

Liberica JDK 23+38

Release Notes



Liberica JDK
23
September 17, 2024

be//soft

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1. Version information

This document provides information about Liberica JDK 23 release.

The full version string for this update release is 23+38. The version number is 23.

Liberica JDK 23 is distributed as `.apk`, `.rpm`, `.zip`, `.deb`, and `.tar.gz` packages. Please select the most appropriate for your purposes.

2. What's New

This release contains the following updates and new features.

Notable Changes

This is the list of the notable issues fixed in this release.

Issue ID	
JDK-8332261	<p>Summary: Deprecate for removal the <code>MulticastSocket.send(DatagramPacket, byte)</code> and <code>setTTL/getTTL</code> methods on <code>DatagramSocketImpl</code> and <code>MulticastSocket</code></p> <p>Description: The following methods on <code>java.net.MulticastSocket</code> are now be deprecated for removal: <code>public byte getTTL()</code> throws <code>IOException</code>; <code>public void setTTL(byte ttl)</code> throws <code>IOException</code>; <code>public void send(DatagramPacket p, byte ttl)</code> throws <code>IOException</code>. Similarly, the following methods on <code>java.net.DatagramSocketImpl</code> are now deprecated for removal: <code>protected abstract void setTTL(byte ttl)</code> throws <code>IOException</code>; <code>protected abstract byte getTTL()</code> throws <code>IOException</code>.</p>
JDK-8332371	<p>Summary: Better JMX interoperability with older JDKs, after removing Subject Delegation</p> <p>Description: Running <code>JConsole</code> from a previous JDK, and attaching to <code>jdk-23</code> (after <code>JDK-8326666</code>: Remove the Java Management Extension (JMX) Subject Delegation feature), the <code>MBean</code> tab was blank. This fix slightly alters the fix that was pushed for <code>JDK-8326666</code>, in order to restore support for non-null arrays containing null subjects, which had been removed by <code>JDK-8326666</code>. Specifically, it makes JDKs more compatible, more interoperable.</p>

Issue ID

JDK-8332457

Summary: Examine startup overheads from JDK-8294961

Description: JDK-8294961 changed to use classfile API for reflection proxy-generation. Actual implementation of ProxyGenerator is focused on performance, however it caused JDK bootstrap regressions. ProxyGenerator.TEMPLATE class model is statically created and each proxy class is transformed from the template. The fix is intended to examine plain proxy generation impact on performance and JDK bootstrap (vs proxy transformation from template). The generated proxy is migrated from static initialization to CONDY bootstrap.

JDK-8332478

Summary: Methods `RandomGeneratorFactory.create(long)` and `create(byte[])` Now Throw `UnsupportedOperationException` Instead of Falling Back to `create()`

Description: In previous releases, `RandomGeneratorFactory.create(long)` fell back by invoking the no-arg `create()` method if the underlying algorithm did not support a `long` seed. The `create(byte[])` method worked in a similar fashion. Starting with this release, these methods now throw an `UnsupportedOperationException` rather than silently falling back to `create()`.

JDK-8332485

Summary: SPECjbb2005-ParGC regression after JDK-8328744

Description: With the introduction of JDK-8328744, SPECjbb2005-ParGC was showing a regression that holded into later builds: -1.3% SPECjbb2005-ParGC on macOS-aarch64. It also appeared to impact the benchmark on macOS-x64 and linux-aarch64.

JDK-8332494

Summary: `java/util/zip/EntryCount64k.java` failing with `java.lang.RuntimeException: '\A\Z' missing from stderr`

Description: `java/util/zip/EntryCount64k.java` stderr parsing was improved by ignoring deprecated warnings. Testing non-generational ZGC requires the use of a deprecated option.

Issue ID

JDK-8332495 Summary: java/util/logging/LoggingDeadlock2.java fails with AssertionError: Some tests failed

Description: java/util/logging/LoggingDeadlock2.java stderr parsing was improved by ignoring deprecated warnings. Testing non-generational ZGC requires the use of a deprecated option.

JDK-8332512 Summary: Clarify the value type for java.net.SocketOptions.SO_LINGER

Description: The javadoc on java.net.SocketOptions.SO_LINGER field was updated to clarify the type of the value this field is expected to have when used in SocketOptions.getOption() and SocketOptions.setOption() methods.

JDK-8332597 Summary: Remove redundant methods from j.l.classfile.ClassReader API

Description: Methods thisClassPos and skipAttributeHolder were removed from java.lang.classfile.ClassReader.

JDK-8332614 Summary: Type-checked ConstantPool.entryByIndex and ClassReader.readEntryOrNull

Description: ConstantPool.entryByIndex and ClassReader.readEntryOrNull were added; ClassReader.utf8EntryByIndex was removed. API notes were added about entryByIndex, readEntry, and readEntryOrNull to recommend using type-checked methods to access constant pool if there is a type restriction.

JDK-8332653 Summary: Enable Case-Sensitive Check in ccache and keytab Kerberos Entry Lookup

Description: A new security property named `jdk.security.krb5.name.case.sensitive` was introduced to control name comparison. If this property is set to `true`, the comparison of principal names during keytab and ccache entry lookup will be case-sensitive. The default value is `false` to ensure backward compatibility. In addition, if a system property with the same name is specified, it will override the security property value defined in the `java.security` file.

Issue ID	
JDK-8332685	<p>Summary: Consolidate size and alignment checks in <code>LayoutPath</code></p> <p>Description: <code>Var</code> handles obtained and the <code>MemoryLayout</code> API checks that the accessed segment has at least the size of the accessed root layout.</p>
JDK-8332847	<p>Summary: Deprecation of the <code>UseNotificationThread</code> VM Option</p> <p>Description: The VM option <code>UseNotificationThread</code> is deprecated. It is obsoleted and then will be removed in future releases.</p>
JDK-8332849	<p>Summary: Update doc/testing.{md,html} (spelling and stale information)</p> <p>Description: The testing doc was updated to remove some stale information, such as about <code>AOT_MODULES</code>, removed in JDK-8264805, and to fix some spelling.</p>
JDK-8332922	<p>Summary: Test <code>java/io/IO/IO.java</code> fails when <code>/usr/bin/expect</code> not exist</p> <p>Description: The test now does not fail if <code>/usr/bin/expect</code> not exist.</p>
JDK-8332923	<p>Summary: <code>ObjectMonitorUsage.java</code> failed with unexpected <code>waiter_count</code></p> <p>Description: <code>ObjectMonitorUsage.java</code> failed with unexpected <code>waiter_count</code> after JDK-8328083 on linux x86_32.</p>
JDK-8333092	<p>Summary: Deprecate for removal <code>Socket</code> constructors to create UDP sockets</p> <p>Description: The following two <code>java.net.Socket</code> constructors are marked as deprecated for removal: <code>public Socket(InetAddress host, int port, boolean stream) throws IOException</code>; <code>public Socket(String host, int port, boolean stream) throws IOException</code>.</p>
JDK-8333130	<p>Summary: <code>MakeJAR2.sh</code> uses hard-coded JDK version</p> <p>Description: The file <code>test/jdk/java/lang/instrument/MakeJAR2.sh</code> hard-coded a JDK value of 23 to pair with the <code>--enable-preview javac</code> option. The har-coded value was removed.</p>

Issue ID	
JDK-8333227	<p>Summary: Parallel: Regressions 1-6% in Compress-ParGC after JDK-8330670</p> <p>Description: Relates to JDK-8330670 Obsolete ScavengeBeforeFullGC.</p>
JDK-8333228	<p>Summary: ZGC: Regression ~3% in XML.transform-ZGC after JDK-8326957</p> <p>Description: Relates to JDK-8326957 Implement JEP 474: ZGC: Generational Mode by Default.</p>
JDK-8333400	<p>Summary: InflaterInputStream.skip receives long but it's limited to Integer.MAX_VALUE</p> <p>Description: The API specification of java.util.zip.InflaterInputStream.skip(long) method was updated to specify that it would skip at most Integer.MAX_VALUE bytes.</p>
JDK-8334762	<p>Summary: Improve error for illegal early access from nested class</p> <p>Description: This is a fixed backport of JDK-8334488 Improve error for illegal early access from nested class.</p>
JDK-8334864	<p>Summary: javap crash - Fatal error: Unmatched bit position 0x2 for location CLASS</p> <p>Description: javap reported a fatal error for several classes in java.lang.invoke instead of printing them correctly.</p>
JDK-8335133	<p>Summary: Deprecate no-arg constructor BasicSliderUI() for removal</p> <p>Description: This constructor is deprecated for removal and removed in a later release.</p>
JDK-8336161	<p>Summary: Add explicit non-null return value expectations to Object.toString()</p> <p>Description: An explicit non-null return value expectations were added to Object.toString() method.</p>

Issue ID

JDK-8336253	<p>Summary: MemorySegment::reinterpret removes read-only property</p> <p>Description: The MemorySegment::reinterpret method returned a new memory segment that did not carry over the read-only property of the segment it was create from, but it should have.</p>
JDK-8336268	<p>Summary: Chained builders not sending transformed models to next transforms</p> <p>Description: ClassFile API chained builders did not emit certain elements through downstream transforms and returned wrong builder for chaining.</p>
JDK-8336680	<p>Summary: Add a System Property to Set the Maximum Number of WatchService Events before Overflow</p> <p>Description: The <code>java.nio.file.WatchService</code> implementations buffer up to a maximum number of events before discarding events and then queuing the <code>OVERFLOW</code> event. A new system property, <code>jdk.nio.file.WatchService.maxEventsPerPoll</code>, has been added to allow someone to specify the maximum number of pending events which may be enqueued before an <code>OVERFLOW</code> event is emitted. The value of this property must be a positive integer.</p>
JDK-8336785	<p>Summary: Deprecation of the <code>java.beans.beancontext</code> package</p> <p>Description: With the advancements in the language, The <code>java.beans.beancontext.*</code> package is now both obsolete and express an anti-pattern of component assembly and interaction. It is therefore deprecated for removal in a future release. Developers should no longer use these APIs. They should plan to migrate any existing code dependent on this package to an alternate solution in anticipation of their future removal.</p>

Issue ID

JDK-8336908 Summary: javadoc now requires correct class name in member reference

Description: A bug has been fixed in javadoc. Previously, the @see and {@link...} tags allowed a nested class to be used to qualify the name of a member of the enclosing class. They no longer do so. Because of this, documentation comments that previously relied on this behavior will now trigger a warning or error when processed by javadoc.

JDK-8336921 Summary: Update the internationalization guide

Description: The internationalization guide has descriptions for JRE/COMPAT system property values that were modified along the following document: Java Platform, Standard Edition Internationalization Guide (<https://docs.oracle.com/javase/9/intl/internationalization-enhancements-jdk-9.htm#JSINT-GUID-5ED91AA9-B2E3-4E05-8E99-6A009D2B36AF>).

JDK-8336929 Summary: Document the security property jdk.security.krb5.name.case.sensitive in the Security Guide

Description: The new security property jdk.security.krb5.name.case.sensitive was documented in the Security Guide in the following sections: Kerberos System Properties, Security Properties, and Environment Variables.

JDK-8337033 Summary: Support for JavaScript Modules in javadoc

Description: The javadoc --add-script option now supports JavaScript modules in addition to conventional script files. Modules are detected automatically by inspecting the extension or content of the file passed as option argument.

JDK-8337244 Summary: Support for KeychainStore-ROOT Keystore

Description: The KeychainStore of the Apple provider now supports two types of keystores: KeychainStore that contains private keys and certificates for the user's current keychain; KeychainStore-ROOT that contains certificates from the system root certificates keychain.

Issue ID

JDK-8338326

Summary: Resolution of Startup Time Regression with `-XX:StartFlightRecording`

Description: The technical debt in the JFR bytecode instrumentation that caused a noticeable increase in startup time in JDK 22 when using the `-XX:StartFlightRecording` option with smaller applications has been fixed. Startup times are now comparable to JDK 21.

JDK-8338684

Summary: `{ClassLoader,Memory}MXBean::isVerbose` methods are inconsistent with their `setVerbose` methods

Description: The `ClassLoaderMXBean` and `MemoryMXBean` APIs have `setVerbose` methods to control verbose mode and `isVerbose` methods to query it. Some JCK tests expect `setVerbose(false)` to disable verbose mode and, subsequently, `isVerbose()` to return false. However, if logging to a file is enabled by using `-Xlog` on the java launcher command line then `isVerbose()` returned true even after calling `setVerbose(false)`.

JDK-8338920

Summary: Parallel GC Throws OOM Before Heap Is Fully Expanded

Description: As a side effect of fixing [JDK-8328744](#), installations may have experienced an increased heap usage when using Parallel GC.

JDK-8338926

Summary: Annotation processing in `javac` disabled by default

Description: In JDK 23 annotation processing was only run with some explicit configuration of annotation processing or with an explicit request to run annotation processing on the `javac` command line. This was a change in behavior from the existing default to run annotation processing without any explicit annotation processing related options needing to be present.

IANA TZ Data update

This release of Liberica JDK 23 comes with IANA Time Zone Database version [2024b](#). The following are the main changes in this update:

Improve historical data for Mexico, Mongolia, and Portugal.

System V names are now obsolescent.

The main data form now uses %z.

The code now conforms to RFC 8536 for early timestamps.

Support POSIX.1-2024, which removes `asctime_r` and `ctime_r`.

Assume POSIX.2-1992 or later for shell scripts.

`SUPPORT_C89` now defaults to 1.

3. Known Issues

This is the list of known issues in this release.

Issue ID	
JDK-8325737	<p>Summary: <code>Files.readString</code> may return incorrect String when UTF-16 or other Charsets</p> <p>Description: Strings read with <code>java.nio.files.Files.readString</code> may return incorrect strings when decoding with a Charset other than US-ASCII, ISO08859-1, or UTF-8. Reading strings with other multi-byte charsets such as UTF_16 may produce incorrect results.</p> <p>Workaround: Run the JDK 22 GA build with <code>-XX:-CompactStrings</code> option to disable the use of 'Compact Strings'.</p>
JDK-8325875	<p>Summary: JVM May Crash or Malfunction When Using ZGC and Non-Default <code>ObjectAlignmentInBytes</code></p> <p>Description: Running the JVM with <code>-XX:+UseZGC</code> and non-default value of <code>-XX:ObjectAlignmentInBytes</code> may lead to JVM crashes or incorrect execution.</p> <p>Workaround: N/A</p>
N/A	<p>Summary: LibericaFX and EGL on Raspbian</p> <p>Description: As of 2017, the default location of Broadcom <code>libEGL.so</code> and <code>libGLESv2.so</code> has changed in Raspbian OS.</p> <p>Workaround: To leverage hardware EGL acceleration available from Broadcom video drivers in LibericaFX while running a recent Raspbian OS, run the following commands: 1. <code>cd /opt/vc/lib</code>, 2. <code>sudo ln -s libbrcmEGL.so libEGL.so</code>, 3. <code>sudo ln -s libbrcmGLESv2.so libGLESv2.so</code></p>

4. Fixed CVEs

This release does not contain any fixed Common Vulnerabilities and Exposures.

5. Resolved Issues

JDK issues

This is the list of general JDK issues fixed in this release.

Issue ID	Summary
JDK-4760025	sRGB conversions to and from CIE XYZ incorrect
JDK-6230751	[Fmt-Ch] Recursive MessageFormats in ChoiceFormats ignore indicated subformats
JDK-6285888	ChoiceFormat can support unescaped relational symbols in the Format segment
JDK-6431396	Spec for SocketOptions.SO_BINDADDR incorrect
JDK-6503196	API doc for DecimalFormat::getMaximumIntegerDigits is unclear
JDK-6507038	Memory Leak in JTree / BasicTreeUI
JDK-6510914	JScrollBar.getMinimumSize() breaks the contract of JComponent.setMinimumSize()
JDK-6801704	ChoiceFormat::applyPattern inconsistency for invalid patterns
JDK-6942632	Hotspot should be able to use more than 64 logical processors on Windows
JDK-6968351	httpserver clashes with delayed TCP ACKs for low Content-Length
JDK-7001133	OutOfMemoryError by CustomMediaSizeName implementation

Issue ID	Summary
JDK-7022325	TEST_BUG: test/java/util/zip/ZipFile/ReadLongZipFileName.java leaks files if it fails
JDK-7036144	GZIPInputStream readTrailer uses faulty available() test for end-of-stream
JDK-7057369	(fs spec) FileStore getUsableSpace and getUnallocatedSpace could be clearer
JDK-8017234	Hotspot should stop using mapfiles
JDK-8042981	Strip type annotations in Types' utility methods
JDK-8043226	Better diagnostics for non-applicable type annotations
JDK-8048691	Splititerator.SORTED characteristics gets cleared for BaseStream.splititerator
JDK-8051959	Add thread and timestamp options to java.security.debug system property
JDK-8068958	Timestamp.from(Instant) should throw when conversion is not possible
JDK-8075917	The regression-swing case failed as the text on label is not painted red with the GTK L&F
JDK-8079167	Fix documentation for G1SATBBufferEnqueueingThresholdPercent == 0
JDK-8079786	[macosx] Test java/awt/Frame/DisposeParentGC/DisposeParentGC.java fails for Mac only
JDK-8129418	JShell: better highlighting of errors in imports on demand
JDK-8139457	Relax alignment of array elements
JDK-8144100	Incorrect case-sensitive equality in com.sun.net.httpserver.BasicAuthenticator

Issue ID	Summary
JDK-8159927	Add a test to verify JMOD files created in the images do not have debug symbols
JDK-8160755	bug6492108.java test fails with exception Image comparison failed at (0, 0) for image 4 in GTK L&F
JDK-8164094	javadoc allows to create a @link to a non-existent method
JDK-8174269	Remove COMPAT locale data provider from JDK
JDK-8175386	Clarify exception behavior of Types utility methods
JDK-8180450	secondary_super_cache does not scale well
JDK-8182774	Verify code in javap
JDK-8185862	AWT Assertion Failure in ::GetDIBits(hBMDC, hBM, 0, 1, 0, gpBitmapInfo, 0) 'awt_Win32GraphicsDevice.cpp', at line 185
JDK-8187634	keystore.getCertificateAlias(cert) returns original alias, inconsistent with fix of JDK-6483657
JDK-8187759	Background not refreshed when painting over a transparent JFrame
JDK-8188784	javax.management/notification/BroadcasterSupportDeadlockTest.java - TEST FAILED: deadlock
JDK-8195675	Call to insertText with single character from custom Input Method ignored
JDK-8196106	Support nested infinite or recursive flat mapped streams
JDK-8198237	[macos] Test java/awt/Frame/ExceptionOnSetExtendedStateTest/ExceptionOnSetExtendedStateTest.java fails

Issue ID	Summary
JDK-8200566	DistributionPointFetcher fails to fetch CRLs if the DistributionPoints field contains more than one DistributionPoint and the first one fails
JDK-8201183	javac build failures: "Connection attempt failed: Connection refused"
JDK-8202598	keytool -certreq output contains inconsistent line separators
JDK-8203867	Delete test java/awt/TrayIcon/DbClickActionEventTest/DbClickActionEventTest.html
JDK-8206447	InflaterInputStream.skip receives long but it's limited to Integer.MAX_VALUE
JDK-8210471	GZIPInputStream constructor could leak an un-end()ed Inflater
JDK-8210858	AArch64: remove Math.log intrinsic
JDK-8211847	[aix] java/lang/ProcessHandle/InfoTest.java fails: "reported cputime less than expected"
JDK-8211854	[aix] java/net/ServerSocket/AcceptInheritHandle.java fails: read times out
JDK-8212895	ChronoField.INSTANT_SECONDS's range doesn't match the range of Instant
JDK-8216984	Deprecate for removal Socket constructors to create UDP sockets
JDK-8222719	libperfstat on AIX - cleanup old API versions
JDK-8222884	ConcurrentClassDescLookup.java times out intermittently
JDK-8223696	java/net/httpclient/MaxStreams.java failed with didn't finish within the time-out
JDK-8226919	attach in linux hangs due to permission denied accessing /proc/pid/root

