with "assert(recv == __null    recv->is_klass()) failed: wrong type"	PSU
<a href="#">JDK-8229935</a>	11	[TEST_BUG]: bug8132119.java inconsistently positions text	PSU
<a href="#">JDK-8228508</a>	11	[TESTBUG] java/net/httpclient/SmokeTest.java fails on Windows7	PSU
<a href="#">JDK-8228442</a>	11	DHKeyExchange/LegacyDHEKeyExchange.java failed due to "SSLException: An established connection was aborted by the software in your host machine"	PSU
<a href="#">JDK-8226943</a>	11	compile error in libfollowref003.cpp with XCode 10.2 on macosx	PSU
<a href="#">JDK-8226810</a>	15	Failed to launch JVM because of NullPointerException occured on System.props	PSU

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<a href="#">JDK-8224829</a>	11	AsyncSSLSocketClose.java has timing issue	PSU
<a href="#">JDK-8223923</a>	17, 11	C2: Missing interference with mismatched unsafe accesses	PSU
<a href="#">JDK-8223658</a>	11	Performance regression of XML.validation in 13-b19	PSU
<a href="#">JDK-8223400</a>	11	Replace some enums with static const members in hotspot/runtime	PSU
<a href="#">JDK-8223173</a>	13	Implement fast class initialization checks on AARCH64	PSU
<a href="#">JDK-8223141</a>	11	Change (count) suffix _ct into _cnt.	PSU
<a href="#">JDK-8223140</a>	11	Clean-up in 'ok_to_convert()'	PSU
<a href="#">JDK-8223139</a>	11	Rename mandatory policy-do routines.	PSU
<a href="#">JDK-8223138</a>	11	Small clean-up in loop-tree support.	PSU
<a href="#">JDK-8223137</a>	11	Rename predicate 'do_unroll_only()' to 'is_unroll_only()'.	PSU
<a href="#">JDK-8222446</a>	11	assert(CEnv::system_dictionary_modification_counter_changed()) failed: Must invalidate if TypeFuncs differ	PSU
<a href="#">JDK-8221903</a>	11	PIT: javax/swing/RepaintManager/IconifyTest/IconifyTest.java fails on ubuntu18.04	PSU
<a href="#">JDK-8221902</a>	11	PIT: javax/swing/JRadioButton/FocusTraversal/FocusTraversal.java fails on ubuntu	PSU
<a href="#">JDK-8221305</a>	11	java/awt/FontMetrics/MaxAdvancelMax.java fails on MacOS + Solaris	PSU
<a href="#">JDK-8221259</a>	11	New tests for java.net.Socket to exercise long standing behavior	PSU

OpenJDK Patch ID	Azul Zulu Version	Synopsis	CPU/PSU
<a href="#">JDK-8219986</a>	11	Change to Xcode 10.1 for building on MacOSx at Oracle	PSU
<a href="#">JDK-8218483</a>	11	Crash in "assert(!_daemon_threads_count == get_value() > daemon_count) failed: thread count mismatch 5 : 5"	PSU
<a href="#">JDK-8217903</a>	11	java/net/httpclient/Response204.java fails with 404	PSU
<a href="#">JDK-8217882</a>	11	java/net/httpclient/MaxStreams.java failed once	PSU
<a href="#">JDK-8217633</a>	11	Configurable extensions with system properties	PSU
<a href="#">JDK-8217438</a>	11	Adapt tools//launcher/Test7029048.java for AIX	PSU
<a href="#">JDK-8217377</a>	11	javax/swing/JPopupMenu/6583251/bug6583251.java failed with UnsupportedOperationException exception	PSU
<a href="#">JDK-8217375</a>	11	jarsigner breaks old signature with long lines in manifest	PSU
<a href="#">JDK-8216417</a>	11	cleanup of IPv6 scope-id handling	PSU
<a href="#">JDK-8216318</a>	11	The usage of Disposer in the java.awt.Robot can be deleted	PSU
<a href="#">JDK-8215889</a>	11	assert(!_unloading) failed: This oop is not available to unloading class loader data with ZGC	PSU
<a href="#">JDK-8215568</a>	11	Refactor SA clhsdb tests to use ClhsdbLauncher	PSU
<a href="#">JDK-8215410</a>	11	Regression test for JDK-8214994	PSU
<a href="#">JDK-8214761</a>	17	Bug in parallel Kahan summation implementation	PSU
<a href="#">JDK-8214469</a>	11	[macos] PIT: java/awt/Choice/ChoiceKeyEventReaction/ChoiceKeyEventReaction.java fails	PSU