Issue ID	Summary
JDK-8226990	GTK & Nimbus LAF: Tabbed pane's background color is not expected one when change the opaque checkbox.
JDK-8229959	Convert proxy class to use constant dynamic
JDK-8233443	G1 DetailedUsage class names overly generic for global namespace
JDK-8234502	Merge GenCollectedHeap and SerialHeap
JDK-8236736	Change notproduct JVM flags to develop flags
JDK-8237842	Separate definitions for default cache line and padding sizes
JDK-8238169	BasicDirectoryModel getDirectories and DoChangeContents.run can deadlock
JDK-8240343	JDI stopListening/stoplis001 "FAILED: listening is successfully stopped without starting listening"
JDK-8241503	C2: Share MacroAssembler between mach nodes during code emission
JDK-8241550	[macOS] SSLSocketImpl/ReuseAddr.java failed due to "BindException: Address already in use"
JDK-8242564	javadoc crashes:: class cast exception com.sun.tools.javac.code.Symtab\$6
JDK-8247449	Revisit the argument processing logic for MetaspaceShared::disable_optimized_module_handling()
JDK-8247972	incorrect implementation of JVM TI GetObjectMonitorUsage
JDK-8251330	Reorder CDS archived heap to speed up relocation
JDK-8252136	Several methods in hotspot are missing "static"

Issue ID	Summary
JDK-8256314	JVM TI GetCurrentContendedMonitor is implemented incorrectly
JDK-8256828	ostream::print_cr() truncates buffer in copy-through case
JDK-8258979	The image didn't show correctly with GTK LAF
JDK-8259550	The content of the print out displayed incomplete with the NimbusLAF
JDK-8259637	java.io.File.getCanonicalPath() returns different values for same path
JDK-8259866	two java.util tests failed with "IOException: There is not enough space on the disk"
JDK-8260633	[macos] java/awt/dnd/MouseEventAfterStartDragTest/MouseEventAfterStartDragTest.html test failed
JDK-8261433	Better pkcs11 performance for libpkcs11:C_EncryptInit/libpkcs11:C_DecryptInit
JDK-8264102	JTable Keyboards Navigation differs with Test Instructions.
JDK-8265372	Simplify PKCS9Attribute
JDK-8269428	java/util/concurrent/ConcurrentHashMap/ToArray.java timed out
JDK-8269657	Test java/nio/channels/DatagramChannel/Loopback.java failed. Unexpected message
JDK-8270269	Desktop.browse method fails if earlier Colnitalize call as COINIT_MULTITHREADED
JDK-8272364	Parallel GC adaptive size policy may shrink the heap below MinHeapSize

Issue ID	Summary
JDK-8274300	Address dsymutil warning by excluding platform specific files
JDK-8275338	Add JFR events for notable serialization situations
JDK-8276809	java/awt/font/JNICheck/FreeTypeScalerJNICheck.java shows JNI warning on Windows
JDK-8277869	Maven POMs are using HTTP links where HTTPS is available
JDK-8278255	Add more warning text in ReentrantLock and ReentrantReadWriteLock
JDK-8278353	Provide Duke as default favicon in Simple Web Server
JDK-8278527	java/util/concurrent/tck/JSR166TestCase.java fails nanoTime test
JDK-8280056	gtest/LargePageGtests.java#use-large-pages failed "os.release_one_mapping_multi_commits_vm"
JDK-8280087	G1: Handle out-of-mark stack situations during reference processing more gracefully
JDK-8280392	java/awt/Focus/NonFocusableWindowTest/NonfocusableOwnerTest.java failed with "RuntimeException: Test failed."
JDK-8280988	[XWayland] Click on title to request focus test failures
JDK-8280990	[XWayland] XTest emulated mouse click does not bring window to front
JDK-8283223	gc/stringdedup/TestStringDeduplicationFullGC.java#Parallel failed with "RuntimeException: String verification failed"
JDK-8285506	Unify os::vsnprintf implementations
JDK-8286759	TextComponentPrintable: consequent → consecutive positions

Issue ID	Summary
JDK-8286827	BogusColorSpace methods return wrong array
JDK-8288712	Typo in javadoc in javax.imageio.ImageReader.java
JDK-8288989	Make tests not depend on the source code
JDK-8289770	Remove Windows version macro from ShellFolder2.cpp
JDK-8289822	G1: Make concurrent mark code owner of TAMSES
JDK-8290965	PPC64: Implement post-call NOPs
JDK-8291643	Consider omitting type annotations from type error diagnostics
JDK-8291809	Convert compiler/c2/cr7200264/TestSSE2IntVect.java to IR verification test
JDK-8292955	Collections.checkedMap Map.merge does not properly check key and value
JDK-8293345	SunPKCS11 provider checks on PKCS11 Mechanism are problematic
JDK-8293622	Cleanup use of G1ConcRefinementThreads
JDK-8293623	Simplify G1ConcurrentRefineThreadControl
JDK-8294148	Support JSplitPane for instructions and test UI
JDK-8294880	Review running time of jdk/internal/shellsupport/doc/JavadocHelperTest.java
JDK-8294961	Convert java.base/java.lang.reflect.ProxyGenerator to use the Classfile API to generate proxy classes
JDK-8294977	Convert test/jdk/java tests from ASM library to Classfile API

Issue ID	Summary
JDK-8294978	Convert 5 test/jdk/jdk/jfr tests from ASM library to Classfile API
JDK-8295111	dpkg appears to have problems resolving symbolically linked native libraries
JDK-8295153	java/util/Base64/TestEncodingDecodingLength.java ran out of memory
JDK-8295166	IGV: dump graph at more locations
JDK-8295804	javax/swing/JFileChooser/JFileChooserSetLocationTest.java failed with "setLocation() is not working properly"
JDK-8296175	Output warning if generated docs contain diagnostic markers
JDK-8296244	Alternate implementation of user-based authorization Subject APIs that doesn't depend on Security Manager APIs
JDK-8296543	Update exception documentation for ExecutorService.invokeAll overriders as required
JDK-8296787	Unify debug printing format of X.509 cert serial numbers
JDK-8297573	Parallel: Rename do_oop_nv to do_oop_work in subclasses of OopClosure
JDK-8297879	javadoc link to preview JEP 1000 has grouping character comma
JDK-8298046	Fix hidden but significant trailing whitespace in properties files for serviceability code
JDK-8298153	Colored text is not shown on disabled checkbox and radio button with GTK LAF for bug4314194
JDK-8298405	Implement JEP 467: Markdown Documentation Comments
JDK-8299023	TestPLABResize.java and TestPLABPromotion.java are failing intermittently

Issue ID	Summary
JDK-8299426	Heap dump does not contain virtual Thread stack references
JDK-8299487	Test java/net/httpclient/whitebox/SSLTubeTestDriver.java timed out
JDK-8299627	Fix/improve handling of "missing" element-list file
JDK-8300088	[IMPROVE] OPEN_MAX is no longer the max limit on macOS >= 10.6 for RLIMIT_NOFILE
JDK-8300148	Consider using a StoreStore barrier instead of Release barrier on ctor exit
JDK-8301183	(zipfs) jdk/jdk/nio/zipfs/TestLocOffsetFromZip64EF.java failing with ZipException:R0 on OL9
JDK-8301466	[AIX] Revisit CommittedVirtualMemoryTest
JDK-8301994	Remove unused code from awt_List.cpp
JDK-8302019	Clarify Elements.overrides
JDK-8302744	Refactor Hotspot container detection code
JDK-8302790	Set FileMapRegion::mapped_base() to null if mapping fails
JDK-8302850	Implement C1 clone intrinsic that reuses arraycopy code for primitive arrays
JDK-8303374	Implement JEP 455: Primitive Types in Patterns, instanceof, and switch (Preview)
JDK-8303689	javac -Xlint could/should report on "dangling" doc comments
JDK-8303866	Allow ZipInputStream.readEnd to parse small Zip64 ZIP files
JDK-8303891	Speed up Zip64SizeTest using a small ZIP64 file

Issue ID	Summary
JDK-8303972	(zipfs) Make test/jdk/jdk/nio/zipfs/TestLocOffsetFromZip64EF.java independent of the zip command line
JDK-8304732	jdk/jfr/api/consumer/recordingstream/TestStop.java failed again with "Expected outer stream to have 3 events"
JDK-8305072	Win32ShellFolder2.compareTo is inconsistent
JDK-8305457	Implement java.io.IO
JDK-8305638	Renaming and small clean-ups around predicates
JDK-8306767	Concurrent repacking of extra data in MethodData is potentially unsafe
JDK-8306928	Duplicate variable assignment in jdk.internal.net.http.AuthenticationFilter#getCredentials
JDK-8307143	CredentialsCache.cacheName should not be static
JDK-8307160	Fix AWT/2D/A11Y to support the permissive- flag on the Microsoft Visual C compiler
JDK-8307193	Several Swing jtreg tests use class.forName on L&F classes
JDK-8307246	Printing: banded raster path doesn't account for device offset values
JDK-8307778	com/sun/jdi/cds tests fail with jtreg's Virtual test thread factory
JDK-8307788	vmTestbase/gc/gctests/LargeObjects/large003/TestDescription.java timed out
JDK-8307824	Clean up Finalizable.java and finalize terminology in vmTestbase/nsk/share
JDK-8308033	The jcmd thread dump related tests should test virtual threads

Issue ID	Summary
JDK-8308204	Enhanced certificate processing
JDK-8308642	Unhelpful pattern switch error: illegal fall-through to a pattern
JDK-8308660	C2 compilation hits 'node must be dead' assert
JDK-8308745	ObjArrayKlass::allocate_objArray_klass may call into java while holding a lock
JDK-8309218	java/util/concurrent/locks/Lock/OOMEInAQS.java still times out with ZGC, Generational ZGC, and SerialGC
JDK-8309259	Reduce calls to MethodHandles.lookup() in jdk.internal.net.http.Stream
JDK-8309271	A way to align already compiled methods with compiler directives
JDK-8309622	Re-examine the cache mechanism in BaseLocale
JDK-8309751	Duplicate constant pool entries added during default method processing
JDK-8309881	Qualified name of a type element depends on its origin (source vs class)
JDK-8309981	Remove expired flags in JDK 23
JDK-8310072	JComboBox/DisabledComboBoxFontTestAuto: Enabled and disabled ComboBox does not match in these LAFs: GTK+
JDK-8310190	C2 SuperWord: AlignVector is broken, generates misaligned packs
JDK-8310277	jdk/javadoc/doclet/testMethodCommentAlgorithm/TestMethodCommentsAlgorithm.java fails with IllegalStateException
JDK-8310351	Typo in ImmutableCollections
JDK-8310513	[s390x] Intrinsicify recursive ObjectMonitor locking

Issue ID	Summary
JDK-8310524	C2: record parser-generated LoadN nodes for IGVN
JDK-8310711	[IR Framework] Remove safepoint while printing handling
JDK-8310813	Simplify and modernize equals, hashCode, and compareTo for BigInteger
JDK-8310844	[AArch64] C1 compilation fails because monitor offset in OSR buffer is too large for immediate
JDK-8310995	missing @since tags in 36 jdk.dynalink classes
JDK-8311002	missing @since info in 21 files in jdk.security.auth
JDK-8311003	missing @since info in jdk.security.jgss
JDK-8311076	RedefineClasses doesn't check for ConstantPool overflow
JDK-8311098	Change comment in verificationType.hpp to refer to _sym
JDK-8311175	Move BufWriter::asByteBuffer to BufWriterImpl
JDK-8311177	Switching to interpreter only mode in carrier thread can lead to crashes
JDK-8311218	fatal error: stuck in JvmtiVTMSTransitionDisabler::VTMS_transition_disable
JDK-8311248	Refactor CodeCache::initialize_heaps to simplify adding new CodeCache segments
JDK-8311306	Test com/sun/management/ThreadMXBean/ThreadCpuTimeArray.java failed: out of expected range
JDK-8311644	Server should not send bad_certificate alert when the client does not send any certificates

Issue ID	Summary
JDK-8311893	Interactive component with ARIA role 'tabpanel' does not have a programmatically associated name
JDK-8312104	Update java man pages to include new security category in -XshowSettings
JDK-8312111	open/test/jdk/java/awt/Robot/ModifierRobotKey/ModifierRobotKeyTest.java fails on ubuntu 23.04
JDK-8312132	Add tracking of multiple address spaces in NMT
JDK-8312150	Remove -Xnoagent option
JDK-8312307	Obsoleted code in hb-jdk-font.cc
JDK-8312383	Log X509ExtendedKeyManager implementation class name in TLS/SSL connection
JDK-8312436	CompletableFuture never completes when 'Throwable.toString()' method throws Exception
JDK-8312444	Delete unused parameters and variables in SocketPermission
JDK-8312518	[macos13] setFullScreenWindow() shows black screen on macOS 13 & above
JDK-8313083	Print 'rss' and 'cache' as part of the container information
JDK-8313306	More sensible memory reservation logging
JDK-8313332	Simplify lazy jmethodID cache in InstanceKlass
JDK-8313674	(fc) java/nio/channels/FileChannel/BlockDeviceSize.java should test for more block devices
JDK-8313710	jcmm: typo in the documentation of JFR.start and JFR.dump

Issue ID	Summary
JDK-8313739	ZipOutputStream.close() should always close the wrapped stream
JDK-8314029	Add file name parameter to Compiler.perfmap
JDK-8314070	javax.print: Support IPP output-bin attribute extension
JDK-8314164	java/net/URLConnection/URLConnectionExpectContinueTest.java fails intermittently in timeout
JDK-8314186	runtime/8176717/TestInheritFD.java failed with "Log file was leaked"
JDK-8314225	SIGSEGV in JavaThread::is_lock_owned
JDK-8314250	CDS dump error message: Invoker type parameter must start and end with Object: L3I_L
JDK-8314275	Incorrect stepping in switch
JDK-8314295	Enhance verification of verifier
JDK-8314307	Improve loop handling
JDK-8314329	AgeTable: add is_clear() & allocation spec, and relax assert to allow use of 0-index slot
JDK-8314468	Improve Compiler loops
JDK-8314480	Memory ordering spec updates in java.lang.ref
JDK-8314508	Improve how relativized pointers are printed by frame::describe
JDK-8314515	java/util/concurrent/SynchronousQueue/Fairness.java failed with "Error: fair=false i=8 j=0"

Issue ID	Summary
JDK-8314592	Add shortcut to SymbolLookup::find
JDK-8314629	Generational ZGC: Clearing All SoftReferences log line lacks GCId
JDK-8314794	Improve UTF8 String supports
JDK-8314846	Do not store Klass::_secondary_super_cache in CDS archive
JDK-8315040	Remove redundant check in WorkerPolicy::parallel_worker_threads
JDK-8315431	ArchiveHeapWriter::get_filler_size_at() cannot handle buffer expansion
JDK-8315462	[REDO] runtime/NMT/SummarySanityCheck.java failed with "Total committed (MMMMMM) did not match the summarized committed (NNNNNN)"
JDK-8315575	Retransform of record class with record component annotation fails with CFE
JDK-8315693	Remove WM_AWT_SET_SCROLL_INFO message
JDK-8315708	Enhance HTTP/2 client usage
JDK-8315762	Update subtype check profile collection on s390x following 8308869
JDK-8315767	InetAddress: constructing objects from BSD literal addresses
JDK-8315856	RISC-V: Use Zacas extension for cmpxchg
JDK-8315923	pretouch_memory by atomic-add-0 fragments huge pages unexpectedly
JDK-8316131	runtime/cds/appcds/TestParallelGCWithCDS.java fails with JNI error
JDK-8316138	Add GlobalSign 2 TLS root certificates

Issue ID	Summary
JDK-8316141	Improve CEN header validation checking
JDK-8316197	Make tracing of inline cache available in unified logging
JDK-8316241	Test <code>jdk/jdk/jfr/jvm/TestChunkIntegrity.java</code> failed
JDK-8316324	Opensource five miscellaneous Swing tests
JDK-8316328	Test <code>jdk/jfr/event/oldobject/TestSanityDefault.java</code> times out for some heap sizes
JDK-8316340	(bf) Missing <code>{@inheritDoc}</code> for exception in <code>MappedByteBuffer::compact</code>
JDK-8316388	Opensource five Swing component related regression tests
JDK-8316451	6 <code>java/lang/instrument/PremainClass</code> tests ignore VM flags
JDK-8316460	4 <code>javax/management</code> tests ignore VM flags
JDK-8316497	<code>ColorConvertOp</code> - typo for non-ICC conversions needs one-line fix
JDK-8316657	Support whitebox testing in microbenchmarks
JDK-8316704	Regex-free parsing of <code>Formatter</code> and <code>FormatProcessor</code> specifiers
JDK-8316708	Augment <code>WorstCaseTests</code> with more cases
JDK-8316738	<code>java/net/httpclient/HttpClientLocalAddrTest.java</code> failed in timeout
JDK-8316756	C2 EA fails with "missing memory path" when encountering <code>unsafe_arraycopy</code> stub call
JDK-8316813	NMT: Using <code>WhiteBox</code> API, virtual memory tracking should also be stressed in JMH tests

Issue ID	Summary
JDK-8316931	[macos14] Test "java/awt/TrayIcon/ShowAfterDisposeTest/ShowAfterDisposeTest.html" throws an exception on macOS 14(x64, aarch64)
JDK-8316991	Reduce nullable allocation merges
JDK-8316992	Potential null pointer from get_current_thread JVMCI helper function.
JDK-8317007	Add bulk removal of dead nmethods during class unloading
JDK-8317287	[macos14] InterJVMGetDropSuccessTest.java: Child VM: abnormal termination
JDK-8317299	safepoint scalarization doesn't keep track of the depth of the JVM state
JDK-8317331	Solaris build failed with "declaration can not follow a statement (E_DECLARATION_IN_CODE)"
JDK-8317349	Randomize order of macro node expansion in C2
JDK-8317368	[JVMCI] SIGSEGV in JVMCIEnv::initialize_installed_code on libgraal
JDK-8317376	Minor improvements to the 'this' escape analyzer
JDK-8317431	Implement simpler Comparator when building certification paths
JDK-8317547	Enhance TLS connection support
JDK-8317572	C2 SuperWord: refactor/improve TraceSuperWord, replace VectorizeDebugOption with TraceAutoVectorization
JDK-8317621	--add-script should support JavaScript modules
JDK-8317636	Improve heap walking API tests to verify correctness of field indexes

Issue ID	Summary
JDK-8317697	refactor-encapsulate x86 VM_Version::CpuidInfo
JDK-8317771	[macos14] Expand/collapse a JTree using keyboard freezes the application in macOS 14 Sonoma
JDK-8317804	com/sun/jdi/JdwpAllowTest.java fails on Alpine 3.17 / 3.18
JDK-8317846	Typo in API documentation of classes IdentityHashMap
JDK-8318105	[jmh] the test java.security.HSS failed with 2 active threads
JDK-8318106	Generated HTML for snippet does not always contain an id
JDK-8318112	CSS percentage values are capped at 100%
JDK-8318158	RISC-V: implement roundD/roundF intrinsics
JDK-8318217	RISC-V: C2 VectorizedHashCode
JDK-8318227	RISC-V: C2 ConvHF2F
JDK-8318228	RISC-V: C2 ConvF2HF
JDK-8318302	ThreadCountLimit.java failed with "Native memory allocation (mprotect) failed to protect 16384 bytes for memory to guard stack pages"
JDK-8318340	Improve RSA key implementations
JDK-8318444	Write details about compilation bailouts into crash reports
JDK-8318446	C2: optimize stores into primitive arrays by combining values into larger store
JDK-8318563	GetClassFields should not use random access to field

Issue ID	Summary
JDK-8318566	Heap walking functions should not use FilteredFieldStream
JDK-8318588	Windows build failure after JDK-8314468 due to ambiguous call
JDK-8318603	Parallelize sun/java2d/marlin/ClipShapeTest.java
JDK-8318605	Enable parallelism in vmTestbase/nsk/stress/stack tests
JDK-8318629	G1: Refine code a bit in G1RemSetTrackingPolicy::update_at_allocate
JDK-8318650	Optimized subword gather for x86 targets.
JDK-8318682	SA decoding of scalar replaced objects is broken
JDK-8318696	Do not use LFS64 symbols on Linux
JDK-8318707	Remove the Java Management Extension (JMX) Management Applet (m-let) feature
JDK-8318761	MessageFormat pattern support for CompactNumberFormat, ListFormat, and DateTimeFormatter
JDK-8318812	LauncherHelper.checkAndLoadMain closes jar file that's about to be re-opened
JDK-8318966	Some methods make promises about Java array element alignment that are too strong
JDK-8318971	Better Error Handling for Jar Tool When Processing Non-existent Files
JDK-8319128	sun/security/pkcs11 tests fail on OL 7.9 aarch64
JDK-8319251	[REDO] Change LockingMode default from LM_LEGACY to LM_LIGHTWEIGHT

Issue ID	Summary
JDK-8319382	com/sun/jdi/JdwpAllowTest.java shows failures on AIX if prefixLen of mask is larger than 32 in IPv6 case
JDK-8319413	Start of release updates for JDK 23
JDK-8319414	Add SourceVersion.RELEASE_23
JDK-8319416	Add source 23 and target 23 to javac
JDK-8319451	PhaseldealLoop::conditional_move is too conservative
JDK-8319463	ClassSignature should have superclass and superinterfaces as ClassTypeSig
JDK-8319516	AIX System::loadLibrary needs support to load a shared library from an archive object
JDK-8319548	Unexpected internal name for Filler array klass causes error in VisualVM
JDK-8319571	Update jni/nullCaller/NullCallerTest.java to accept flags or mark as flagless
JDK-8319577	x86_64 AVX2 intrinsics for Arrays.sort methods (int, float arrays)
JDK-8319578	Few java/lang/instrument ignore test.java.opts and accept test.vm.opts only
JDK-8319598	SMFParser misinterprets interrupted running status
JDK-8319626	Override toString() for ZipFile
JDK-8319647	Few java/lang/System/LoggerFinder/modules tests ignore vm flags
JDK-8319648	java/lang/SecurityManager tests ignore vm flags
JDK-8319651	Several network tests ignore vm flags when start java process

Issue ID	Summary
JDK-8319673	Few security tests ignore VM flags
JDK-8319678	Several tests from corelibs areas ignore VM flags
JDK-8319690	[AArch64] C2 compilation hits offset_ok_for_immed: assert "c2 compiler bug"
JDK-8319716	RISC-V: Add SHA-2
JDK-8319757	java/nio/channels/DatagramChannel/InterruptibleOrNot.java failed: wrong exception thrown
JDK-8319773	Avoid inflating monitors when installing hash codes for LM_LIGHTWEIGHT
JDK-8319793	C2 compilation fails with "Bad graph detected in build_loop_late" after JDK-8279888
JDK-8319795	Static huge pages are not used for CodeCache
JDK-8319797	Recursive lightweight locking: Runtime implementation
JDK-8319799	Recursive lightweight locking: x86 implementation
JDK-8319801	Recursive lightweight locking: aarch64 implementation
JDK-8319822	Use a linear-time algorithm for assert_different_registers()
JDK-8319851	Improve exception logging
JDK-8319859	Better symbol storage
JDK-8319889	Vector API tests trigger VM crashes with -XX:+StressIncrementalInlining
JDK-8319900	Recursive lightweight locking: riscv64 implementation

Issue ID	Summary
JDK-8319901	Recursive lightweight locking: ppc64le implementation
JDK-8319932	[JVMCI] class unloading related tests can fail on libgraal
JDK-8319948	jcmm man page needs to be updated
JDK-8319957	PhaseOutput::code_size is unused and should be removed
JDK-8319990	Update CLDR to Version 45.0
JDK-8319997	JFR: Reduce use of dynamic proxies
JDK-8320002	Remove obsolete CDS check in Reflection::verify_class_access()
JDK-8320005	Allow loading of shared objects with .a extension on AIX
JDK-8320069	RISC-V: Add Zcb instructions
JDK-8320079	The ArabicBox.java test has no control buttons
JDK-8320097	Improve Image transformations
JDK-8320113	[macos14] : ShapeNotSetSometimes.java fails intermittently on macOS 14
JDK-8320128	Clean up Parse constructor for OSR
JDK-8320139	[JVMCI] VmObjectAlloc is not generated by intrinsics methods which allocate objects
JDK-8320175	[BACKOUT] 8316533: C2 compilation fails with assert(verify(phase)) failed: missing Value() optimization
JDK-8320200	Use Elements predicates for record constructors to improve print output

Issue ID	Summary
JDK-8320215	HeapDumper can use DumpWriter buffer during merge
JDK-8320237	C2: late inlining of method handle invoke causes duplicate lines in PrintInlining output
JDK-8320275	assert(_chunk→bitmap().at(index)) failed: Bit not set at index
JDK-8320276	Improve class initialization barrier in TemplateTable::_new
JDK-8320279	Link issues in java.xml module-info.java
JDK-8320302	compiler/arguments/TestC1Globals.java hits SIGSEGV in ContinuationEntry::set_enter_code
JDK-8320310	CompiledMethod::has_monitors flag can be incorrect
JDK-8320317	ObjectMonitor NotRunnable is not really an optimization
JDK-8320328	Restore interrupted flag in ImageIcon.loadImage
JDK-8320342	Use PassFailJFrame for TruncatedPopupMenuTest.java
JDK-8320343	Generate GIF images for AbstractButton/5049549/bug5049549.java
JDK-8320360	ClassFile.parse: Some defect class files cause unexpected exceptions to be thrown
JDK-8320362	Load anchor certificates from Keychain keystore
JDK-8320396	Class-File API ClassModel::verify should include checks from hotspot/share/classfile/classFileParser.cpp
JDK-8320397	RISC-V: Avoid passing t0 as temp register to MacroAssembler::cmpxchg_obj_header/cmpxchgptr

Issue ID	Summary
JDK-8320404	Double whitespace in SubTypeCheckNode::dump_spec output
JDK-8320449	ECDHKeyAgreement should validate parameters before using them
JDK-8320458	Improve structural navigation in API documentation
JDK-8320503	Print warning if VM reaches MallocLimit during error reporting
JDK-8320522	Remove code related to RegisterFinalizersAtInit
JDK-8320532	Remove Thread/ThreadGroup suspend/resume
JDK-8320534	fatal error for the NMTBenchmark test run for the mainline build
JDK-8320548	Improved loop handling
JDK-8320575	generic type information lost on mandated parameters of record's compact constructors
JDK-8320597	RSA signature verification fails on signed data that does not encode params correctly
JDK-8320622	[TEST] Improve coverage of compiler/loopopts/superword/TestMulAddS2I.java on different platforms
JDK-8320646	RISC-V: C2 VectorCastHF2F
JDK-8320647	RISC-V: C2 VectorCastF2HF
JDK-8320673	PageFormat/CustomPaper.java has no Pass/Fail buttons; multiple instructions
JDK-8320675	PrinterJob/SecurityDialogTest.java hangs
JDK-8320676	Manual printer tests have no Pass/Fail buttons, instructions close set 1

Issue ID	Summary
JDK-8320682	[AArch64] C1 compilation fails with "Field too big for insn"
JDK-8320692	Null icon returned for .exe without custom icon
JDK-8320707	Virtual thread test updates
JDK-8320712	Rewrite BadFactoryTest in pure Java
JDK-8320786	Remove ThreadGroup.stop
JDK-8320788	The system properties page is missing some properties
JDK-8320790	Update --release 22 symbol information for JDK 22 build 27
JDK-8320799	Bump minimum boot jdk to JDK 22
JDK-8320864	Serial: Extract out Full GC related fields from ContiguousSpace
JDK-8320886	Unsafe_SetMemory0 is not guarded
JDK-8320890	[AIX] Find a better way to mimic dl handle equality
JDK-8320919	Clarify Locale related system properties
JDK-8320959	jdk/jfr/event/runtime/TestShutdownEvent.java crash with CONF=fastdebug -Xcomp
JDK-8320971	Use BufferedInputStream.buf directly when param of implTransferTo() is trusted
JDK-8320995	RISC-V: C2 PopCountVI
JDK-8320996	RISC-V: C2 PopCountVL

Issue ID	Summary
JDK-8320999	RISC-V: C2 RotateLeftV
JDK-8321000	RISC-V: C2 RotateRightV
JDK-8321014	RISC-V: C2 VectorLoadShuffle
JDK-8321017	Record in JFR that IEEE rounding mode was corrupted by loading a library
JDK-8321021	RISC-V: C2 VectorUCastB2X
JDK-8321023	RISC-V: C2 VectorUCastS2X
JDK-8321024	RISC-V: C2 VectorUCastI2X
JDK-8321075	RISC-V: UseSystemMemoryBarrier lacking proper OS support
JDK-8321137	Reconsider ICStub alignment
JDK-8321151	JDK-8294427 breaks Windows L&F on all older Windows versions
JDK-8321156	Improve the handling of invalid UTF-8 byte sequences for <code>ZipInputStream::getNextEntry</code> and <code>ZipFile::getComment</code>
JDK-8321176	[Screencast] make a second attempt on screencast failure
JDK-8321180	Condition for non-latin1 string size too large exception is off by one
JDK-8321192	<code>j.a.PrintJob/ImageTest/ImageTest.java</code> : Fail or skip the test if there's no printer
JDK-8321204	C2: <code>assert(false)</code> failed: node should be in igvn hash table
JDK-8321206	Make Locale related system properties <code>StaticProperty</code>

Issue ID	Summary
JDK-8321278	C2: Partial peeling fails with assert "last_peel ← first_not_peeled"
JDK-8321279	Implement hashCode() in Heap-X-Buffer.java.template
JDK-8321282	RISC-V: SpinPause() not implemented
JDK-8321287	Remove unused enum style in Prefetch
JDK-8321288	[JVMCI] HotSpotJVMCIRuntime doesn't clean up WeakReferences in resolvedJavaTypes
JDK-8321292	SerialGC: NewSize vs InitialHeapSize check has an off-by-one error
JDK-8321299	runtime/logging/ClassLoadUnloadTest.java doesn't reliably trigger class unloading
JDK-8321314	Reinstate disabling the compiler's default active annotation processing
JDK-8321371	SpinPause() not implemented for bsd_aarch64/macOS
JDK-8321373	Build should use LC_ALL=C.UTF-8
JDK-8321374	Add a configure option to explicitly set CompanyName property in VersionInfo resource for Windows exe/dll
JDK-8321387	SegmentAllocator:allocateFrom(AddressLayout, MemorySegment) does not throw stated UnsupportedOperationException
JDK-8321396	Retire test/jdk/java/util/zip/NoExtensionSignature.java
JDK-8321400	java/foreign/TestStubAllocFailure.java fails with code cache exhaustion
JDK-8321404	Limit the number of heap dumps triggered by HeapDumpBeforeFullGC/AfterFullGC

Issue ID	Summary
JDK-8321408	Add Certainly roots R1 and E1
JDK-8321409	Console read line with zero out should zero out underlying buffer in JLine (redux)
JDK-8321422	Test gc/g1/pinnedobjs/TestPinnedObjectTypes.java times out after completion
JDK-8321428	Deprecate for removal the package java.beans.beancontext
JDK-8321429	(fc) FileChannel.lock creates a FileKey containing two long index values, they could be stored as int values
JDK-8321468	Remove StringUTF16::equals
JDK-8321474	TestAutoCreateSharedArchiveUpgrade.java should be updated with JDK 21
JDK-8321479	java -D-D crashes
JDK-8321480	ISO 4217 Amendment 176 Update
JDK-8321485	remove serviceability/attach/ConcAttachTest.java from problemlist on macosx
JDK-8321489	Update LCMS to 2.16
JDK-8321512	runtime/CommandLine/OptionsValidation/TestOptionsWithRanges.java fails on 32-bit platforms
JDK-8321514	UTF16 string gets constructed incorrectly from codepoints if CompactStrings is not enabled
JDK-8321515	ARM32: Move method resolution information out of the cpCache properly
JDK-8321539	Minimal build is broken by JDK-8320935

Issue ID	Summary
JDK-8321540	ClassSignature.parseFrom() throws StringIndexOutOfBoundsException for invalid signatures
JDK-8321542	C2: Missing ChaCha20 stub for x86_32 leads to crashes
JDK-8321543	Update NSS to version 3.96
JDK-8321545	Override toString() for Format subclasses
JDK-8321550	Update several runtime/cds tests to use vm flags or mark as flagless
JDK-8321557	Move SOURCE line verification for OracleJDK out of OpenJDK
JDK-8321560	[BACKOUT] 8299426: Heap dump does not contain virtual Thread stack references
JDK-8321561	(fs) Clarify non-atomic behavior of Files.move
JDK-8321565	[REDO] Heap dump does not contain virtual Thread stack references
JDK-8321582	yield <primitive-type>.class not parsed correctly.
JDK-8321594	NativeThreadSet should use placeholder for virtual threads
JDK-8321597	Use .template consistently for files treated as templates by the build
JDK-8321599	Data loss in AVX3 Base64 decoding
JDK-8321616	Retire binary test vectors in test/jdk/java/util/zip/ZipFile
JDK-8321619	Generational ZGC: ZColorStoreGoodOopClosure is only valid for young objects
JDK-8321620	Optimize JImage decompressors

Issue ID	Summary
JDK-8321621	Update Jcov version to 3.0.16
JDK-8321622	ClassFile.verify(byte[] bytes) throws unexpected ConstantPoolException, IAE
JDK-8321631	Fix comments in access.hpp
JDK-8321641	ClassFile ModuleAttribute.ModuleAttributeBuilder::moduleVersion spec contains a copy-paste error
JDK-8321648	Integral gather optimized mask computation.
JDK-8321683	Tests fail with AssertionError in RangeWithPageSize
JDK-8321685	Missing ResourceMark in code called from JvmtiEnvBase::get_vthread_jvf
JDK-8321688	Build on linux with GCC 7.5.0 fails after 8319577
JDK-8321703	jdeps generates illegal dot file containing nodesep=0,500000
JDK-8321712	C2: "failed: Multiple uses of register" in C2_MacroAssembler::vminmax_fp
JDK-8321713	Harmonize executeTestJvm with create[Limited]TestJavaProcessBuilder
JDK-8321718	ProcessTools.executeProcess calls waitFor before logging
JDK-8321729	Remove 'orb' field in RMICConnector
JDK-8321739	Source launcher fails with "Not a directory" error
JDK-8321786	SegmentAllocator.allocateFrom(ValueLayout, MemorySegment, ValueLayout, long, long) spec mismatch in exception scenario
JDK-8321802	(zipfs) Add validation of incorrect LOC signature in ZipFileSystem

Issue ID	Summary
JDK-8321808	G1: Use unsigned type for non-negative G1 flags
JDK-8321812	Update GC tests to use execute[Limited]TestJava
JDK-8321814	G1: Remove unused G1RemSetScanState::_collection_set_iter_state
JDK-8321815	Shenandoah: gc state should be synchronized to java threads only once per safepoint
JDK-8321820	TestLoadNldeal fails on 32-bit because -XX:+UseCompressedOops is not recognized
JDK-8321823	Remove redundant PhaseGVN transform_no_reclaim
JDK-8321825	Remove runtime/CompressedOops/CompressedClassPointers.java from the ProblemList
JDK-8321827	Remove unnecessary suppress warnings annotations from the printing processor
JDK-8321889	JavaDoc method references with wrong (nested) type
JDK-8321892	Typo in log message logged by src/hotspot/share/nmt/virtualMemoryTracker.cpp
JDK-8321925	sun/security/mscapi/KeytoolChangeAlias.java fails with "Alias <246810> does not exist"
JDK-8321931	memory_swap_current_in_bytes reports 0 as "unlimited"
JDK-8321933	TestCDSVMCrash.java spawns two processes
JDK-8321938	java/foreign/critical/TestCriticalUpcall.java does not need a core file

Issue ID	Summary
JDK-8321940	Improve CDSHeapVerifier in handling of interned strings
JDK-8321958	@param/@return descriptions of ZoneRules#isDaylightSavings() are incorrect
JDK-8321972	test runtime/Unsafe/InternalErrorTest.java timeout on linux-riscv64 platform
JDK-8321973	Parallel: Remove unused methods in AdaptiveSizePolicy
JDK-8321974	Crash in ciClass::is_subtype_of because TypeAryPtr::_klass is not initialized
JDK-8321975	Print when add_reserved_region fails even in product mode
JDK-8321984	IGV: Upgrade to Netbeans Platform 20
JDK-8322003	JShell - Incorrect type inference in lists of records implementing interfaces
JDK-8322008	Exclude some CDS tests from running with -Xshare:off
JDK-8322018	Test java/lang/String/CompactString/MaxSizeUTF16String.java fails with -Xcomp
JDK-8322027	One XMLStreamException constructor fails to initialize cause
JDK-8322034	Parallel: Remove unused methods in PSAdaptiveSizePolicy
JDK-8322040	Missing array bounds check in ClassReader.parameter
JDK-8322041	JDK 22 RDP1 L10n resource files update
JDK-8322042	HeapDumper should perform merge on the current thread instead of VMThread
JDK-8322043	HeapDumper should use parallel dump by default

Issue ID	Summary
JDK-8322057	Memory leaks in creating jfr symbol array
JDK-8322062	com/sun/jdi/JdwpAllowTest.java does not performs negative testing with prefix length
JDK-8322065	Initial nroff manpage generation for JDK 23
JDK-8322077	Add Ideal transformation: $(\sim a) \mid (\sim b) \Rightarrow \sim(a \& b)$
JDK-8322078	ZipSourceCache.testKeySourceMapping() test fails with The process cannot access the file because it is being used by another process
JDK-8322089	Parallel: Remove PSAdaptiveSizePolicy::set_survivor_size
JDK-8322097	Serial: Refactor CardTableRS::find_first_clean_card
JDK-8322098	os::Linux::print_system_memory_info enhance the THP output with /sys/kernel/mm/transparent_hugepage/hpage_pmd_size
JDK-8322100	Fix GCIncrementByte4 & GCIncrementDirect4, and increase overlap testing
JDK-8322122	Enhance generation of addresses
JDK-8322135	Printing JTable in Windows L&F throws InternalError: HTHEME is null
JDK-8322140	javax/swing/JTable/JTableScrollPrintTest.java does not print the rows and columns of the table in Nimbus and Aqua LookAndFeel
JDK-8322141	SequenceInputStream.transferTo should not return as soon as Long.MAX_VALUE bytes have been transferred
JDK-8322142	JFR: Periodic tasks aren't orphaned between recordings

Issue ID	Summary
JDK-8322149	ConcurrentHashMap smarter presizing for copy constructor and putAll
JDK-8322154	RISC-V: JDK-8315743 missed change in MacroAssembler::load_reserved
JDK-8322159	ThisEscapeAnalyzer crashes for erroneous code
JDK-8322163	runtime/Unsafe/InternalServerErrorTest.java fails on Alpine after JDK-8320886
JDK-8322166	Files.isReadable/isWritable/isExecutable expensive when file does not exist
JDK-8322170	Update deprecated/obsolete/expired flags table for GC
JDK-8322175	test/langtools/tools/javac/classreader/BadMethodParameter.java doesn't compile
JDK-8322179	RISC-V: Implement SHA-1 intrinsic
JDK-8322195	RISC-V: Minor improvement of MD5 instrinsic
JDK-8322204	Parallel: Remove unused _collection_cost_margin_fraction
JDK-8322205	Parallel: Remove unused arg in PSCardTable::pre_scavenge
JDK-8322209	RISC-V: Enable some tests related to MD5 instrinsic
JDK-8322214	Return value of XMLInputFactory.getProperty() changed from boolean to String in JDK 22 early access builds
JDK-8322218	Better escaping of single and double quotes in annotation toString() results
JDK-8322235	Split up and improve LocaleProvidersRun
JDK-8322237	Heap dump contains duplicate thread records for mounted virtual threads

Issue ID	Summary
JDK-8322239	[macos] a11y : java.lang.NullPointerException is thrown when focus is moved on the JTabbedPane
JDK-8322248	Fix inconsistent wording in ElementFilter.typesIn
JDK-8322255	Generational ZGC: ZPageSizeMedium should be set before MaxTenuringThreshold
JDK-8322278	Generational ZGC: Adjust the comment of ZHeuristics::use_per_cpu_shared_small_pages
JDK-8322279	Generational ZGC: Use ZFragmentationLimit and ZYoungCompactionLimit as percentage instead of multiples
JDK-8322282	Incorrect LoaderConstraintTable::add_entry after JDK-8298468
JDK-8322287	Parallel: Remove unused arg in adjust_eden_for_pause_time and adjust_eden_for_minor_pause_time
JDK-8322294	Cleanup NativePostCallNop
JDK-8322298	Obsolete unused AdaptiveSizePolicyCollectionCostMargin
JDK-8322300	Remove redundant arg in PSAdaptiveSizePolicy::adjust_promo_for_pause_time
JDK-8322309	Fix an inconsistency in spacing style in spec.gmk.template
JDK-8322321	Add man page doc for -XX:+VerifySharedSpaces
JDK-8322322	Support archived full module graph when -Xbootclasspath/a is used
JDK-8322324	java/foreign/TestStubAllocFailure.java times out while waiting for forked process