OpenJDK Patch ID	Azul Zulu Version	Synopsis	CPU/PSU
<a href="#">JDK-8213707</a>	11	[TEST] vmTestbase/nsk/stress/except/except011.java failed due to wrong class name	PSU
<a href="#">JDK-8213330</a>	11	Fix legal headers in i18n tests	PSU
<a href="#">JDK-8213328</a>	11	Update test copyrights in test/java/util/zip and test/jdk/tools	PSU
<a href="#">JDK-8213306</a>	11	Fix legal headers in test/java/nio	PSU
<a href="#">JDK-8213305</a>	11	Fix legal headers in test/java/math	PSU
<a href="#">JDK-8213301</a>	11	Fix legal headers in jdk logging tests	PSU
<a href="#">JDK-8213296</a>	11	Fix legal headers in test/jdk/java/net	PSU
<a href="#">JDK-8213263</a>	11	fix legal headers in test/langtools	PSU
<a href="#">JDK-8213189</a>	11	Make restricted headers in HTTP Client configurable and remove Date by default	PSU
<a href="#">JDK-8213110</a>	11	Remove the use of applets in automatic tests	PSU
<a href="#">JDK-8211999</a>	11	Window positioning bugs due to overlapping GraphicsDevice bounds (Windows/HiDPI)	PSU
<a href="#">JDK-8211905</a>	11	Remove multiple casts for EM06 file	PSU
<a href="#">JDK-8211148</a>	11	var in implicit lambdas shouldn't be accepted for source < 11	PSU
<a href="#">JDK-8210984</a>	11	[TESTBUG] hs203t003 fails with "# ERROR: hs203t003.cpp, 218: NSK_CPP_STUB2 ( ResumeThread, jvmti, thread)"	PSU
<a href="#">JDK-8210920</a>	11	Native C++ tests are not using CXXFLAGS	PSU
<a href="#">JDK-8210726</a>	11	Fix up a few minor nits forgotten by JDK-8210665	PSU
<a href="#">JDK-8210689</a>	11	Remove the multi-line old C style for string literals	PSU
<a href="#">JDK-8210481</a>	11	Remove #ifdef cplusplus from vmTestbase	PSU

OpenJDK Patch ID	Azul Zulu Version	Synopsis	CPU/PSU
<a href="#">JDK-8210395</a>	11	Add doc to SecurityTools.java	PSU
<a href="#">JDK-8210392</a>	11	assert(Compile::current()&live_nodes() < Compile::current()&max_node_limit()) failed: Live Node limit exceeded limit	PSU
<a href="#">JDK-8210353</a>	11	Move java/util/Arrays/TimSortStackSize2.java back to tier1	PSU
<a href="#">JDK-8210242</a>	11	[TESTBUG] vmTestbase/nsk/stress/jni/jnistress001.java crashes with EXCEPTION_ACCESS_VIOLATION on windows-x86	PSU
<a href="#">JDK-8210205</a>	11	build fails on AIX in hotspot cpp tests (for example getstacktr001.cpp)	PSU
<a href="#">JDK-8209611</a>	11	use C++ compiler for hotspot tests	PSU
<a href="#">JDK-8208242</a>	11	Add @requires to vmTestbase/gc/g1 tests	PSU
<a href="#">JDK-8207936</a>	11	TestZipFile failed with java.lang.AssertionError exception	PSU
<a href="#">JDK-8206085</a>	11	Refactor langtools/tools/javac/versions/Versions.java	PSU
<a href="#">JDK-8204161</a>	11	[TESTBUG] auto failed with the "Applet thread threw exception: java.lang.UnsupportedOperationException" exception	PSU
<a href="#">JDK-8202342</a>	11	[Graal] fromTonga/nsk/jvmti/unit/FollowReferences/followref003/TestDescription.java fails with "Location mismatch" errors	PSU
<a href="#">JDK-8201224</a>	11	Make string buffer size dynamic in mlvmJvmtiUtils.c	PSU