Issue ID	Summary
JDK-8322330	JavadocHelperTest.java OOMs with Parallel GC and ZGC
JDK-8322364	Parallel: Remove unused SizePolicyTrueValues enum members
JDK-8322366	Add IEEE rounding mode corruption check to JNI checks
JDK-8322377	Parallel: Remove unused arg in adjust_promo_for_pause_time and adjust_eden_for_pause_time
JDK-8322383	G1: Only preserve marks on objects that are actually moved
JDK-8322417	Console read line with zero out should zero out when throwing exception
JDK-8322418	Problem list gc/TestAllocHumongousFragment.java subtests for 8298781
JDK-8322477	order of subclasses in the permits clause can differ between compilations
JDK-8322484	22-b26 Regression in J2dBench-bimg_misc-G1 (and more) on Windows-x64 and macOS-x64
JDK-8322489	22-b27: Up to 7% regression in all Footprint3-*-G1/ZGC
JDK-8322490	cleanup CastNode construction
JDK-8322503	Shenandoah: Clarify gc state usage
JDK-8322512	StringBuffer.repeat does not work correctly after toString() was called
JDK-8322513	Build failure with minimal
JDK-8322532	JShell : Unnamed variable issue
JDK-8322535	Change default AArch64 SpinPause instruction

Issue ID	Summary
JDK-8322537	Parallel: Remove experimental adjustment in PSAdaptiveSizePolicy
JDK-8322538	remove fatal from JVM_VirtualThread functions for !INCLUDE_JVMTI
JDK-8322539	Parallel: Remove duplicated methods in PSAdaptiveSizePolicy
JDK-8322543	Parallel: Remove unused _major_pause_old_slope_counter
JDK-8322545	Declare newInsets as static in ThemeReader.cpp
JDK-8322565	(zipfs) Files.setPosixPermissions should preserve 'external file attributes' bits
JDK-8322568	JFR: Improve metadata for IEEE rounding mode fields
JDK-8322572	AllocationMergesTests.java fails with "IRViolationException: There were one or multiple IR rule failures."
JDK-8322583	RISC-V: Enable fast class initialization checks
JDK-8322589	Add Ideal transformation: $(\sim a) \& (\sim b) \Rightarrow \sim(a b)$
JDK-8322630	Remove ICStubs and related safepoints
JDK-8322636	[JVMCI] HotSpotSpeculationLog can be inconsistent across a single compile
JDK-8322637	java/foreign/critical/TestCriticalUpcall.java timed out
JDK-8322647	Short name for the Europe/Lisbon time zone is incorrect
JDK-8322648	Improve class initialization barrier in TemplateTable::_new for PPC
JDK-8322649	Improve class initialization barrier in TemplateTable::_new for S390

Issue ID	Summary
JDK-8322657	CDS filemap fastdebug assert while loading Graal CE Polyglot in isolated classloader
JDK-8322661	Build broken due to missing jvmtiExport.hpp after JDK-8320139
JDK-8322675	JFR: Fail-fast mode when constants cannot be resolved
JDK-8322692	ZGC: avoid over-unrolling due to hidden barrier size
JDK-8322694	C1: Handle Constant and IfOp in NullCheckEliminator
JDK-8322725	(tz) Update Timezone Data to 2023d
JDK-8322726	C2: Unloaded signature class kills argument value
JDK-8322732	ForkJoinPool may underutilize cores in async mode
JDK-8322734	A redundant return in method padWithLen
JDK-8322735	C2: minor improvements of bubble sort used in SuperWord::packset_sort
JDK-8322743	C2: prevent lock region elimination in OSR compilation
JDK-8322744	VirtualThread.notifyJvmtiDisableSuspend should be static
JDK-8322747	StringTable should be AllStatic
JDK-8322750	Test "api/java_awt/interactive/SystemTrayTests.html" failed because A blue ball icon is added outside of the system tray
JDK-8322751	ZGC: Fix comments about marking roots
JDK-8322753	RISC-V: C2 ReverseBytesV

Issue ID	Summary
JDK-8322754	click JComboBox when dialog about to close causes IllegalComponentStateException
JDK-8322757	Enable -Wparentheses warnings
JDK-8322758	Eliminate -Wparentheses warnings in C2 code
JDK-8322759	Eliminate -Wparentheses warnings in compiler code
JDK-8322765	Eliminate -Wparentheses warnings in runtime code
JDK-8322766	Micro bench SSLHandshake should use default algorithms
JDK-8322768	Optimize non-subword vector compress and expand APIs for AVX2 target.
JDK-8322772	Clean up code after JDK-8322417
JDK-8322779	C1: Remove the unused counter 'totalInstructionNodes'
JDK-8322781	C1: Debug build crash in GraphBuilder::vmap() when print stats
JDK-8322782	Clean up usages of unnecessary fully qualified class name "java.util.Arrays"
JDK-8322783	prioritize /etc/os-release over /etc/SuSE-release in hs_err/info output
JDK-8322790	RISC-V: Tune costs for shuffles with no conversion
JDK-8322799	Test JPKG003-013: ServiceTest fails because the user cannot uninstall the "servicetest" package on OEL 9.2 x64 and OEL 9.2 64-bit Arm (aarch64)
JDK-8322801	RISC-V: The riscv path of the debian sysroot had been changed
JDK-8322802	Add testing for ZipFile.getEntry respecting the 'Language encoding' flag

Issue ID	Summary
JDK-8322805	Eliminate -Wparentheses warnings in x86 code
JDK-8322806	Eliminate -Wparentheses warnings in aarch64 code
JDK-8322807	Eliminate -Wparentheses warnings in gc code
JDK-8322809	SystemModulesMap::classNames and moduleName arrays do not match the order
JDK-8322812	Manpage for jcmd is missing JFR.view command
JDK-8322815	Eliminate -Wparentheses warnings in shenandoah code
JDK-8322816	RISC-V: Incorrect guarantee in patch_vtype
JDK-8322817	RISC-V: Eliminate -Wparentheses warnings in riscv code
JDK-8322818	Thread::getStackTrace can fail with InternalError if virtual thread is timed-parked when pinned
JDK-8322828	Parallel: Rename ParallelCompactData::_region_start
JDK-8322829	Refactor nioBlocker to avoid blocking while holding Thread's interrupt lock
JDK-8322830	Add test case for ZipFile opening a ZIP with no entries
JDK-8322841	Parallel: Remove unused using-declaration in MutableNUMASpace
JDK-8322846	Running with -Djdk.tracePinnedThreads set can hang
JDK-8322847	java.lang.classfile.BufWriter should specify @throws for its writeXXX methods
JDK-8322853	Should use ConditionalMutexLocker in NativeHeapTrimmerThread::print_state

Issue ID	Summary
JDK-8322854	Incorrect rematerialization of scalar replaced objects in C2
JDK-8322858	compiler/c2/aarch64/TestFarJump.java fails on AArch64 due to unexpected PrintAssembly output
JDK-8322865	JavaDoc fails on aggregator modules
JDK-8322868	java/io/BufferedInputStream/TransferToTrusted.java has bad copyright header
JDK-8322873	Duplicate -ljava -ljvm options for libinstrument
JDK-8322874	Redirection loop in index.html
JDK-8322877	java/io/BufferedInputStream/TransferTo.java failed with IndexOutOfBoundsException
JDK-8322878	Including sealing information Class.toGenericString()
JDK-8322879	Eliminate -Wparentheses warnings in x86-32 code
JDK-8322880	Eliminate -Wparentheses warnings in arm32 code
JDK-8322881	java/nio/file/Files/CopyMoveVariations.java fails with AccessDeniedException due to permissions of files in /tmp
JDK-8322888	Parallel: Remove unused variables in PSPromotionManager
JDK-8322890	Directly return in OldPLABSizeConstraintFunc
JDK-8322920	Some ProcessTools.execute* functions are declared to throw Throwable
JDK-8322927	Unused code in LIR_Assembler::verify_oop_map

Issue ID	Summary
JDK-8322936	Update blessed-modifier-order.sh for default, sealed, and non-sealed
JDK-8322943	runtime/CompressedOops/CompressedClassPointers.java fails on AIX
JDK-8322945	Problemlist runtime/CompressedOops/CompressedClassPointers.java on AIX
JDK-8322954	Shenandoah: Convert evac-update closures asserts to rich asserts
JDK-8322957	Generational ZGC: Relocation selection must join the STS
JDK-8322962	Upcall stub might go undetected when freezing frames
JDK-8322963	ProblemList java/io/BufferedInputStream/TransferTo.java
JDK-8322971	KEM.getInstance() should check if a 3rd-party security provider is signed
JDK-8322976	Remove reference to transform_no_reclaim
JDK-8322978	Remove debug agent debugMonitorTimedWait() function. It is no longer used.
JDK-8322979	Add informative discussion to Modifier
JDK-8322980	Debug agent's dumpThread() API should update thread's name before printing it
JDK-8322981	Fix 2 locations in JDI that throw IOException without using the "Caused by" exception
JDK-8322982	CTW fails to build after 8308753
JDK-8322985	[BACKOUT] 8318562: Computational test more than 2x slower when AVX instructions are used
JDK-8322987	Remove gc/stress/gclocker/TestGCLocker* since they always fail with OOME

Issue ID	Summary
JDK-8322989	New test serviceability/HeapDump/FullGCHeapDumpLimitTest.java fails
JDK-8322992	Javac fails with StackOverflowError when compiling deeply nested synchronized blocks
JDK-8322996	BoxLockNode creation fails with assert(reg < CHUNK_SIZE) failed: sanity
JDK-8323000	Parallel: Remove unused class declarations in psScavenge
JDK-8323002	test/jdk/java/lang/Thread/virtual/stress/GetStackTraceALotWhenPinned.java times out on macosx-x64
JDK-8323005	Parallel: Refactor PSPromotionManager::claim_or_forward_depth
JDK-8323008	filter out harmful -std* flags added by autoconf from CXX
JDK-8323011	ProblemList serviceability/HeapDump/FullGCHeapDumpLimitTest.java
JDK-8323012	C2 fails with fatal error: no reachable node should have no use
JDK-8323016	Improve reporting for bad options
JDK-8323021	Shenandoah: Encountered reference count always attributed to first worker thread
JDK-8323032	OptimizedModuleHandlingTest failed in dynamic CDS archive mode
JDK-8323057	Recoverable errors may be reported before unrecoverable errors when annotation processing is skipped
JDK-8323058	Revisit j.l.classfile.CodeBuilder API surface
JDK-8323065	Unnecesary CodeBlob lookup in CompiledIC::internal_set_ic_destination

Issue ID	Summary
JDK-8323066	gc/g1/TestSkipRebuildRemsetPhase.java fails with 'Skipping Remembered Set Rebuild.' missing
JDK-8323073	ProblemList gc/g1/TestSkipRebuildRemsetPhase.java on linux-aarch64
JDK-8323075	ProblemList runtime/cds/appcds/jigsaw/modulepath/OptimizeModuleHandlingTest.java
JDK-8323086	Shenandoah: Heap could be corrupted by oom during evacuation
JDK-8323089	networkaddress.cache.ttl is not a system property
JDK-8323095	Expand TraceOptoParse block output abbreviations
JDK-8323101	C2: assert(n→in(0) == nullptr) failed: divisions with zero check should already have bailed out earlier in split-if
JDK-8323108	BufferedImage.setData(Raster) should not cast float and double values to integers
JDK-8323110	Eliminate -Wparentheses warnings in ppc code
JDK-8323115	x86-32: Incorrect predicates for cmov instruct transforms with UseSSE
JDK-8323116	[REDO] Computational test more than 2x slower when AVX instructions are used
JDK-8323122	AArch64: Increase itable stub size estimate
JDK-8323154	C2: assert(cmp != nullptr && cmp→Opcode() == Op_Cmp(bt)) failed: no exit test
JDK-8323159	Consider adding some text re. memory zeroing in Arena::allocate

Issue ID	Summary
JDK-8323170	j2dbench is using outdated javac source/target to be able to build by itself
JDK-8323183	ClassFile API performance improvements
JDK-8323188	JFR: Needless RESOURCE_ARRAY when sending EventOSInformation
JDK-8323190	Segfault during deoptimization of C2-compiled code
JDK-8323196	jdk/jfr/api/consumer/filestream/TestOrdered.java failed with "Events are not ordered! Reuse = false"
JDK-8323210	Update the usage of cmsFLAGS_COPY_ALPHA
JDK-8323213	Fix some javadoc broken links in ObjectReference, and other misc javadoc cleanups
JDK-8323220	Reassociate loop invariants involved in Cmps and Add/Subs
JDK-8323231	Improve array management
JDK-8323241	jcmm manpage should use lists for argument lists
JDK-8323243	JNI invocation of an abstract instance method corrupts the stack
JDK-8323264	Serial: Remove unused GenerationBlockSizeClosure
JDK-8323274	C2: array load may float above range check
JDK-8323276	StressDirListings.java fails on AIX
JDK-8323284	Remove unused FilteringClosure declaration
JDK-8323296	java/lang/Thread/virtual/stress/GetStackTraceALotWhenPinned.java#id1 timed out

Issue ID	Summary
JDK-8323297	Fix incorrect placement of precompiled.hpp include lines
JDK-8323318	Remove unused Space::is_free_block
JDK-8323330	[BACKOUT] JDK-8276809: java/awt/font/JNICheck/FreeTypeScalerJNICheck.java shows JNI warning on Windows
JDK-8323331	fix typo hpage_pdm_size
JDK-8323390	Enhance mask blit functionality
JDK-8323425	JFR: Auto-generated filename doesn't work with time-limited recording
JDK-8323428	Shenandoah: Unused memory in regions compacted during a full GC should be mangled
JDK-8323429	Missing C2 optimization for FP min/max when both inputs are same
JDK-8323438	Enhance assertions for Windows sync API failures
JDK-8323499	Remove unused methods in space.hpp
JDK-8323502	javac crash with wrongly typed method block in Flow
JDK-8323503	x86: Shorter movptr(reg, imm) for 32-bit unsigned immediates
JDK-8323508	Remove TestGCLockerWithShenandoah.java line from TEST.groups
JDK-8323515	Create test alias "all" for all test roots
JDK-8323518	Parallel: Remove unused methods in psParallelCompact.hpp
JDK-8323519	Add applications/ctw/modules to Hotspot tiered testing

Issue ID	Summary
JDK-8323520	Drop unnecessary virtual specifier in Space
JDK-8323529	Relativize test image dependencies in microbenchmarks
JDK-8323540	assert!((((method)→is_trace_flag_set(((1 << 4) << 8)))) failed: invariant
JDK-8323546	Cleanup jcmd docs for Compiler.perfmap and VM.cds filename parameter
JDK-8323552	AbstractMemorySegmentImpl#mismatch returns -1 when comparing distinct areas of the same instance of MemorySegment
JDK-8323554	The typos in Javadoc: "@return if "
JDK-8323556	CDS archive space addresses should be randomized with ArchiveRelocationMode=1
JDK-8323562	SaslInputStream.read() may return wrong value
JDK-8323571	Regression in source resolution process
JDK-8323576	[Windows] Fallthrough to ::abort instead of os::infinite_sleep for noreturn methods
JDK-8323577	C2 SuperWord: remove AlignVector restrictions on IR tests added in JDK-8305055
JDK-8323584	AArch64: Unnecessary ResourceMark in NativeCall::set_destination_mt_safe
JDK-8323595	is_aligned(p, alignof(OopT)) assertion fails in Jetty without compressed OOPs
JDK-8323601	Improve LayoutPath.PathElement::toString
JDK-8323605	Java source launcher should not require --source ... to enable preview

Issue ID	Summary
JDK-8323610	G1: HeapRegion pin count should be size_t to avoid overflows
JDK-8323612	IOVecWrapper should be changed to be TerminatingThreadLocal
JDK-8323616	[JVMCI] TestInvalidJVMCIOption.java fails intermittently with NPE
JDK-8323617	Add missing null checks to GetMousePositionWithPopup.java test
JDK-8323621	JDK build should exclude snippet class in java.lang.foreign
JDK-8323624	ProviderList.ServiceList does not need to be a list
JDK-8323627	Shenandoah: Refactor init logger
JDK-8323628	Update license on "pass-through" files
JDK-8323629	Shenandoah: Fix missing include and declaration
JDK-8323631	JfrTypeSet::write_klass can enqueue a CLD klass that is unloading
JDK-8323635	Test gc/g1/TestHumongousAllocConcurrentStart.java fails with -XX:TieredStopAtLevel=3
JDK-8323637	Capture hotspot replay files in GHA
JDK-8323640	[TESTBUG]testMemoryFailCount in jdk/internal/platform/docker/TestDockerMemoryMetrics.java always fail because OOM killed
JDK-8323641	Test compiler/loopopts/superword/TestAlignVectorFuzzer.java timed out
JDK-8323645	Remove unused internal sun.net.www.protocol.jar.URLJarFileCallBack interface

Issue ID	Summary
JDK-8323651	compiler/c2/irTests/TestPrunedExHandler.java fails with -XX:+DeoptimizeALot
JDK-8323657	Compilation of snippet results in VerifyError at runtime with --release 9 (and above)
JDK-8323659	LinkedTransferQueue add and put methods call overridable offer
JDK-8323660	Serial: Fix header ordering and indentation
JDK-8323664	java/awt/font/JNICheck/FreeTypeScalerJNICheck.java still fails with JNI warning on some Windows configurations
JDK-8323667	Library debug files contain non-reproducible full gcc include paths
JDK-8323670	A few client tests intermittently throw ConcurrentModificationException
JDK-8323671	DevKit build gcc libraries contain full paths to source location
JDK-8323675	Race in jdk.javadoc-gendata
JDK-8323680	SA PointerFinder code can do a better job of leveraging existing code to determine if an address is in the TLAB
JDK-8323681	SA PointerFinder code should support G1
JDK-8323682	C2: guard check is not generated in Arrays.copyOfRange intrinsic when allocation is eliminated by EA
JDK-8323684	TypeMirror.{getAnnotationsByType, getAnnotation} return uninformative results
JDK-8323685	PrintSystemDictionaryAtExit has mutex rank assert
JDK-8323693	Update some copyright announcements in the new files created in 8234502

Issue ID	Summary
JDK-8323694	RISC-V: Unnecessary ResourceMark in NativeCall::set_destination_mt_safe
JDK-8323695	RenderPerf (2D) enhancements (23.12)
JDK-8323698	Class use page does not include extends/implements type arguments
JDK-8323699	MessageFormat.toPattern() generates non-equivalent MessageFormat pattern
JDK-8323700	Add fontconfig requirement to building.md for Alpine Linux
JDK-8323707	Adjust Classfile API's type arg model to better represent the embodied type
JDK-8323710	(fc) FileChannel.lock creates a FileKey with a poor hashCode after JDK-8321429 (win)
JDK-8323715	Serial: Move genMemoryPools to serial folder
JDK-8323716	Only print ZGC Phase Switch events in hs_err files when running with ZGC
JDK-8323717	Introduce test keyword for tests that need external dependencies
JDK-8323722	Serial: Remove unused no_gc_in_progress
JDK-8323724	Remove potential re-inflation from FastHashCode under LM_LIGHTWEIGHT
JDK-8323726	Serial: Remove unused definitions in Generation
JDK-8323730	Tweak TestZAllocationStallEvent.java to allocate smaller objects
JDK-8323731	Unproblemlist gc/stress/TestStressG1Humongous.java
JDK-8323738	Serial: Remove unreachable methods in Generation

Issue ID	Summary
JDK-8323745	Missing comma in copyright header in TestScope
JDK-8323746	Add PathElement hashCode and equals
JDK-8323748	RISC-V: Add Zfh probe code
JDK-8323779	Serial: Remove Generation::promotion_attempt_is_safe
JDK-8323780	Serial: Remove unused _full_collections_completed
JDK-8323782	Race: Thread::interrupt vs. AbstractInterruptibleChannel.begin
JDK-8323794	Remove unused jimage compressor plugin configuration
JDK-8323795	jcmm Compiler.codecache should print total size of code cache
JDK-8323800	Serial: Fix include guard macro in generation.hpp
JDK-8323801	<s> tag doesn't strikethrough the text
JDK-8323809	Serial: Refactor card table verification
JDK-8323815	Source launcher should find classes with \$ in names
JDK-8323820	[MacOS] build failure: non-void function does not return a value
JDK-8323835	Updating ASM to 9.6 for JDK 23
JDK-8323839	Expand use of Messenger convenience methods in langtools regression tests
JDK-8323883	JFR AssertionError: Missing object ID 15101
JDK-8323900	Avoid calling os::init_random() in CDS static dump

Issue ID	Summary
JDK-8323950	Null CLD while loading shared lambda proxy class with javaagent active
JDK-8323964	runtime/Thread/ThreadCountLimit.java fails intermittently on AIX
JDK-8323972	C2 compilation fails with assert(!x→as_Loop()→is_loop_nest_inner_loop()) failed: loop was transformed
JDK-8323993	Serial: Refactor gc_prologue and gc_epilogue
JDK-8323994	gtest runner repeats test name for every single gtest assertion
JDK-8323995	Suppress notes generated on incremental microbenchmark builds
JDK-8324041	ModuleOption.java failed with update release versioning scheme
JDK-8324050	Issue store-store barrier after re-materializing objects during deoptimization
JDK-8324053	Use the blessed modifier order for sealed in java.base
JDK-8324065	Daylight saving information for Africa/Casablanca are incorrect
JDK-8324066	"clhsdb jstack" should not by default scan for j.u.c locks because it can be very slow
JDK-8324074	increase timeout for jvmci test TestResolvedJavaMethod.java
JDK-8324082	more monitoring test timeout adjustments
JDK-8324089	Fix typo in the manual page for "jcmd" (man jcmd)
JDK-8324121	SIGFPE in PhaseldealLoop::extract_long_range_checks
JDK-8324123	aarch64: fix prfm literal encoding in assembler

Issue ID	Summary
JDK-8324125	Improve class initialization barrier in TemplateTable::_new for RISC-V
JDK-8324126	Error message for mistyping -XX:+Unlock...Options is not helpful
JDK-8324129	C2: Remove some ttyLocker usages in preparation for JDK-8306767
JDK-8324132	G1: Remove unimplemented G1MonitoringSupport::recalculate_eden_size
JDK-8324147	Serial: Remove generation::compute_new_size
JDK-8324161	validate-source fails after JDK-8275338
JDK-8324174	assert(m→is_entered(current)) failed: invariant
JDK-8324186	Use "dmb.ishst+dmb.ishld" for release barrier
JDK-8324207	Serial: Remove Space::set_saved_mark_word
JDK-8324210	Serial: Remove unused methods in Generation
JDK-8324213	C1: There is no need for Canonicalizer to handle IfOp
JDK-8324220	jdk/jfr/event/io/TestSerializationMisdeclarationEvent.java had 22 failures
JDK-8324229	JFR: Temporarily disable assertion for missing object reference
JDK-8324231	bad command-line option in make/Docs.gmk
JDK-8324236	compiler/ciReplay/TestInliningProtectionDomain.java failed with RuntimeException: should only dump inline information for ... expected true, was false

Issue ID	Summary
JDK-8324238	[macOS] java/awt/Frame/ShapeNotSetSometimes/ShapeNotSetSometimes.java fails with the shape has not been applied msg
JDK-8324240	Remove unused GrowableView::EMPTY
JDK-8324241	Always record evol_method deps to avoid excessive method flushing
JDK-8324242	Avoid null check for OopHandle::ptr_raw()
JDK-8324243	Compilation failures in java.desktop module with gcc 14
JDK-8324280	RISC-V: Incorrect implementation in VM_Version::parse_satp_mode
JDK-8324286	Fix backsliding on use of nullptr instead of NULL
JDK-8324287	Record total and free swap space in JFR
JDK-8324301	Obsolete MaxGCMinorPauseMillis
JDK-8324304	RISC-V: add hw probe flags
JDK-8324334	Shenandoah: Improve end of process report
JDK-8324341	Remove redundant preprocessor #if's checks
JDK-8324342	Doclet should default @since for a nested class to that of its enclosing class
JDK-8324347	Enable "maybe-uninitialized" warning for FreeType 2.13.1
JDK-8324492	Remove Atomic support for OopHandle
JDK-8324512	Serial: Remove Generation::Name

Issue ID	Summary
JDK-8324513	Inline ContiguousSpace::object_iterate_from
JDK-8324514	ClassLoaderData::print_on should print address of class loader
JDK-8324517	C2: crash in compiled code because of dependency on removed range check CastIIs
JDK-8324537	Remove superfluous _FILE_OFFSET_BITS=64
JDK-8324539	Do not use LFS64 symbols in JDK libs
JDK-8324543	Remove Space::object_iterate
JDK-8324553	Shenandoah: Move periodic tasks closer to their collaborators
JDK-8324559	Improve 2D image handling
JDK-8324571	JDK 23 L10n resource files update
JDK-8324577	[REDO] - [IMPROVE] OPEN_MAX is no longer the max limit on macOS >= 10.6 for RLIMIT_NOFILE
JDK-8324578	[BACKOUT] [IMPROVE] OPEN_MAX is no longer the max limit on macOS >= 10.6 for RLIMIT_NOFILE
JDK-8324580	SIGFPE on THP initialization on kernels < 4.10
JDK-8324582	Replace -Djava.util.concurrent.ForkJoinPool.common.parallelism to -Djdk.virtualThreadScheduler.maxPoolSize in jvmti vthread tests
JDK-8324584	Optimize Symbol and char* handling in ClassLoader
JDK-8324585	JVM native memory leak in PCKS11-NSS security provider

Issue ID	Summary
JDK-8324598	use mem_unit when working with sysinfo memory and swap related information
JDK-8324613	Serial: Rename GenerationPool to TenuredGenerationPool
JDK-8324630	C1: Canonicalizer::do_LookupSwitch doesn't break the loop when the successor is found
JDK-8324632	Update Zlib Data Compression Library to Version 1.3.1
JDK-8324635	(zipfs) Regression in Files.setPosixFilePermissions called on existing MSDOS entries
JDK-8324636	Serial: Remove Generation::block_is_obj
JDK-8324637	[aix] Implement support for reporting swap space in jdk.management
JDK-8324641	[IR Framework] Add Setup method to provide custom arguments and set fields
JDK-8324646	Avoid Class.forName in SecureRandom constructor
JDK-8324647	Invalid test group of lib-test after JDK-8323515
JDK-8324648	Avoid NoSuchMethodError when instantiating NativePRNG
JDK-8324649	Shenandoah: replace implementation of free set
JDK-8324655	Identify integer minimum and maximum patterns created with if statements
JDK-8324657	Intermittent OOME on exception message create
JDK-8324659	GHA: Generic jtreg errors are not reported

Issue ID	Summary
JDK-8324665	Loose matching of space separators in the lenient date/time parsing mode
JDK-8324667	fold Parse::seems_stable_comparison()
JDK-8324668	JDWP process management needs more efficient file descriptor handling
JDK-8324673	javacserver failed during build: RejectedExecutionException
JDK-8324678	Replace NULL with nullptr in HotSpot gtests
JDK-8324679	Replace NULL with nullptr in HotSpot .ad files
JDK-8324680	Replace NULL with nullptr in JVM TI generated code
JDK-8324681	Replace NULL with nullptr in HotSpot jtreg test native code files
JDK-8324682	Remove redefinition of NULL for XLC compiler
JDK-8324683	Unify AttachListener code for Posix platforms
JDK-8324717	Remove HotSpotJVMCICompilerFactory
JDK-8324722	Serial: Inline block_is_obj of subclasses of Generation
JDK-8324723	GHA: Upgrade some actions to avoid deprecated Node 16
JDK-8324724	Add Stub routines for FP16 conversions on aarch64
JDK-8324733	[macos14] Problem list tests which fail due to macOS bug described in JDK-8322653
JDK-8324734	Relax too-strict assert(VM_Version::supports_evex()) in Assembler::locate_operand()

Issue ID	Summary
JDK-8324736	Invalid end positions for EMPTY_STATEMENT
JDK-8324750	C2: rename Matcher methods using "superword" → "autovectorization"
JDK-8324752	C2 Superword: remove SuperWordRTDepCheck
JDK-8324753	[AIX] adjust os_posix after JDK-8318696
JDK-8324755	Enable parallelism in vmTestbase/gc/gctests/LargeObjects tests
JDK-8324765	C2 SuperWord: remove dead code: SuperWord::insert_extracts
JDK-8324769	Serial: Remove unused TenuredGeneration::unsafe_max_alloc_nogc
JDK-8324771	Obsolete RAMFraction related flags
JDK-8324774	Add DejaVu web fonts
JDK-8324775	C2 SuperWord: refactor visited sets
JDK-8324776	runtime/os/TestTransparentHugePageUsage.java fails with The usage of THP is not enough
JDK-8324781	runtime/Thread/TestAlwaysPreTouchStacks.java failed with Expected a higher ratio between stack committed and reserved
JDK-8324785	ProblemList two tests on linux due to JDK-8315923
JDK-8324786	validate-source fails after JDK-8042981
JDK-8324790	ifnode::fold_compares_helper cleanup
JDK-8324794	C2 SuperWord: do not ignore reductions in SuperWord::unrolling_analysis

Issue ID	Summary
JDK-8324799	Use correct extension for C++ test headers
JDK-8324800	gcc windows build broken after 8322757
JDK-8324807	Manual printer tests have no Pass/Fail buttons, instructions close set 2
JDK-8324808	Manual printer tests have no Pass/Fail buttons, instructions close set 3
JDK-8324809	compiler can crash with SOE while proving if two recursive types are disjoint
JDK-8324817	Parallel GC does not pre-touch all heap pages when AlwaysPreTouch enabled and large page disabled
JDK-8324824	AArch64: Detect Ampere-1B core and update default options for Ampere CPUs
JDK-8324828	Avoid multiple search of reserved regions during splitting
JDK-8324829	Uniform use of synchronizations in NMT
JDK-8324832	JFR: Improve sorting of 'jfr summary'
JDK-8324834	Use _LARGE_FILES on AIX
JDK-8324838	test_nmt_locationprinting.cpp broken in the gcc windows build
JDK-8324840	windows-x64-slowdebug does not build anymore after JDK-8317572
JDK-8324841	PKCS11 tests still skip execution
JDK-8324845	management.properties text "interface name" is misleading
JDK-8324856	Serial: Move Generation::is_in to DefNewGeneration

Issue ID	Summary
JDK-8324858	[vectorapi] Bounds checking issues when accessing memory segments
JDK-8324861	Exceptions::wrap_dynamic_exception() doesn't have ResourceMark
JDK-8324865	windows-x64-slowdebug still does not build after JDK-8324840
JDK-8324868	debug agent does not properly handle interrupts of a virtual thread
JDK-8324874	AArch64: crypto pmull based CRC32/CRC32C intrinsics clobber V8-V15 registers
JDK-8324880	Rename get_stack_trace.h
JDK-8324881	ObjectSynchronizer::inflate(Thread* current...) is invoked for non-current thread
JDK-8324890	C2 SuperWord: refactor out VLoop, make unrolling_analysis static, remove init/reset mechanism
JDK-8324933	ConcurrentHashTable::statistics_calculate synchronization is expensive
JDK-8324937	GHA: Avoid multiple test suites per job
JDK-8324950	IGV: save the state to a file
JDK-8324960	Unsafe.allocateMemory documentation incorrect regarding zero return value
JDK-8324969	C2: prevent elimination of unbalanced coarsened locking regions
JDK-8324970	Serial: Refactor signature of maintain_old_to_young_invariant
JDK-8324974	JFR: EventCompilerPhase should be created as UNTIMED
JDK-8324981	Shenandoah: Move commit and soft max heap changed methods into heap

Issue ID	Summary
JDK-8324983	race in CompileBroker::possibly_add_compiler_threads
JDK-8324998	Add test cases for String.regionMatches comparing Turkic dotted/dotless I with uppercase latin I
JDK-8325001	Typo in the javadocs for the Arena::ofShared method
JDK-8325022	Incorrect error message on client authentication
JDK-8325024	java/security/cert/CertPathValidator/OCSP/OCSPTimeout.java incorrect comment information
JDK-8325028	(ch) Pipe channels should lazily set socket to non-blocking mode on first use by virtual thread
JDK-8325037	x86: enable and fix hotspot/jtreg/compiler/vectorization/TestRoundVectFloat.java
JDK-8325038	runtime/cds/appcds/ProhibitedPackage.java can fail with UseLargePages
JDK-8325042	remove unused JVMDITools test files
JDK-8325049	stubGenerator_ppc.cpp should use alignas
JDK-8325053	Serial: Move Generation::save_used_region to TenuredGeneration
JDK-8325055	Rename Injector.h
JDK-8325064	C2 SuperWord: refactor construct_bb
JDK-8325074	ZGC fails assert(index == 0 is_power_of_2(index)) failed: Incorrect load shift: 11

Issue ID	Summary
JDK-8325078	Better escaping of single and double quotes in javac annotation toString() results
JDK-8325081	Move '_soft_ref_policy' to 'CollectedHeap'
JDK-8325082	Rename headers named 'heapRegion*' of G1
JDK-8325083	jdk/incubator/vector/Double512VectorTests.java crashes in Assembler::vex_prefix_and_encode
JDK-8325088	Overloads that differ in type parameters may be lost
JDK-8325095	C2: bailout message broken: ResourceArea allocated string used after free
JDK-8325096	Test java/security/cert/CertPathBuilder/akiExt/AKISerialNumber.java is failing
JDK-8325109	Sort method modifiers in canonical order
JDK-8325116	Amend jdk.ContainerConfiguration by swap related value
JDK-8325133	Missing MEMFLAGS parameter in parts of os API
JDK-8325134	Serial: Remove Generation::used_region
JDK-8325137	com/sun/management/ThreadMXBean/ThreadCpuTimeArray.java can fail in Xcomp with out of expected range
JDK-8325139	JFR SwapSpace event - add free swap space information on Linux when running in a container environment
JDK-8325144	C1: Optimize CriticalEdgeFinder
JDK-8325148	Enable restricted javac warning in java.base

Issue ID	Summary
JDK-8325150	(tz) Update Timezone Data to 2024a
JDK-8325152	Clarify specification of java.io.RandomAccessFile.setLength
JDK-8325153	SEGV in stackChunkOopDesc::derelativize_address(int)
JDK-8325159	C2 SuperWord: measure time for CTime
JDK-8325162	Remove duplicate GCMParameters class
JDK-8325164	Named groups and signature schemes unavailable with SunPKCS11 in FIPS mode
JDK-8325168	JShell should support Markdown comments
JDK-8325169	Reduce String::indexOf overheads
JDK-8325179	Race in BasicDirectoryModel.validateFileCache
JDK-8325180	Rename jvmti_FollowRefObjects.h
JDK-8325186	JVMTI VirtualThreadGetThreadStateClosure class is no longer used and should be removed
JDK-8325187	JVMTI GetThreadState says virtual thread is JVMTL_THREAD_STATE_INTERRUPTED when it no longer is
JDK-8325189	Enable this-escape javac warning in java.base
JDK-8325194	GHA: Add macOS M1 testing
JDK-8325199	(zipfs) jdk/nio/zipfs/TestPosix.java failed 6 sub-tests

Issue ID	Summary
JDK-8325201	(zipfs) Disable TestPosix.setPermissionsShouldConvertToUnix which fails on Windows
JDK-8325202	gc/g1/TestMarkStackOverflow.java intermittently crash: G1CMMarkStack::ChunkAllocator::allocate_new_chunk
JDK-8325203	System.exit(0) kills the launched 3rd party application
JDK-8325213	Flags introduced by configure script are not passed to ADLC build
JDK-8325215	Incorrect not exhaustive switch error
JDK-8325217	MethodSymbol.getModifiers() returns SEALED for restricted methods
JDK-8325218	gc/parallel/TestAlwaysPreTouchBehavior.java fails
JDK-8325221	Obsolete TLABStats
JDK-8325247	Memory leak in SessionKeyRef class def when using PKCS11 security provider
JDK-8325248	Serial: Remove Generation::space_iterate
JDK-8325252	C2 SuperWord: refactor the packset
JDK-8325254	CKA_TOKEN private and secret keys are not necessarily sensitive
JDK-8325255	jdk.internal.util.ReferencedKeySet::add using wrong test
JDK-8325257	jshell reports NoSuchFieldError with instanceof primitive type
JDK-8325259	Serial: Inline OldGenScanClosure during Young GC
JDK-8325262	jdeps can drop printing stack trace when FindException is thrown due to modules not found

Issue ID	Summary
JDK-8325264	two compiler/intrinsics/float16 tests fail after JDK-8324724
JDK-8325266	Enable this-escape javac warning in jdk.javadoc
JDK-8325268	Add policy statement to langtools makefiles concerning warnings
JDK-8325270	ProblemList two compiler/intrinsics/float16 tests that fail due to JDK-8324724
JDK-8325280	Update troff manpages in JDK 23 before RC
JDK-8325302	Files.move(REPLACE_EXISTING) throws NoSuchFileException on deleted target
JDK-8325303	Replace markWord.is_neutral() with markWord.is_unlocked()
JDK-8325304	Several classes in java.util.jar and java.util.zip don't specify the behaviour for null arguments
JDK-8325306	Rename static huge pages to explicit huge pages
JDK-8325309	Amend "Listeners and Threads" in AWTThreadIssues.html
JDK-8325313	Header format error in TestIntrinsicBailOut after JDK-8317299
JDK-8325324	Implement JEP 477: Implicitly Declared Classes and Instance Main Methods (Third Preview)
JDK-8325325	Breadcrumb navigation shows preview link for modules and packages
JDK-8325326	[PPC64] Don't relocate in case of allocation failure
JDK-8325340	Add ASCII fast-path to Data-/ObjectInputStream.readUTF
JDK-8325342	Remove unneeded exceptions in compare.sh

Issue ID	Summary
JDK-8325347	Rename native_thread.h
JDK-8325361	Make sun.net.www.MessageHeader final
JDK-8325362	Allow to create a simple in-memory input JavaFileObject
JDK-8325367	Rename nsk_list.h
JDK-8325369	[@sealedGraph] Bad link to image for tag on nested classes
JDK-8325371	Missing ClassFile.Option in package summary
JDK-8325372	Shenandoah: SIGSEGV crash in unnecessary_acquire due to LoadStore split through phi
JDK-8325373	Improve StackCounter error reporting for bad switch cases
JDK-8325382	(fc) FileChannel.transferTo throws IOException when position equals size
JDK-8325384	sun/security/ssl/SSLSessionImpl/ResumptionUpdateBoundValues.java failing intermittently when main thread is a virtual thread
JDK-8325395	Missing copyright header in StackFilter.java
JDK-8325399	Add tests for virtual threads doing Selector operations
JDK-8325403	Add SystemGC JMH benchmarks
JDK-8325416	Parallel: Refactor CheckForUnmarkedOps
JDK-8325432	enhance assert message "relocation addr must be in this section"
JDK-8325433	Type annotations on primitive types are not linked

Issue ID	Summary
JDK-8325435	[macos] Menu or JPopupMenu not closed when main window is resized
JDK-8325436	G1: Remove unused G1RegionMarkStats::is_clear
JDK-8325437	Safepoint polling in monitor deflation can cause massive logs
JDK-8325440	Confusing error reported for octal literals with wrong digits
JDK-8325441	IGV: update pom.xml such that IntelliJ can import as maven project
JDK-8325444	GHA: JDK-8325194 causes a regression
JDK-8325449	[BACKOUT] use "dmb.ishst+dmb.ishld" for release barrier
JDK-8325451	Missed elimination of assertion predicates
JDK-8325456	Rename nsk_mutex.h
JDK-8325458	Rename mlvmJvmtiUtils.h
JDK-8325464	GCCause.java out of sync with gcCause.hpp
JDK-8325469	Freeze/Thaw code can crash in the presence of OSR frames
JDK-8325470	[AIX] use fclose after fopen in read_psinfo
JDK-8325471	CHeapBitMap(MEMFLAGS flags) constructor misleading use of super-constructor
JDK-8325485	IncrementInstructions.of(int, int) is not storing the args
JDK-8325494	C2: Broken graph after not skipping CastII node anymore for Assertion Predicates after JDK-8309902

Issue ID	Summary
JDK-8325496	Make TrimNativeHeapInterval a product switch
JDK-8325503	Add GC specific prefix for CheckForUnmarked related classes
JDK-8325505	Fix Javadoc ResourceBundle::getString
JDK-8325506	Ensure randomness is only read from provided SecureRandom object
JDK-8325510	Serial: Remove redundant arg in non_clean_card_iterate
JDK-8325516	Shenandoah: Move heap change tracking into ShenandoahHeap
JDK-8325517	Shenandoah: Reduce unnecessary includes from shenandoahControlThread.cpp
JDK-8325520	Vector loads and stores with indices and masks incorrectly compiled
JDK-8325529	Remove unused imports from ModuleGenerator test file
JDK-8325530	Vague error message when com.sun.tools.attach.VirtualMachine fails to load agent library
JDK-8325532	serviceability/dcmd/compiler/PerfMapTest.java leaves created files in the /tmp dir.
JDK-8325536	JVM crash during CDS archive creation with -XX:+AllowArchivingWithJavaAgent
JDK-8325541	C2 SuperWord: refactor filter / split
JDK-8325542	CTW: Runner can produce negative StressSeed
JDK-8325551	Remove unused obj_is_alive and block_start in Space