OpenJDK Patch ID	Azul Zulu Version	Synopsis	CPU/PSU
<a href="#">JDK-8199529</a>	11	javax/swing/text/Utilities/8142966/SwingFontMetricsTest.java fails on windows	PSU
<a href="#">JDK-8199138</a>	11	Add RISC-V support to Zero	PSU
<a href="#">JDK-8198624</a>	11	java/awt/KeyboardFocusmanager/TypeAhead/SubMenuShowTest/SubMenuShowTest.html fails on mac	PSU
<a href="#">JDK-8198623</a>	11	java/awt/KeyboardFocusmanager/TypeAhead/EnqueueWithDialogButtonTest/EnqueueWithDialogButtonTest.java fails on mac	PSU
<a href="#">JDK-8198619</a>	11	java/awt/Focus/FocusTraversalPolicy/ButtonGroupLayoutTraversal/ButtonGroupLayoutTraversalTest.java fails on mac	PSU
<a href="#">JDK-8198617</a>	11	java/awt/Focus/6382144/EndlessLoopTest.java fails on mac	PSU
<a href="#">JDK-8198616</a>	11	java/awt/Focus/6378278/InputVerifierTest.java fails on mac	PSU
<a href="#">JDK-8197811</a>	11	Test java/awt/Choice/PopupPosTest/PopupPosTest.java fails on Windows	PSU
<a href="#">JDK-8197800</a>	11	Test java/awt/Focus/NonFocusableWindowTest/NoEventsTest.java fails on Windows	PSU
<a href="#">JDK-8197560</a>	11	test javax/swing/JTree/8003400/Test8003400.java fails	PSU
<a href="#">JDK-8196572</a>	8	[TESTBUG] Test sun/java2d/cmm/ColorConvertOp/ColConvCCMTest.java sun/java2d/cmm/ColorConvertOp/MTColConvTest.java fails	PSU

OpenJDK Patch ID	Azul Zulu Version	Synopsis	CPU/PSU
<a href="#">JDK-8196100</a>	15, 13	javax/swing/text/JTextComponent/5074573/bug5074573.java fails	PSU
<a href="#">JDK-8196096</a>	11	javax/swing/JPopupMenu/6580930/bug6580930.java fails	PSU
<a href="#">JDK-8195703</a>	11	BasicJDWPCConnectionTest.java: 'App exited unexpectedly with 2'	PSU
<a href="#">JDK-8190793</a>	8	Httpserver does not detect truncated request body	PSU
<a href="#">JDK-8190753</a>	17, 15, 13, 11	(zipfs): Accessing a large entry (> 2^31 bytes) leads to a negative initial size for ByteArrayOutputStream	PSU
<a href="#">JDK-8190482</a>	8	InnocuousThread creation should not require the caller to possess enableContextClassLoaderOverride	PSU
<a href="#">JDK-8187649</a>	11, 8	ArrayIndexOutOfBoundsException in java.util.JapaneseImperialCalendar	PSU
<a href="#">JDK-8187450</a>	8	JNI local refs exceeds capacity warning in NetworkInterface::getAll	PSU
<a href="#">JDK-8185005</a>	13	Improve performance of ThreadMXBean.getThreadInfo(long ids[], int maxDepth)	PSU
<a href="#">JDK-8183543</a>	8	Aarch64: C2 compilation often fails with "failed spill-split-recycle sanity check"	PSU
<a href="#">JDK-8182036</a>	8	Load from initializing arraycopy uses wrong memory state	PSU
<a href="#">JDK-8180573</a>	11	Refactor sun/security/tools shell tests to plain java tests	PSU
<a href="#">JDK-8180571</a>	11	Refactor sun/security/pkcs11 shell tests to plain java tests and fix failures	PSU

OpenJDK Patch ID	Azul Zulu Version	Synopsis	CPU/PSU
<a href="#">JDK-8180569</a>	11	Refactor sun/security/krb5/ shell tests to plain java tests	PSU
<a href="#">JDK-8180568</a>	11	Refactor javax/crypto shell tests to plain java tests	PSU
<a href="#">JDK-8179880</a>	11	Refactor javax/security shell tests to plain java tests	PSU
<a href="#">JDK-8177536</a>	8	Avoid Apple Peer-to-Peer interfaces in networking tests	PSU
<a href="#">JDK-8177393</a>	8	Result of RescaleOp for 4BYTE_ABGR images may be 25% black	PSU
<a href="#">JDK-8174819</a>	17, 11	java/nio/file/WatchService/LotsOfEvents.java fails intermittently	PSU
<a href="#">JDK-8171998</a>	11	javax/swing/JMenu/4692443/bug4692443.java fails on Windows	PSU
<a href="#">JDK-8171381</a>	11	[TEST_BUG] [macos] javax/swing/JPopupMenu/7156657/bug7156657.java fails on OS X	PSU
<a href="#">JDK-8169959</a>	11	javax/swing/JTable/6263446/bug6263446.java: Table should be editing	PSU
<a href="#">JDK-8169954</a>	11	JFileChooser/8021253: java.lang.RuntimeException: Default button is not pressed	PSU
<a href="#">JDK-8169953</a>	11	JComboBox/8057893: ComboBoxEdited event is not fired! on Windows	PSU
<a href="#">JDK-8165828</a>	11	[TEST_BUG] The reg case:javax/swing/plaf/metal/MetalIcons/MetalHiD PIIconsTest.java failed as No Metal Look and Feel	PSU
<a href="#">JDK-8163973</a>	8	VM Anonymous classes should not call Class File Load Hooks	PSU

OpenJDK Patch ID	Azul Zulu Version	Synopsis	CPU/PSU
<a href="#">JDK-8163086</a>	11	java/awt/Window/TranslucentJAppletTest/TranslucentJAppletTest.java fails	PSU
<a href="#">JDK-8159904</a>	11	[TEST_BUG] Failure on solaris of java/awt/Window/MultiWindowApp/MultiWindowAppTest.java	PSU
<a href="#">JDK-8159597</a>	11	[TEST_BUG] closed/javafx/swing/JPopupMenu/4760494/bug4760494.java leaves key pressed	PSU
<a href="#">JDK-8147051</a>	8	StaxEntityResolverWrapper should create StaxXMLInputSource with a resolver indicator	PSU
<a href="#">JDK-8143021</a>	11	[TEST_BUG] Test javax/swing/JColorChooser/Test6541987.java fails	PSU
<a href="#">JDK-8140472</a>	8	java/net/ipv6tests/TcpTest.java failed intermittently with java.net.BindException: Address already in use: NET_Bind	PSU
<a href="#">JDK-8140241</a>	17	(fc) Data transfer from FileChannel to itself causes hang in case of overlap	PSU
<a href="#">JDK-8137101</a>	17, 11	[TEST_BUG] javax/swing/plaf/basic/BasicHTML/4251579/bug4251579.java failure due to timing	PSU
<a href="#">JDK-8136517</a>	11	[macosx]Test java/awt/Focus/8073453/AWTFocusTransitionTest.java fails on MacOSX	PSU
<a href="#">JDK-8131745</a>	11	java/lang/management/ThreadMXBean/AllThreadIds.java still fails intermittently	PSU
<a href="#">JDK-8129310</a>	11	java/net/Socket/asyncClose/AsyncClose.java fails intermittently	PSU

OpenJDK Patch ID	Azul Zulu Version	Synopsis	CPU/PSU
<a href="#">JDK-8081652</a>	11	[TESTBUG] java/lang/management/ThreadMXBean/ThreadMXBeanStateTest.java timed out intermittently	PSU
<a href="#">JDK-8080569</a>	11	java/lang/ProcessBuilder/DestroyTest.java fails with "RuntimeException: Process terminated prematurely"	PSU
<a href="#">JDK-8080287</a>	8	The image of BufferedImage.TYPE_INT_ARGB and BufferedImage.TYPE_INT_ARGB_PRE is blank	PSU
<a href="#">JDK-8078219</a>	11	Verify lack of @test tag in files in java/net test directory	PSU
<a href="#">JDK-8077590</a>	8	windows_i586_6.2-product-c2-runThese8_Xcomp_vm failing after win compiler upgrade	PSU
<a href="#">JDK-8075909</a>	11	[TEST_BUG] The regression-swing case failed as it does not have the 'Open' button when select 'subdir' folder with NimbusLAF	PSU
<a href="#">JDK-8066588</a>	8	javax/management/remote/mandatory/connection/RMConnector_NPETest.java fails to compile	PSU
<a href="#">JDK-8049348</a>	8	compiler/intrinsics/bmi/verifycode tests on lzcnt and tzcnt use incorrect assumption about REXB prefix usage	PSU
<a href="#">JDK-8047218</a>	11	[TEST_BUG] java/awt/FullScreen/AltTabCrashTest/AltTabCrashTest.java fails with exception	PSU
<a href="#">JDK-8042199</a>	8	The build of J2DBench via makefile is broken after the JDK-8005402	PSU
<a href="#">JDK-8041928</a>	8	MouseEvent.getModifiersEx gives wrong result	PSU