Issue ID	Summary
JDK-8325553	Parallel: Use per-marker cache for marking stats during Full GC
JDK-8325558	Add jcheck whitespace checking for properties files
JDK-8325563	Remove unused Space::is_in
JDK-8325565	Remove unused SpaceClosure
JDK-8325567	jspawnhelper without args fails with segfault
JDK-8325569	ProblemList gc/parallel/TestAlwaysPreTouchBehavior.java on linux
JDK-8325570	Update to Graphviz 9.0.0
JDK-8325574	Shenandoah: Simplify and enhance reporting of requested GCs
JDK-8325579	Inconsistent behavior in com.sun.jndi.ldap.Connection::createSocket
JDK-8325587	Shenandoah: ShenandoahLock should allow blocking in VM
JDK-8325589	C2 SuperWord refactoring: create VLoopAnalyzer with Submodules
JDK-8325590	Regression in round-tripping UTF-16 strings after JDK-8311906
JDK-8325600	Better symbol storage
JDK-8325606	compiler/predicates/TestPredicatesBasic.java does not compile
JDK-8325610	CTW: Add StressIncrementalInlining to stress options
JDK-8325613	CTW: Stale method cleanup requires GC after Sweeper removal
JDK-8325616	JFR ZGC Allocation Stall events should record stack traces

Issue ID	Summary
JDK-8325620	HTMLReader uses ConvertAction instead of specified CharacterAction for , <i>, <u>
JDK-8325621	Improve jspawnhelper version checks
JDK-8325626	Allow selection of non-matching configurations using CONF=!string
JDK-8325633	Use stricter assertion in callers of Space::is_aligned
JDK-8325635	Serial: Inline verify_used_region_at_save_marks
JDK-8325643	G1: Refactor G1FlushHumongousCandidateRemSets
JDK-8325650	Table of contents scroll timeout not long enough
JDK-8325651	C2 SuperWord: refactor the dependency graph
JDK-8325653	Erroneous exhaustivity analysis for primitive patterns
JDK-8325659	Normalize Random usage by incubator vector tests
JDK-8325671	Shenandoah: Introduce a ShenandoahGenerationType and templatize certain marking closures with it
JDK-8325672	C2: allocate PhaseIdealLoop::_loop_or_ctrl from C → comp_arena()
JDK-8325680	Uninitialised memory in deleteGSSCB of GSSLibStub.c:179
JDK-8325682	Rename nsk_strace.h
JDK-8325687	SimpleJavaFileObject specification would benefit from implSpec
JDK-8325725	Parallel: Refactor PParallelCompact::fill_dense_prefix_end

Issue ID	Summary
JDK-8325730	StringBuilder.toString allocation for the empty String
JDK-8325731	Installation instructions for Debian/Ubuntu don't mention autoconf
JDK-8325742	Remove MetaWord usage from MemRegion
JDK-8325743	test/jdk/java/nio/channels/unixdomain/SocketOptions.java enhance user name output in error case
JDK-8325746	Refactor Loop Unswitching code
JDK-8325748	Serial: Move Generation::promote to TenuredGeneration
JDK-8325750	Fix spelling of ForceTranslateFailure help message
JDK-8325752	Remove badMetaWordVal
JDK-8325754	Dead AbstractQueuedSynchronizer\$ConditionNodes survive minor garbage collections
JDK-8325762	Use PassFailJFrame.Builder.splitUI() in PrintLatinCJKTest.java
JDK-8325763	Revert properties: vm.opt.x.*
JDK-8325767	Serial: Move transform_stack_chunk out of TenuredGeneration::promote
JDK-8325800	Drop unused cups declaration from Oracle build configuration
JDK-8325805	Compiler Implementation for Flexible Constructor Bodies (Second Preview)
JDK-8325807	Shenandoah: Refactor full gc in preparation for generational mode changes
JDK-8325809	JFR: Remove unnecessary annotation

Issue ID	Summary
JDK-8325841	Remove unused references to vmSymbols.hpp
JDK-8325851	Hide PassFailJFrame.Builder constructor
JDK-8325857	G1 Full GC flushes mark stats cache too early
JDK-8325860	Serial: Move Generation.java to serial folder
JDK-8325862	set -XX:+ErrorFileToStderr when executing java in containers for some container related jtreg tests
JDK-8325870	Zap end padding bits for ArrayOops in non-release builds
JDK-8325871	Move StringTable and SymbolTable rehashing calls
JDK-8325872	Make GuaranteedSafepointInterval default 0
JDK-8325874	Improve checkbox-based interface in summary pages
JDK-8325876	crashes in docker container tests on Linuxppc64le Power8 machines
JDK-8325877	Split up NativeCompilation.gmk
JDK-8325878	Require minimum Clang version 13
JDK-8325880	Require minimum Open XL C/C++ version 17.1.1
JDK-8325881	Require minimum gcc version 10
JDK-8325882	Serial: Move is_maximal_no_gc to TenuredGeneration
JDK-8325883	Move Monitor Deflation reporting out of safepoint cleanup

Issue ID	Summary
JDK-8325897	Parallel: Remove PSYoungGen::is_maximal_no_gc
JDK-8325898	ChoiceFormat returns erroneous result when formatting bad pattern
JDK-8325906	Problemlist vmTestbase/vm/mlvm/meth/stress/compiler/deoptimize/Test.java#id1 until JDK-8320865 is fixed
JDK-8325908	Finish removal of IntlTest and CollatorTest
JDK-8325910	Rename jnihelper.h
JDK-8325932	Replace ATTRIBUTE_NORETURN with direct
JDK-8325941	Remove unused Space::block_size
JDK-8325950	Make sure all files in the JDK pass jcheck
JDK-8325963	Clean up NativeCompilation.gmk and its newly created parts
JDK-8325972	Add -x to bash for building with LOG=debug
JDK-8325983	Build failure after JDK-8324580
JDK-8325984	4 jcstress tests are failing in Tier6 4 times each
JDK-8325990	Remove use of snippet @replace annotation in java.base
JDK-8325991	Accelerate Poly1305 on x86_64 using AVX2 instructions
JDK-8325994	JFR: Examples in JFR.start help use incorrect separator
JDK-8326000	Remove obsolete comments for class sun.security.ssl.SunJSSE

Issue ID	Summary
JDK-8326006	Allow TEST_VM_FLAGLESS to set flagless mode
JDK-8326062	ProblemList jctest tests that are failing due to JDK-8325984
JDK-8326065	Merge Space into ContiguousSpace
JDK-8326067	Remove os::remap_memory and simplify os::map_memory
JDK-8326089	Text incorrectly placed in breadcrumbs list in generated docs
JDK-8326090	Rename jvmti_aod.h
JDK-8326096	Deprecate getTotalIn, getTotalOut methods of java.util.zip.Inflater, java.util.zip.Deflater
JDK-8326099	GZIPOutputStream should use Deflater.getBytesRead() instead of Deflater.getTotalIn()
JDK-8326100	DeflaterDictionaryTests should use Deflater.getBytesWritten instead of Deflater.getTotalOut
JDK-8326101	[PPC64] Need to bailout cleanly if creation of stubs fails when code cache is out of space
JDK-8326106	Write and clear stack trace table outside of safepoint
JDK-8326111	JFR: Cleanup for JFR_ONLY
JDK-8326112	Javadoc snippet for Linker.Option.captureCallState is wrong
JDK-8326116	JFR: Add help option to -XX:StartFlightRecording

Issue ID	Summary
JDK-8326117	ProblemList serviceability/jvmti/vthread/SuspendWithInterruptLock/SuspendWithInterruptLock.java#default in Xcomp mode
JDK-8326120	ProblemList sun/java2d/X11SurfaceData/SharedMemoryPixmapsTest/SharedMemoryPixmapsTest.sh on macosx-aarch64
JDK-8326121	vmTestbase/gc/g1/unloading/tests/unloading_keepRef_rootClass_inMemoryCompilation_keep_cl failed with Full gc happened. Test was useless.
JDK-8326126	Update the java manpage with the changes from JDK-8322478
JDK-8326127	JFR: Add SafepointCleanupTask to hardToTestEvents of TestLookForUntestedEvents
JDK-8326129	Java Record Pattern Match leads to infinite loop
JDK-8326135	Enhance adlc to report unused operands
JDK-8326139	C2 SuperWord: split packs (match use/def packs, implemented, mutual independence)
JDK-8326140	src/jdk.accessibility/windows/native/libjavaaccessbridge/AccessBridgeJavaEntryPoints.cpp ReleaseStringChars might be missing in early returns
JDK-8326150	Typo in the documentation for jdk.jshell
JDK-8326152	Bad copyright header in test/jdk/java/util/zip/DeflaterDictionaryTests.java
JDK-8326158	Javadoc for java.time.DayOfWeek#minus(long)
JDK-8326170	Parallel: Remove unused enum CollectionType in ParallelScavengeHeap

Issue ID	Summary
JDK-8326171	Serial: Remove VerifyGCLevel
JDK-8326172	Dubious claim on long[]/double[] alignment in MemorySegment javadoc
JDK-8326196	Serial: Remove SerialHeap::generation_iterate
JDK-8326201	[S390] Need to bailout cleanly if creation of stubs fails when code cache is out of space
JDK-8326204	yield statements doesn't allow cast expressions with more than 1 type arguments
JDK-8326209	G1: Remove G1ConcurrentMark::_total_cleanup_time
JDK-8326219	applications/kitchensink/Kitchensink8H.java timed out
JDK-8326222	Fix copyright year in src/hotspot/share/gc/shenandoah/shenandoahHeap.cpp
JDK-8326233	Utils#copySSLParameters loses needClientAuth Setting
JDK-8326235	RISC-V: Size CodeCache for short calls encoding
JDK-8326306	RISC-V: Re-structure MASM calls and jumps
JDK-8326319	G1: Remove unused G1ConcurrentMark::_init_times
JDK-8326332	Unclosed inline tags cause misalignment in summary tables
JDK-8326333	jshell <TAB> completion on arrays is incomplete
JDK-8326334	JFR failed assert(used(klass)) failed: invariant
JDK-8326351	Update the Zlib version in open/src/java.base/share/legal/zlib.md to 1.3.1

Issue ID	Summary
JDK-8326368	compare.sh -2bins prints ugly errors on Windows
JDK-8326370	Remove redundant and misplaced micros from StringBuffers
JDK-8326371	[BACKOUT] Clean up NativeCompilation.gmk and its newly created parts
JDK-8326375	[REDO] Clean up NativeCompilation.gmk and its newly created parts
JDK-8326376	java -version failed with CONF=fastdebug -XX:InitialCodeCacheSize=1024K -XX:ReservedCodeCacheSize=1200k
JDK-8326378	[PPC64] CodeEntryAlignment too large
JDK-8326381	com.sun.net.httpserver.HttpsParameters and SSLStreams incorrectly handle needClientAuth and wantClientAuth
JDK-8326385	[aarch64] C2: lightweight locking nodes kill the box register without specifying this effect
JDK-8326389	[test] improve assertEquals failure output
JDK-8326404	Assertion error when trying to compile switch with fallthrough with pattern
JDK-8326406	Remove mapfile support from makefiles
JDK-8326412	debuginfo files should not have executable bit set
JDK-8326414	Serial: Inline SerialHeap::create_rem_set
JDK-8326421	Add jtreg test for large arrayCopy disjoint case.
JDK-8326433	Make file-local functions static in src/jdk.jdwp.agent/unix/native/libjdwp/exec_md.c

Issue ID	Summary
JDK-8326438	C2: assert(ld→in(1)→Opcode() == Op_LoadN) failed: Assumption invalid: input to DecodeN is not LoadN
JDK-8326446	The User and System of jdk.CPULoad on Apple M1 are inaccurate
JDK-8326458	Menu mnemonics don't toggle in Windows LAF when F10 is pressed
JDK-8326461	tools/jlink/CheckExecutable.java fails as .debuginfo files are not executable
JDK-8326496	[test] checkHsErrFileContent support printing hserr in error case
JDK-8326497	Window.toFront() fails for iconified windows on Linux
JDK-8326509	Clean up JNIEXPORT in Hotspot after JDK-8017234
JDK-8326521	JFR: CompilerPhase event test fails on windows 32 bit
JDK-8326524	Rename agent_common.h
JDK-8326525	com/sun/tools/attach/BasicTests.java does not verify AgentLoadException case
JDK-8326529	JFR: Test for CompilerCompile events fails due to time out
JDK-8326530	Widen allowable error bound of Math.tan
JDK-8326541	[AArch64] ZGC C2 load barrier stub should consider the length of live registers when spilling registers
JDK-8326568	jdk/test/com/sun/net/httpserver/bugs/B6431193.java should use try-with-resource and try-finally
JDK-8326575	Remove unused ContiguousSpace::set_top_for_allocations

Issue ID	Summary
JDK-8326578	Clean up networking properties documentation
JDK-8326583	Remove over-generalized DefineNativeToolchain solution
JDK-8326585	COMPARE_BUILD=PATCH fails if patch -R fails
JDK-8326586	Improve Speed of System.map
JDK-8326587	Separate out Microsoft toolchain linking
JDK-8326590	Improve description of MarkStackSize[Max] flags
JDK-8326591	New test JmodExcludedFiles.java fails on Windows when --with-external-symbols-in-bundles=public is used
JDK-8326606	Test javax/swing/text/BoxView/6494356/bug6494356.java performs a synchronization on a value based class
JDK-8326611	Clean up vmTestbase/nsk/stress/stack tests
JDK-8326612	Parallel: remove redundant assertion from ScavengeRootsTask
JDK-8326627	Document Double/Float.valueOf(String) behavior for numeric strings with non-ASCII digits
JDK-8326636	Problem list StartupOutput.java due to 8326615
JDK-8326638	Crash in PhaseldealLoop::remix_address_expressions due to unexpected Region instead of Loop
JDK-8326643	JDK server does not send a dummy change_cipher_spec record after HelloRetryRequest message
JDK-8326653	Remove jdk.internal.reflect.UTF8

Issue ID	Summary
JDK-8326659	Serial: Remove redundant TenuredSpace::print_on
JDK-8326661	sun/java2d/cmm/ColorConvertOp/ColConvTest.java assumes profiles were generated by LCMS
JDK-8326666	Remove the Java Management Extension (JMX) Subject Delegation feature
JDK-8326685	Linux builds not reproducible if two builds configured in different build folders
JDK-8326687	Inconsistent use of "ZIP", "Zip" and "zip" in java.util.zip/jar zipfs javadoc
JDK-8326688	Parallel: Remove unnecessary BOT update in UpdateOnlyClosure::do_addr
JDK-8326692	JVMCI Local.endBci is off-by-one
JDK-8326694	Defer setting of autocapitalize attribute
JDK-8326699	Problemlist CertMsgCheck.java
JDK-8326705	Test CertMsgCheck.java fails to find alert certificate_required
JDK-8326714	Make file-local functions static in src/java.base/unix/native/libjava/childproc.c
JDK-8326715	ZGC: RunThese24H fails with ExitCode 139 during shutdown
JDK-8326716	JVMTI spec: clarify what nullptr means for C/C++ developers
JDK-8326717	Disable stringop-overflow in shenandoahLock.cpp
JDK-8326718	Test java/util/Formatter/Padding.java should timeout on large inputs before fix in JDK-8299677
JDK-8326722	Cleanup unnecessary forward declaration in collectedHeap.hpp

Issue ID	Summary
JDK-8326726	Problem list Exhaustiveness.java due to 8326616
JDK-8326734	text-decoration applied to lost when mixed with <u> or <s>
JDK-8326742	Change compiler tests without additional VM flags from @run driver to @run main
JDK-8326744	Class-File API transition to Second Preview
JDK-8326763	Consolidate print methods in ContiguousSpace
JDK-8326781	G1ConcurrentMark::top_at_rebuild_start() should take a HeapRegion* not an uint
JDK-8326820	Metadata artificially kept alive
JDK-8326824	Test: remove redundant test in compiler/vectorapi/reshape/utils/TestCastMethods.java
JDK-8326831	Clarify test harness control variables in make help
JDK-8326836	Incorrect @since tags for ClassSignature methods
JDK-8326838	JFR: Native mirror events
JDK-8326853	Missing @since tags for Charset related methods added in Java 10
JDK-8326891	Prefer RPATH over RUNPATH for \$ORIGIN rpaths in internal JDK binaries
JDK-8326892	Remove unused PSAdaptiveSizePolicyResizeVirtualSpaceAlot develop flag
JDK-8326897	(fs) The utility TestUtil.supportsLinks is wrongly used to check for hard link support

Issue ID	Summary
JDK-8326898	NSK tests should listen on loopback addresses only
JDK-8326908	DecimalFormat::toPattern throws OutOfMemoryError when pattern is empty string
JDK-8326915	NPE when a validating parser is restricted
JDK-8326936	RISC-V: Shenandoah GC crashes due to incorrect atomic memory operations
JDK-8326941	Remove StringUTF16::isBigEndian
JDK-8326944	(ch) Minor typo in the ScatteringByteChannel.read(ByteBuffer[] dsts,int offset,int length) javadoc
JDK-8326947	Minimize MakeBase.gmk
JDK-8326948	Force English locale for timeout formatting
JDK-8326951	since-checker - missing @ since tags
JDK-8326953	Race in creation of win-exports.def with static-libs
JDK-8326957	Implement JEP 474: ZGC: Generational Mode by Default
JDK-8326959	Improve JVMCI option help
JDK-8326960	GHA: RISC-V sysroot cannot be debootstrapped due to ongoing Debian t64 transition
JDK-8326962	C2 SuperWord: cache VPointer
JDK-8326964	Remove Eclipse Shared Workspaces
JDK-8326974	ODR violation in macroAssembler_aarch64.cpp

Issue ID	Summary
JDK-8326975	Parallel: Remove redundant PSOldGen::is_allocated
JDK-8326979	(jdeps) improve the error message for FindException caused by InvalidModuleDescriptorException
JDK-8326983	Unused operands reported after JDK-8326135
JDK-8327002	(fs) java/nio/file/Files/CopyMoveVariations.java should be able to test across file systems
JDK-8327007	javax/swing/JSpinner/8008657/bug8008657.java fails
JDK-8327022	Parallel: Remove experimental dense prefix calculation
JDK-8327040	Problemlist ActionListenerCalledTwiceTest.java test failing in macos14
JDK-8327041	Incorrect lane size references in avx512 instructions.
JDK-8327042	G1: Parallelism used for redirty logged cards needs better control.
JDK-8327045	Consolidate -fvisibility=hidden as a basic flag for all compilation
JDK-8327046	(fs) Files.walk should be clear that depth-first traversal is pre-order
JDK-8327049	Only export debug.cpp functions on Windows
JDK-8327056	Remove unused static char array in JvmtiAgentList::lookup
JDK-8327057	Parallel: Refactor ParMarkBitMap::iterate
JDK-8327058	RISC-V: make Zcb experimental
JDK-8327059	os::Linux::print_proc_sys_info add swappiness information

Issue ID	Summary
JDK-8327071	[Testbug] g-tests for cgroup leave files in /tmp on linux
JDK-8327093	Add truncate function to BitMap API
JDK-8327095	(ch) java/nio/channels/AsyncCloseAndInterrupt.java: improve error message when mkfifo fails
JDK-8327096	(fc) java/nio/channels/FileChannel/Size.java fails on partition incapable of creating large files
JDK-8327098	GTest needs larger combination limit
JDK-8327105	compiler.compilercontrol.share.scenario.Executor should listen on loopback address only
JDK-8327108	compiler.lib.ir_framework.shared.TestFrameworkSocket should listen on loopback address only
JDK-8327109	Refactor data graph cloning used in create_new_if_for_predicate() into separate class
JDK-8327110	Refactor create_bool_from_template_assertion_predicate() to separate class and fix identical cloning cases used for Loop Unswitching and Split If
JDK-8327111	Replace remaining usage of create_bool_from_template_assertion_predicate() which requires additional OpaqueLoop*Nodes transformation strategies
JDK-8327125	SpinYield.report should report microseconds
JDK-8327126	Parallel: Remove unused ParMarkBitMapClosure::_initial_words_remaining
JDK-8327130	Serial: Remove Generation::record_spaces_top