OpenJDK Patch ID	Azul Zulu Version	Synopsis	CPU/PSU
<a href="#">JDK-8039261</a>	11	[TEST_BUG]: There is not a minimal security level in Java Preferences and the TestApplet.html is blocked.	PSU
<a href="#">JDK-8034084</a>	11	nsk.nsk/jvmti/ThreadStart/threadstart003 Wrong number of thread end events	PSU
<a href="#">JDK-8015602</a>	11	[macosx] Test javax/swing/SpringLayout/4726194/bug4726194.java fails on MacOSX	PSU
<a href="#">JDK-7179006</a>	11	[macosx] Print-to-file doesn't work: printing to the default printer instead	PSU
<a href="#">JDK-7151826</a>	11	[TEST_BUG] [macosx] The test javax/swing/JPopupMenu/4966112/bug4966112.java not for mac	PSU
<a href="#">JDK-7105119</a>	11	[TEST_BUG] [macosx] In test UIDefaults.toString() must be called with the invokeLater()	PSU
<a href="#">JDK-6849922</a>	11	java/awt/Choice/ChoiceKeyEventReaction/ChoiceKeyEventReaction.html fails	PSU
<a href="#">JDK-6801613</a>	8	Cross-platform pageDialog and printDialog top margin entry broken	PSU
<a href="#">JDK-4819544</a>	17	SwingSet2 JTable Demo throws NullPointerException	PSU

## OpenJFX Bug Fixes

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

OpenJDK Patch ID	Azul Zulu Version	Synopsis	CPU/PSU
<a href="#">JDK-8274929</a>	17, 15, 13, 11, 8	Crash while reading specific clipboard content	CPU

OpenJDK Patch ID	Azul Zulu Version	Synopsis	CPU/PSU
<a href="#">JDK-8272546</a>	17, 15, 13, 11, 8	Better TrueType font loading	CPU
<a href="#">JDK-8277133</a>	17, 15, 13, 11	Dragboard contents retrieved all over again during a DND process on WebView	PSU
<a href="#">JDK-8276847</a>	17, 15, 13, 11	JSEException: ReferenceError: Can't find variable: IntersectionObserver	PSU
<a href="#">JDK-8276490</a>	17, 15, 13, 11	Incorrect path for duplicate x and y values, when path falls outside axis bound	PSU
<a href="#">JDK-8275723</a>	17, 15, 13, 11	Crash on macOS 12 in GlassRunnable::dealloc	PSU
<a href="#">JDK-8275138</a>	17, 15, 13, 11, 8	WebView: userAgent string is empty for first request	PSU
<a href="#">JDK-8274854</a>	17, 15, 13, 11	Mnemonics for menu containing numeric text not working	PSU
<a href="#">JDK-8274022</a>	17, 15, 13, 11	Additional Memory Leak in ControlAcceleratorSupport	PSU
<a href="#">JDK-8269538</a>	8	StackOverflowError when pressing F10 within SpinnerSkin	PSU
<a href="#">JDK-8263807</a>	8	Button types of a DialogPane are set twice, returns a wrong button	PSU
<a href="#">JDK-8261460</a>	8	Incorrect CSS applied to ContextMenu on DialogPane	PSU
<a href="#">JDK-8242531</a>	8	[macos] JavaFX OSXPlatform tries to load nonexistent libjfxmedia_qtkit	PSU
<a href="#">JDK-8208088</a>	8	Memory Leak in ControlAcceleratorSupport	PSU
<a href="#">JDK-8178297</a>	8	TableView scrolls slightly when adding new elements	PSU
<a href="#">JDK-8160597</a>	17, 15, 13, 11	IllegalArgumentException when we initiate drag on Image	PSU

OpenJDK Patch ID	Azul Zulu Version	Synopsis	CPU/PSU
<a href="#">JDK-8089884</a>	8	TextInputControls capturing function key events	PSU

## Azul Zulu Bug Fixes

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

Issue ID	Azul Zulu Version	Synopsis	CPU/PSU
ZULU-33119	11, 8	JBoss EAP 7.4 hangs with Zulu 8.60.0.20	CPU
ZULU-33098	15, 13	Update JFX to zulu17.0.1.0.101+101	CPU
ZULU-32922	8	Update JFX to zulu8u321-b01	CPU
ZULU-32548	15, 13, 11	Update JFX to zulu17.0.1.0.101+100	CPU
ZULU-32486	17, 15, 13, 11, 8, 7, 6	update copyright year in welcome.html	CPU
ZULU-32373	8	Update Legacy8uJSSE version to 1.1.4	CPU
ZULU-30891	8	Update JFX to zulu8u312-b03	CPU
ZULU-30731	17, 15, 13, 11	Update JFX to zulu17.0.1+102	CPU
ZULU-30729	8	Update JFX to zulu8u312-b02	CPU
ZULU-29897	8	JCK8 SSL tests fail on Solaris 11.4 with -XX:+UseLegacy8uJSSE	CPU
ZULU-33080	8	ZipFile.getCentralDirectory should ensure that ZipFile is still open	PSU
ZULU-32983	8	Update JFX to zulu8u322-b01	PSU
ZULU-32761	11, 8	NPE in network connection monitor though com.azul.tooling in UDP	PSU
ZULU-32724	11, 8	CRS properties should be set on VM start	PSU
ZULU-32628	17, 15, 13, 11	Update JFX to zulu17.0.2+100	PSU
ZULU-32610	17	Internal Error in compileBroker.cpp	PSU



Issue ID	Azul Zulu Version	Synopsis	CPU/PSU
ZULU-32365	8	Failure in com/sun/jdi/StepTest.java - Bad method name/signature: com.azul.tooling.in.JarLoadEvent.go:()V	PSU
ZULU-32364	11	Failures in six various tests on all (and only) "non-CRS" platforms	PSU
ZULU-32363	11, 8	Failure in appcnds/SpecifySysLoaderProp.java and securityManager/ClassLoaderTest.java - IllegalStateException: getSystemClassLoader cannot be called during the system class loader instantiation	PSU
ZULU-32280	11, 8	Zulu should report jar loading events through com.azul.tooling mechanism	PSU
ZULU-32089	8	Update OpenJSSE & Legacy8uJSSE versions for Zulu emb	PSU
ZULU-32088	8	Update OpenJSSE version to 1.1.9	PSU
ZULU-32077	11, 8	com.azul.tooling proxy subsystem in JRE to simplify integration of new JRE-initiated events with CRS	PSU
ZULU-32048	8	Running Zulu 8 MIPS32 with -XX:+UseG1GC causes Segmentation fault	PSU
ZULU-31637	11	Re-enable jvmci on macos-aarch64 after JDK-8248238	PSU
ZULU-31596	8	Failure in four tests demo/jvmti/hprof/* - irrecoverable SI_KERNEL SIGSEGV	PSU
ZULU-31592	11	[aarch32] build failure after jdk-11.0.14+4	PSU
ZULU-31587	11	Backout OpenJSSE from Zulu 11	PSU
ZULU-31570	11	Backout early versions of the fix for JDK-8273026	PSU

Issue ID	Azul Zulu Version	Synopsis	CPU/PSU
ZULU-31146	13	Failure in runtime/clinit/ClassInitBarrier.java - SIGSEGV (0xb) at pc=0x0000000000000000, pid=60179, tid=28675	PSU
ZULU-30856	8	CRS: Original class hashes are not sent to the stack for transformed classes	PSU
ZULU-30849	11	CRS: zulu11 hashes reported by JVM are incorrect: component detection isn't working	PSU
ZULU-30848	17	[Zulu 17 Arm32] Array sorting tests fail	PSU
ZULU-30728	17	[Zulu 17 Arm32] Assert crash in hotspot/cpu/arm/assembler_arm_32.cpp in fastdebug and SIGILL in release	PSU
ZULU-30727	17	Arithmetics seems to be broken in OpenJDK 17 Arm32 port	PSU
ZULU-30722	8	Update to gcc 7.3 for building Zulu 8 on Linux x86	PSU
ZULU-30644	17, 11, 8	Linux devkit with patched systemtap headers	PSU
ZULU-30547	17, 15, 13	Change to GCC 8.3.0 for building on Linux	PSU
ZULU-30533	11	[aarch32] Reenable detection of multiprocessor system	PSU
ZULU-30518	15, 13, 11, 8	Update VS2017 to 15.9.40 for building on Windows	PSU
ZULU-30513	17	Update VS2019 to 16.11.4 for building on Windows	PSU
ZULU-30130	17, 15, 13, 11, 8, 7, 6	Don't strip JVM symbols	PSU
ZULU-29744	8	fix compilation issues for gcc9.3	PSU

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