Issue ID	Summary
JDK-8327136	javax/management/remote/mandatory/notif/NotifReconnectDeadlockTest.java fails on libgraal
JDK-8327137	Add test for ConcurrentModificationException in BasicDirectoryModel
JDK-8327138	Clean up status management in cdsConfig.hpp and CDS.java
JDK-8327147	Improve performance of Math ceil, floor, and rint for x86
JDK-8327167	Clarify the handling of Leap year by Calendar
JDK-8327169	serviceability/dcmd/vm/SystemMapTest.java and SystemDumpMapTest.java may fail after JDK-8326586
JDK-8327171	Fix more NULL usage backsliding
JDK-8327172	C2 SuperWord: data node in loop has no input in loop: replace assert with bailout
JDK-8327173	HotSpot Style Guide needs update regarding nullptr vs NULL
JDK-8327180	Failed: java/io/ObjectStreamClass/ObjectStreamClassCaching.java#G1
JDK-8327182	Move serverAlias into the loop
JDK-8327201	C2: Uninitialized VLoop::_pre_loop_end after JDK-8324890
JDK-8327208	Remove unused method java.util.jar.Manifest.make72Safe
JDK-8327210	AIX: Delete obsolete parameter Use64KPagesThreshold
JDK-8327218	Add an ability to specify modules which should have native access enabled

Issue ID	Summary
JDK-8327224	G1: comment in G1BarrierSetC2::post_barrier() refers to nonexistent new_deferred_store_barrier()
JDK-8327225	Revert DataInputStream.readUTF to static final
JDK-8327238	Remove MetadataAllocationFailALot* develop flags
JDK-8327239	Obsolete unused GCLockerEdenExpansionPercent product option
JDK-8327242	Document supported CLDR versions in the javadoc
JDK-8327247	C2 uses up to 2GB of RAM to compile complex string concat in extreme cases
JDK-8327250	assert(!method→is_old()) failed: Should not be installing old methods
JDK-8327261	Parsing test for Double/Float succeeds w/o testing all bad cases
JDK-8327283	RISC-V: Minimal build failed after JDK-8319716
JDK-8327286	Obsolete unused NUMAPageScanRate product option
JDK-8327287	Remove unused FLSVerifyDictionary debug option
JDK-8327288	Obsolete unused ProcessDistributionStride product option
JDK-8327289	Remove unused PrintMethodFlushingStatistics option
JDK-8327290	Remove unused notproduct option TraceInvocationCounterOverflow
JDK-8327361	Update some comments after JDK-8139457
JDK-8327364	Parallel: Remove unused ParallelCompactData::add_obj

Issue ID	Summary
JDK-8327365	Inline and remove GCStats
JDK-8327368	javac crash when computing exhaustiveness checks
JDK-8327376	Parallel: Remove unimplemented methods in psParallelCompact.hpp
JDK-8327379	Make TimeLinearScan a develop flag
JDK-8327383	Clean up _Stalled and _Spinner fields
JDK-8327385	Add JavaDoc option to exclude web fonts from generated documentation
JDK-8327387	G1: Refactor region liveness processing after completion of concurrent marking
JDK-8327389	Remove use of HOTSPOT_BUILD_USER
JDK-8327390	JitTester: Implement temporary folder functionality
JDK-8327391	Add SipHash attribution file
JDK-8327401	Some jtreg tests fail on Wayland without any tracking bug
JDK-8327410	Add hostname option for UL file names
JDK-8327413	Enhance compilation efficiency
JDK-8327423	C2 remove_main_post_loops: check if main-loop belongs to pre-loop, not just assert
JDK-8327424	ProblemList serviceability/sa/TestJmapCore.java on all platforms with ZGC
JDK-8327426	RISC-V: Move alignment shim into initialize_header() in C1_MacroAssembler::allocate_array

Issue ID	Summary
JDK-8327434	Test java/util/PluggableLocale/TimeZoneNameProviderTest.java timed out
JDK-8327444	simplify RESTARTABLE macro usage in JDK codebase
JDK-8327452	G1: Improve scalability of Merge Log Buffers
JDK-8327460	Compile tests with the same visibility rules as product code
JDK-8327461	KeyStore getEntry is not thread-safe
JDK-8327468	Do not restart close if errno is EINTR [macOS/linux]
JDK-8327474	Review use of java.io.tmpdir in jdk tests
JDK-8327475	Add analysis code for JDK-8327169
JDK-8327476	Upgrade JLine to 3.26.1
JDK-8327477	Parallel: Remove _data_location and _highest_ref in ParallelCompactData
JDK-8327486	java/util/Properties/PropertiesStoreTest.java fails "Text 'xxx' could not be parsed at index 20" after 8174269
JDK-8327487	Further augment WorstCaseTests with more cases
JDK-8327492	Remove applet usage and update DisposeInActionEventTest.html
JDK-8327493	Update minimum Xcode version in docs
JDK-8327499	MethodHandleStatics.traceLambdaForm includes methods that cannot be generated
JDK-8327501	Common ForkJoinPool prevents class unloading in some cases

Issue ID	Summary
JDK-8327505	Test com/sun/jmx/remote/NotificationMarshalVersions/TestSerializationMismatch.java fails
JDK-8327512	JShell does not work correctly when a class named Object or Throwable is defined
JDK-8327571	Parallel: Remove redundant operation in PParallelCompact::clear_data_covering_space
JDK-8327621	Check return value of uname in os::get_host_name
JDK-8327631	Update IANA Language Subtag Registry to Version 2024-03-07
JDK-8327640	Allow NumberFormat strict parsing
JDK-8327647	Occasional SIGSEGV in markWord::displaced_mark_helper() for SPECjvm2008 sunflow
JDK-8327650	Test java/nio/channels/DatagramChannel/StressNativeSignal.java timed out
JDK-8327651	Rename DictionaryEntry members related to protection domain
JDK-8327675	jspawnhelper should be built on all unix platforms
JDK-8327677	Parallel: Remove unused ParallelCompactData::clear
JDK-8327683	Crash with primitive type pattern and generic expression in instanceof
JDK-8327689	RISC-V: adjust test filters of zfh extension
JDK-8327693	C1: LIRGenerator::_instruction_for_operand is only read by assertion code

Issue ID	Summary
JDK-8327696	[TESTBUG] "javax/swing/JTable/KeyBoardNavigation/KeyBoardNavigation.java" test instruction needs to be corrected
JDK-8327701	Remove the xlc toolchain
JDK-8327704	Update nsk/jdi tests to use driver instead of othervm
JDK-8327705	Remove mention of "applet" from java.text package description
JDK-8327716	RISC-V: Change type of vector_length param of several assembler functions from int to uint
JDK-8327729	Remove deprecated xxxObject methods from jdk.internal.misc.Unsafe
JDK-8327738	Remove unused internal method sun.n.w.p.h.HttpURLConnection.setDefaultAuthenticator
JDK-8327741	JVM crash in hotspot/share/opto/compile.cpp - failed: missing inlining msg
JDK-8327743	JVM crash in hotspot/share/runtime/javaThread.cpp - failed: held monitor count should be equal to jni: 0 != 1
JDK-8327748	Convert javax/swing/JFileChooser/6798062/bug6798062.java applet test to main
JDK-8327750	Convert javax/swing/JFileChooser/FileFilterDescription/FileFilterDescription.java applet test to main
JDK-8327751	Convert javax/swing/JInternalFrame/6726866/bug6726866.java applet test to main
JDK-8327752	Convert javax/swing/JOptionPane/4174551/bug4174551.java applet to main

Issue ID	Summary
JDK-8327753	Convert javax/swing/JOptionPane/8024926/bug8024926.java applet to main
JDK-8327754	Convert javax/swing/JPopupMenu/7160604/bug7160604.java applet to main
JDK-8327755	Convert javax/swing/JScrollBar/8039464/Test8039464.java applet to main
JDK-8327756	Convert javax/swing/JSlider/4987336/bug4987336.java applet to main
JDK-8327757	Convert javax/swing/JSlider/6524424/bug6524424.java applet to main
JDK-8327779	Remove deprecated internal field sun.security.x509.X509Key.key
JDK-8327787	Convert javax/swing/border/Test4129681.java applet test to main
JDK-8327788	G1: Improve concurrent reference processing documentation
JDK-8327790	Improve javadoc for ResolvedJavaType.hasFinalizableSubclass
JDK-8327794	RISC-V: enable extension features based on impid (Rivos specific change)
JDK-8327799	JFR view: the "Park Until" field of jdk.ThreadPark is invalid if the parking method is not absolute
JDK-8327812	JFR: Remove debug message in Function.Maximum
JDK-8327818	Implement Kerberos debug with sun.security.util.Debug
JDK-8327824	Type annotation placed on incorrect array nesting levels
JDK-8327826	Convert javax/swing/border/Test4243289.java applet test to main
JDK-8327829	[JVMCI] runtime/ClassUnload/ConstantPoolDependsTest.java fails on libgraal

Issue ID	Summary
JDK-8327835	Convert java/awt/FileDialog/RegexpFilterTest/RegexpFilterTest applet test to main
JDK-8327838	Convert java/awt/FileDialog/MultipleMode/MultipleMode.html applet test to main
JDK-8327839	Crash with unboxing and widening primitive conversion in switch
JDK-8327840	Automate javax/swing/border/Test4129681.java
JDK-8327854	Test java/util/stream/test/org/openjdk/tests/java/util/stream/WhileOpStatefulTest.java failed with RuntimeException
JDK-8327856	Convert applet test SpanishDiacriticsTest.java to a main program
JDK-8327857	Remove applet usage from JColorChooser tests Test4222508
JDK-8327859	Remove applet usage from JColorChooser tests Test4319113
JDK-8327872	Convert javax/swing/JToolTip/4644444/bug4644444.java applet test to main
JDK-8327873	Convert javax/swing/border/Test4247606.java applet test to main
JDK-8327874	Convert javax/swing/JTree/4314199/bug4314199.java applet test to main
JDK-8327875	ChoiceFormat should advise throwing UnsupportedOperationException for unused methods
JDK-8327876	Convert javax/swing/border/Test4252164.java applet test to main
JDK-8327879	Convert javax/swing/border/Test4760089.java applet test to main
JDK-8327924	Simplify TrayIconScalingTest.java

Issue ID	Summary
JDK-8327945	Inline HasScavengableOops
JDK-8327946	containers/docker/TestJFREvents.java fails when host kernel config vm.swappiness=0 after JDK-8325139
JDK-8327964	Simplify BigInteger.implMultiplyToLen intrinsic
JDK-8327969	Convert javax/swing/border/Test6910490.java applet test to main
JDK-8327971	Multiple ASAN errors reported for metaspace
JDK-8327972	Convert java/awt/FileDialog/SaveFileNameOverrideTest/SaveFileNameOverrideTest.html applet test to main
JDK-8327978	C2 SuperWord: Fix compilation time regression in dependency graph traversal after JDK-8325651
JDK-8327980	Convert javax/swing/JToggleButton/4128979/bug4128979.java applet test to main
JDK-8327986	ASAN reports use-after-free in DirectivesParserTest.empty_object_vm
JDK-8327988	When running ASAN, disable dangerous NMT test
JDK-8327989	java/net/httpclient/ManyRequest.java should not use "localhost" in URIs
JDK-8327990	[macosx-aarch64] Various tests fail with -XX:+AssertWXAtThreadSync
JDK-8327991	Improve HttpClient documentation with regard to reclaiming resources
JDK-8327994	Update code gen in CallGeneratorHelper
JDK-8327995	Remove unused Unused_Variable

Issue ID	Summary
JDK-8327997	G1: Move G1ScanClosureBase::reference_iteration_mode to subclass
JDK-8327998	Enable java/lang/ProcessBuilder/JspawnhelperProtocol.java on Mac
JDK-8327999	Remove copy of unused registers for cpu features check in x86_64 AVX2 Poly1305 implementation
JDK-8328000	Convert /java/awt/im/8154816/bug8154816.java applet test to main
JDK-8328004	Minor updates to TrayIcon test DisposeInActionEventTest.java
JDK-8328005	Convert java/awt/im/JTextFieldTest.java applet test to main
JDK-8328006	refactor large anonymous inner class in HtmlDocletWriter
JDK-8328011	Convert java/awt/Frame/GetBoundsResizeTest/GetBoundsResizeTest.java applet test to main
JDK-8328012	Convert InputMethod (/java/awt/im) applet tests to main
JDK-8328021	Convert applet test java/awt/List/SetFontTest/SetFontTest.html to main program
JDK-8328030	Convert javax/swing/text/GlyphView/4984669/bug4984669.java applet test to main
JDK-8328035	Convert javax/swing/text/html/TableView/7030332/bug7030332.java applet test to main
JDK-8328037	Test java/util/Formatter/Padding.java has unnecessary high heap requirement after JDK-8326718
JDK-8328064	Remove obsolete comments in constantPool and metadataFactory

Issue ID	Summary
JDK-8328066	WhiteBoxResizeTest failure on linux-x86: Could not reserve enough space for 2097152KB object heap
JDK-8328074	Add jcheck whitespace checking for assembly files
JDK-8328075	Shenandoah: Avoid forwarding when objects don't move in full-GC
JDK-8328079	JDK-8326583 broke ccache compilation
JDK-8328083	degrade virtual thread support for GetObjectMonitorUsage
JDK-8328087	Automate javax/swing/JTable/TAB/TAB.java applet test
JDK-8328089	Automate javax/swing/JTable/4222153/bug4222153.java applet test
JDK-8328101	Parallel: Obsolete ParallelOldDeadWoodLimiterMean and ParallelOldDeadWoodLimiterStdDev
JDK-8328106	COMPARE_BUILD improvements
JDK-8328110	Allow simultaneous use of PassFailJFrame with split UI and additional windows
JDK-8328112	Remove CardTable::_guard_region
JDK-8328115	Convert java/awt/font/TextLayout/TestJustification.html applet test to main
JDK-8328121	Remove applet usage from JColorChooser tests Test4759306
JDK-8328124	Convert java/awt/Frame/ShownOnPack/ShownOnPack.html applet test to main
JDK-8328130	Remove applet usage from JColorChooser tests Test4759934

Issue ID	Summary
JDK-8328135	javax/management/remote/mandatory/loading/MissingClassTest.java fails on libgraal
JDK-8328137	PreserveAllAnnotations can cause failure of class retransformation
JDK-8328139	Prefer 'override' to 'virtual' in subclasses of 'GCInitLogger'
JDK-8328146	Set LIBCXX automatically
JDK-8328154	Convert sun/java2d/loops/CopyAreaSpeed.java applet test to main
JDK-8328157	Move C[XX]FLAGS_JDK[LIB/EXE] to JdkNativeCompilation.gmk
JDK-8328158	Convert java/awt/Choice/NonFocusablePopupMenuTest to automatic main test
JDK-8328165	improve assert(idx < _maxlrg) failed: oob
JDK-8328166	Epsilon: 'EpsilonHeap::allocate_work' misuses the parameter 'size' as size in bytes
JDK-8328168	Epsilon: Premature OOM when allocating object larger than uncommitted heap size
JDK-8328177	Move LDFLAGS_JDK[LIB/EXE] to JdkNativeCompilation.gmk
JDK-8328181	C2: assert(MaxVectorSize >= 32) failed: vector length should be >= 32
JDK-8328183	Minor mistakes in docs of PrintStream.append()
JDK-8328185	Convert java/awt/image/MemoryLeakTest/MemoryLeakTest.java applet test to main
JDK-8328190	Convert AWTPanelSmoothWheel.html applet test to main

Issue ID	Summary
JDK-8328194	Add a test to check default rendering engine
JDK-8328218	Delete test java/awt/Window/FindOwner/FindOwner.html
JDK-8328225	Convert ImageDecoratedDnD.html applet test to main
JDK-8328227	Remove applet usage from JColorChooser tests Test4887836
JDK-8328228	Missing comma in copyright year for a few JColorChooser tests
JDK-8328234	Remove unused nativeUtils files
JDK-8328236	module_entry in CDS map file has stale value
JDK-8328238	Convert few closed manual applet tests to main
JDK-8328242	Add a log area to the PassFailJFrame
JDK-8328244	Convert javax/swing/JSlider/6742358/bug6742358.java applet test to main
JDK-8328247	Remove redundant dir for tests converted from applet to main
JDK-8328248	Convert javax/swing/JSlider/6587742/bug6587742.java applet test to main
JDK-8328261	public lookup fails with IllegalAccessException when used while module system is being initialized
JDK-8328262	Convert javax/swing/JSplitPane/8132123/bug8132123.java applet test to main
JDK-8328264	AArch64: remove UseNeon condition in CRC32 intrinsic
JDK-8328269	NonFocusablePopupMenuTest.java should be marked as headful

Issue ID	Summary
JDK-8328272	[AIX] Use flag kind "diagnostic" for platform specific flags
JDK-8328273	sun/management/jmxremote/bootstrap/RmiRegistrySslTest.java failed with java.rmi.server.ExportException: Port already in use
JDK-8328275	CodeCache::print_internals should not be called in PRODUCT code
JDK-8328278	Do not print the tenuring threshold in AgeTable::print_on
JDK-8328279	Convert java/awt/Cursor/CursorOverlappedPanelsTest test to main
JDK-8328285	GetOwnedMonitorInfo functions should use JvmtiHandshake
JDK-8328299	Convert DnDFileGroupDescriptor.html applet test to main
JDK-8328300	Convert PrintDialogsTest.java from Applet to main program
JDK-8328301	Convert Applet test ManualHTMLDataFlavorTest.java to main program
JDK-8328303	3 JDI tests timed out with UT enabled
JDK-8328309	Remove malformed masked shift instruction selection patterns
JDK-8328312	runtime/stack/Stack0*.java fails intermittently on libgraal
JDK-8328316	Finisher cannot emit if stream is sequential and integrator returned false
JDK-8328318	Wrong description in X509Extension.getExtensionValue method javadoc
JDK-8328328	Convert javax/swing/JTabbedPane/4666224/bug4666224.java applet test to main
JDK-8328339	Static import prevents source launcher from finding class with main method

Issue ID	Summary
JDK-8328341	Remove deprecated per-thread compiler stats in sun.management
JDK-8328350	G1: Remove DO_DISCOVERED_AND_DISCOVERY
JDK-8328352	Serial: Inline SerialBlockOffsetSharedArray
JDK-8328361	Use memset() in method CardTable::dirty_MemRegion()
JDK-8328364	Remove redundant fields in 'BOTConstants'
JDK-8328366	Thread.setContextClassLoader from thread in FJP commonPool task no longer works after JDK-8327501
JDK-8328367	Convert java/awt/Component/UpdatingBootTime test to main
JDK-8328368	Convert java/awt/image/multiresolution/MultiDisplayTest/MultiDisplayTest.java applet test to main
JDK-8328370	Convert java/awt/print/Dialog/PrintApplet.java applet test to main
JDK-8328377	Convert java/awt/Cursor/MultiResolutionCursorTest test to main
JDK-8328378	Convert java/awt/FileDialog/FileDialogForDirectories test to main
JDK-8328379	Convert URLDragTest.html applet test to main
JDK-8328380	Remove applet usage from JColorChooser tests Test6348456
JDK-8328382	Convert java/awt/FileDialog/FileDialogForPackages test to main
JDK-8328383	Method is not used: com.sun.tools.javac.comp.Attr::thisSym
JDK-8328384	Convert java/awt/FileDialog/FileDialogOpenDirTest test to main

Issue ID	Summary
JDK-8328385	Convert java/awt/FileDialog/FileDialogReturnTest test to main
JDK-8328386	Convert java/awt/FileDialog/FileNameOverrideTest test to main
JDK-8328387	Convert java/awt/Frame/FrameStateTest/FrameStateTest.html applet test to main
JDK-8328398	Convert java/awt/im/4490692/bug4490692.html applet test to main
JDK-8328401	Convert java/awt/Frame/InitialMaximizedTest/InitialMaximizedTest.html applet test to automated
JDK-8328402	Implement pausing functionality for the PassFailJFrame
JDK-8328403	Remove applet usage from JColorChooser tests Test6977726
JDK-8328404	RISC-V: Fix potential crash in C2_MacroAssembler::arrays_equals
JDK-8328480	C2: SubTypeCheckNode in checkcast should use the klass constant of a unique concrete sub class
JDK-8328481	Implement JEP 476: Module Import Declarations (Preview)
JDK-8328482	Convert and Open source few manual applet test to main based
JDK-8328484	Convert and Opensource few JFileChooser applet test to main
JDK-8328501	Incorrect @since tags for java security interfaces
JDK-8328507	Move StackWatermark code from safepoint cleanup
JDK-8328508	Unify the signatures of the methods address_for_index() and index_for() in BOT implementations

Issue ID	Summary
JDK-8328524	[x86] StringRepeat.java failure on linux-x86: Could not reserve enough space for 2097152KB object heap
JDK-8328540	test javax/swing/JSplitPane/4885629/bug4885629.java fails on windows hidpi
JDK-8328541	Remove or update obsolete comment in JRootPane
JDK-8328555	hidpi problems for test java/awt/Dialog/DialogAnotherThread/JaWSTest.java
JDK-8328556	Do not extract large CKO_SECRET_KEY keys from the NSS Software Token
JDK-8328558	Convert javax/swing/JCheckBox/8032667/bug8032667.java applet test to main
JDK-8328560	java/awt/event/MouseEvent/ClickDuringKeypress/ClickDuringKeypress.java imports Applet
JDK-8328561	test java/awt/Robot/ManualInstructions/ManualInstructions.java isn't used
JDK-8328562	Convert java/awt/InputMethods/DiacriticsTest/DiacriticsTest.java applet test to main
JDK-8328570	Convert closed JViewport manual applet tests to main
JDK-8328572	JFR: Use Class.forName(String)
JDK-8328589	unify os::breakpoint among posix platforms
JDK-8328592	hprof tests fail with -XX:-CompactStrings
JDK-8328602	Parallel: Incorrect assertion in fill_dense_prefix_end
JDK-8328604	remove on_aix() function

Issue ID	Summary
JDK-8328611	Thread safety issue in com.sun.tools.jdi.ReferenceTypeImpl::classObject
JDK-8328612	AdaptiveSizePolicySpaceOverheadTester::is_exceeded() print max_eden_size twice
JDK-8328614	hsdis: dlsym can't find decode symbol
JDK-8328619	sun/management/jmxremote/bootstrap/SSLConfigFilePermissionTest.java failed with BindException: Address already in use
JDK-8328627	JShell documentation should be clearer about "remote runtime system"
JDK-8328628	JDK-8328157 incorrectly sets -MT on all compilers in jdk.jpackage
JDK-8328630	Add logging when needed symbols in dll are missing.
JDK-8328631	Convert java/awt/InputMethods/InputMethodsTest/InputMethodsTest.java applet test to manual
JDK-8328633	s390x: Improve vectorization of Match.sqrt() on floats
JDK-8328638	Fallback option for POST-only OCSP requests
JDK-8328642	Convert applet test MouseDraggedOutCauseScrollingTest.html to main
JDK-8328647	TestGarbageCollectorMXBean.java fails with C1-only and -Xcomp
JDK-8328648	Remove applet usage from JFileChooser tests bug4150029
JDK-8328649	Disallow enclosing instances for local classes in constructor prologues
JDK-8328665	serviceability/jvmti/vthread/PopFrameTest failed with a timeout
JDK-8328670	Automate and open source few closed manual applet test

Issue ID	Summary
JDK-8328671	Mark <code>allocate_new_tlab</code> and <code>unsafe_max_tlab_alloc</code> of <code>CollectedHeap</code> as <code>pure virtual</code>
JDK-8328673	Convert closed <code>text/html/CSS</code> manual applet test to main
JDK-8328679	Improve comment for <code>UNSAFE_ENTRY_SCOPED</code> in <code>unsafe.cpp</code>
JDK-8328680	Introduce <code>JDK_LIB</code> , and clean up module native compilation
JDK-8328697	<code>SubMenuShowTest</code> and <code>SwallowKeyEvents</code> tests stabilization
JDK-8328698	<code>oopDesc::klass_raw()</code> decodes without a null check
JDK-8328700	Unused import and variable should be deleted in <code>regex</code> package
JDK-8328702	C2: Crash during parsing because sub type check is not folded
JDK-8328703	Illegal accesses in <code>Java_jdk_internal_org_jline_terminal_impl_jna_linux_CLibraryImpl_ioctl0</code>
JDK-8328705	GHA: Cross-compilation jobs do not require build JDK
JDK-8328709	AIX <code>os::get_summary_cpu_info</code> support Power 10
JDK-8328717	Convert <code>javax/swing/JColorChooser/8065098/bug8065098.java</code> applet test to main
JDK-8328719	Convert <code>java/awt/print/PageFormat/SetOrient.html</code> applet test to main
JDK-8328730	Convert <code>java/awt/print/bug8023392/bug8023392.html</code> applet test to main
JDK-8328741	<code>serviceability/jvmti/ObjectMonitorUsage/ObjectMonitorUsage.java</code> failed with unexpected owner

Issue ID	Summary
JDK-8328744	Parallel: Parallel GC throws OOM before heap is fully expanded
JDK-8328747	WrongMethodTypeException with pattern matching on switch on sealed classes
JDK-8328753	Open source few Undecorated Frame tests
JDK-8328758	GetCurrentContendedMonitor function should use JvmtiHandshake
JDK-8328776	[AIX] remove checked_vmgetinfo, use vmgetinfo directly
JDK-8328785	IOException: Symbol not found: C_GetInterface for PKCS11 interface prior to V3.0
JDK-8328786	[AIX] move some important warnings/errors from trcVerbose to UL
JDK-8328792	Parallel: Refactor PParallelCompact::summary_phase
JDK-8328812	Update and move siphash license
JDK-8328819	Remove applet usage from JFileChooser tests bug6698013
JDK-8328822	C2: "negative trip count?" assert failure in profile predicate code
JDK-8328824	Clean up java.base native compilation
JDK-8328825	Google CAInterop test failures
JDK-8328827	Convert java/awt/print/PrinterJob/PrinterDialogsModalityTest/PrinterDialogsModalityTest.html applet test to main
JDK-8328858	More runtime/stack tests fail intermittently on libgraal

Issue ID	Summary
JDK-8328862	Remove unused GrowableArrayFilterIterator
JDK-8328864	NullPointerException in sun.security.jca.ProviderList.getService()
JDK-8328879	G1: Some gtests modify global state crashing the JVM during GC after JDK-8289822
JDK-8328896	Fontmetrics for large Fonts has zero width
JDK-8328928	Serial: Use IsGCActiveMark instead of AutoModifyRestore in SerialHeap::do_collection
JDK-8328930	[AIX] remove pase related coding
JDK-8328932	Parallel: Proper partial object setup in fill_dense_prefix_end
JDK-8328934	Assert that ABS input and output are legal
JDK-8328938	C2 SuperWord: disable vectorization for large stride and scale
JDK-8328948	GHA: Restoring sysroot from cache skips the build after JDK-8326960
JDK-8328953	JEditorPane.read throws ChangedCharSetException
JDK-8328957	Update PKCS11Test.java to not use hardcoded path
JDK-8328986	Deprecate UseRTM* flags for removal
JDK-8328997	Remove unnecessary template parameter lists in GrowableArray
JDK-8328998	Encoding support for Intel APX extended general-purpose registers
JDK-8328999	Update GIFlib to 5.2.2

Issue ID	Summary
JDK-8329004	Update Libpng to 1.6.43
JDK-8329012	IGV: Update required JDK version in README.md
JDK-8329013	StackOverflowError when starting Apache Tomcat with signed jar
JDK-8329074	AIX build fails after JDK-8328824
JDK-8329083	RISC-V: Update profiles supported on riscv
JDK-8329086	Clean up java.desktop native compilation
JDK-8329088	Stack chunk thawing races with concurrent GC stack iteration
JDK-8329089	Empty immutable list throws the wrong exception type for remove(first last) operations
JDK-8329096	G1: Change the type of G1BlockOffsetTable::_offset_base to uint8_t*
JDK-8329099	Undocumented exception thrown by Instruction factory methods accepting Opcode
JDK-8329102	Clean up jdk.jpackage native compilation
JDK-8329103	assert(!thread→in_asgct()) failed during multi-mode profiling
JDK-8329109	Threads::print_on() tries to print CPU time for terminated GC threads
JDK-8329112	Clean up CDS checking of unsupported module options
JDK-8329113	Deprecate -XX:+UseNotificationThread
JDK-8329115	Crash involving return from inner switch

Issue ID	Summary
JDK-8329118	Run MessageFormat additional subformat pattern tests under en_US locale
JDK-8329126	No native wrappers generated anymore with -XX:-TieredCompilation after JDK-8251462
JDK-8329131	Fold libjli_static back into libjli on AIX
JDK-8329134	Reconsider TLAB zapping
JDK-8329135	Store Universe::*exception_instance() in CDS archive
JDK-8329138	Convert JFR FileForceEvent to static mirror event
JDK-8329150	Remove CDS support for LatestMethodCache
JDK-8329163	C2: possible overflow in PhaseIdealLoop::extract_long_range_checks()
JDK-8329169	Parallel: Remove unused local variable in MutableSpace::print_on
JDK-8329174	update CodeBuffer layout in comment after constants section moved
JDK-8329178	Clean up jdk.accessibility native compilation
JDK-8329189	runtime/stack/Stack016.java fails on libgraal
JDK-8329190	(ch) DatagramChannel.receive should throw ClosedChannelException when called on closed channel
JDK-8329191	JVMCI compiler warning is truncated
JDK-8329194	Cleanup Type::cmp definition and usage
JDK-8329201	C2: Replace TypeInterfaces::intersection_with() + eq() with contains()

Issue ID	Summary
JDK-8329203	Parallel: Investigate Mark-Compact for Full GC to decrease memory usage
JDK-8329210	Delete Redundant Printer Dialog Modality Test
JDK-8329213	Better validation for com.sun.security.ocsp.useget option
JDK-8329222	java.text.NumberFormat (and subclasses) spec updates
JDK-8329223	Parallel: Parallel GC resizes heap even if -Xms = -Xmx
JDK-8329254	optimize integral reverse operations on x86 GFNI target.
JDK-8329257	AIX: Switch HOTSPOT_TOOLCHAIN_TYPE from xlc to gcc
JDK-8329258	TailCall should not use frame pointer register for jump target
JDK-8329261	G1: interpreter post-barrier x86 code asserts index size of wrong buffer
JDK-8329273	C2 SuperWord: Some basic MemorySegment IR tests
JDK-8329289	Unify SetupJdkExecutable and SetupJdkLibrary
JDK-8329292	Fix missing cleanups in java.management and jdk.management
JDK-8329296	Update Elements for '///' documentation comments
JDK-8329320	Simplify awt/print/PageFormat/NullPaper.java test
JDK-8329322	Convert PageFormat/Orient.java to use PassFailJFrame
JDK-8329330	NoClassDefFoundError: Could not initialize class jdk.jfr.internal.MirrorEvents
JDK-8329331	Intrinsify Unsafe::setMemory

Issue ID	Summary
JDK-8329332	Remove CompiledMethod and CodeBlobLayout classes
JDK-8329337	Problem list BufferStrategyExceptionTest.java on Windows
JDK-8329340	Remove unused libawt code
JDK-8329352	Remove dead code in splashscreen_sys.c
JDK-8329353	ResolvedReferencesNotNullTest.java failed with Incorrect resolved references array, quxString should not be archived
JDK-8329354	java/text/Format/MessageFormat/CompactSubFormats.java fails
JDK-8329355	Test compiler/c2/irTests/TestIfMinMax.java fails on RISC-V
JDK-8329358	Generational ZGC: Remove the unused method ZPointer::set_remsset_bits
JDK-8329368	Generational ZGC: Remove the unnecessary friend classes in ZAllocator
JDK-8329416	Split relocation pointer map into read-write and read-only maps
JDK-8329417	Remove objects with no pointers from relocation bitmap
JDK-8329418	Replace pointers to tables with offsets in relocation bitmap
JDK-8329420	Java 22 (and 23) launcher calls default constructor although main() is static
JDK-8329421	Native methods can not be selectively printed
JDK-8329425	ProblemList containers/docker/TestJFREvents.java on linux-x64
JDK-8329426	ProblemList vmTestbase/nsk/jvmti/scenarios/capability/CM03/cm03t001/TestDescription.java with Xcomp on windows-x64

Issue ID	Summary
JDK-8329427	ProblemList javax/sound/sampled/Clip/ClipFlushCrash.java on linux-x64
JDK-8329428	ProblemList vmTestbase/nsk/stress/thread/thread006.java on linux-all in Xcomp
JDK-8329430	MetaspaceShared::preload_and_dump should clear pending exception
JDK-8329431	Improve speed of writing CDS heap objects
JDK-8329432	PopFrame and ForceEarlyReturn functions should use JvmtiHandshake
JDK-8329433	Reduce nmethod header size
JDK-8329469	Generational ZGC: Move the methods forwarding_[index find insert] from zRelocate.cpp to ZForwarding
JDK-8329470	Remove obsolete CDS SharedStrings tests
JDK-8329488	Move OopStorage code from safepoint cleanup and remove safepoint cleanup code
JDK-8329491	GetThreadListStackTraces function should use JvmtiHandshake
JDK-8329493	Parallel: Remove unused ParallelArguments::heap_max_size_bytes
JDK-8329494	Serial: Merge GenMarkSweep into MarkSweep
JDK-8329510	Update ProblemList for JFileChooser/8194044/FileSystemRootTest.java
JDK-8329521	Serial: Rename MarkSweep to SerialFullGC
JDK-8329527	Opcodes.IFNONNULL.primaryTypeKind() is not ReferenceType

Issue ID	Summary
JDK-8329528	G1 does not update TAMS correctly when dropping retained regions during Concurrent Start pause
JDK-8329529	Serial: Move <code>_saved_mark_word</code> out of <code>ContiguousSpace</code>
JDK-8329531	<code>compiler/c2/irTests/TestIfMinMax.java</code> fails with <code>IRViolationException</code> : There were one or multiple IR rule failures.
JDK-8329533	<code>TestCDSVMCrash</code> fails on <code>libgraal</code>
JDK-8329537	Nested and enclosing classes should be linked separately in breadcrumb navigation
JDK-8329538	Accelerate P256 on <code>x86_64</code> using Montgomery intrinsic
JDK-8329545	[s390x] Fix garbage value being passed in Argument Register
JDK-8329546	Assume sized integral types are available
JDK-8329555	Crash in intrinsifying heap-based <code>MemorySegment</code> Vector store/loads
JDK-8329557	Fix statement around <code>MathContext.DECIMAL128</code> rounding
JDK-8329559	Test <code>javax/swing/JFrame/bug4419914.java</code> failed because The End and Start buttons are not placed correctly and Tab focus does not move as expected
JDK-8329564	[JVMCI] <code>TranslatedException::debugPrintStackTrace</code> does not work in the <code>libjvmci</code> compiler.
JDK-8329570	G1: Excessive <code>is_obj_dead_cond</code> calls in verification
JDK-8329580	Parallel: Remove <code>VerifyObjectStartArray</code>
JDK-8329581	Java launcher no longer prints a stack trace

Issue ID	Summary
JDK-8329593	Drop adjustments to target parallelism when virtual threads do I/O on files opened for buffered I/O
JDK-8329594	G1: Consistent Titles to Thread Work Items.
JDK-8329595	spurious variable "might not have been initialized" on static final field
JDK-8329603	G1: Merge G1BlockOffsetTablePart into G1BlockOffsetTable
JDK-8329605	hs errfile generic events - move memory protections and nmethod flushes to separate sections
JDK-8329617	Update stylesheet for specs and tool documentation
JDK-8329623	NegativeArraySizeException encoding large String to UTF-8
JDK-8329624	Add visitors for preview language features
JDK-8329628	Additional changes after JDK-8329332
JDK-8329629	GC interfaces should work directly against nmethod instead of CodeBlob
JDK-8329636	Deprecate -XX:+PreserveAllAnnotations
JDK-8329637	Apparent typo in java.security file property jdk.tls.keyLimits
JDK-8329641	RISC-V: Enable some tests related to SHA-2 intrinsic
JDK-8329644	Discuss expected visitor evolution patterns in javax.lang.model.util
JDK-8329651	TestLibGraal.java crashes with assert(_stack_base != nullptr)
JDK-8329653	JLILaunchTest fails on AIX after JDK-8329131

Issue ID	Summary
JDK-8329655	Cleanup KlassObj and klassOop names after the PermGen removal
JDK-8329656	assertion failed in MAP_ARCHIVE_MMAP_FAILURE path: Invalid immediate -5 0
JDK-8329658	Serial: Refactor ContiguousSpace::_next_compaction_space
JDK-8329659	Serial: Extract allowed_dead_ratio from ContiguousSpace
JDK-8329660	G1: Improve TestGCLogMessages to be more precise
JDK-8329661	Refactor ScavengableNMethods::verify_unlisted_nmethods
JDK-8329662	Add a test to verify the behaviour of the default HEAD() method on HttpRequest.Builder
JDK-8329663	hs_err file event log entry for thread adding/removing should print current thread
JDK-8329665	fatal error: memory leak: allocating without ResourceMark
JDK-8329667	[macos] Issue with JTree related fix for JDK-8317771
JDK-8329672	Only call SetupNativeCompilation from SetupJdkNativeCompilation
JDK-8329674	JvmtiEnvThreadState::reset_current_location function should use JvmtiHandshake
JDK-8329691	Support nonLikelyScript parent locale inheritance
JDK-8329692	Add more details to FrameStateTest.java test instructions
JDK-8329703	Remove unused apple.jpeg file from SwingSet2 demo

Issue ID	Summary
JDK-8329704	Implement framework for proper handling of JDK_LIBS
JDK-8329717	Missing @since tags in elements in DocumentationTool and Taglet
JDK-8329718	Incorrect @since tags in elements in jdk.compiler and java.compiler
JDK-8329720	Gtest failure printing markword after JDK-8325303
JDK-8329726	Use non-short forward jumps in lightweight locking
JDK-8329729	java/util/Properties/StoreReproducibilityTest.java times out
JDK-8329733	Update the documentation in java.net.SocketOptions to direct to java.net.StandardSocketOptions
JDK-8329745	Update the documentation of ServerSocket and Socket to refer to StandardSocketOptions instead of legacy SocketOptions
JDK-8329748	Change default value of AssertWXAtThreadSync to true
JDK-8329749	Obsolete the unused UseNeon flag
JDK-8329750	Change Universe functions to return more specific Klass* types
JDK-8329757	Crash with fatal error: DEBUG MESSAGE: Fast Unlock lock on stack
JDK-8329761	Remove unused KeyBuilder and unusedSets from StyleContext
JDK-8329764	G1: Handle null references during verification first
JDK-8329766	Serial: Refactor SerialBlockOffsetTable API
JDK-8329767	G1: Move G1BlockOffsetTable::set_for_starts_humongous to HeapRegion

Issue ID	Summary
JDK-8329771	G1: Refactor G1BlockOffsetTable::verify
JDK-8329774	Break long lines in jdk/src/jdk.hotspot.agent/doc /transported_core.html
JDK-8329775	Serial: Remove unused declarations in serialFullGC.hpp
JDK-8329781	Serial: Remove serialFullGC.inline.hpp
JDK-8329784	Run MaxMetaspaceSizeTest.java with -Xshare:off
JDK-8329787	Fix typo in CLDRConverter
JDK-8329797	Shenandoah: Default case invoked for: "MaxL" (bad AD file)
JDK-8329805	Deprecate for removal ObjectOutputStream.PutField.write
JDK-8329823	RISC-V: Need to sync CPU features with related JVM flags
JDK-8329825	Clarify the value type for java.net.SocketOptions.SO_LINGER
JDK-8329839	Cleanup ZPhysicalMemoryBacking trace logging
JDK-8329840	Fix ZPhysicalMemorySegment::_end type
JDK-8329850	[AIX] Allow loading of different members of same shared library archive
JDK-8329858	G1: Make G1VerifyLiveAndRemSetClosure stateless
JDK-8329862	libjli GetApplicationHome cleanups and enhance jli tracing
JDK-8329864	TestLibGraal.java still crashes with assert(_stack_base != nullptr)
JDK-8329875	Serial: Move preservedMarks.inline.hpp to serialFullGC.cpp

Issue ID	Summary
JDK-8329878	Reduce public interface of CardTableBarrierSet
JDK-8329884	Serial: Fix build failure due to "Copy"™ has not been declared
JDK-8329898	Revert one use of markWord.is_unlocked back to is_neutral
JDK-8329948	Remove string template feature
JDK-8329955	Class-File API ClassPrinter does not print bootstrap methods arguments
JDK-8329956	G1: Remove unimplemented collection_set_candidate_short_type_str
JDK-8329958	Windows x86 build fails: downcallLinker.cpp(36) redefinition
JDK-8329961	Buffer overflow in os::Linux::kernel_version
JDK-8329962	Remove CardTable::invalidate
JDK-8329967	Build failure after JDK-8329628
JDK-8329970	Update autoconf build-aux files with latest from 2024-01-01
JDK-8329982	compiler/jvnci/jdk.vm.ci.code.test/src/jdk/vm/ci/code/test/SimpleDebugInfoTest.java failed assert(oopDesc::is_oop_or_null(val)) failed: bad oop found
JDK-8329995	Restricted access to /proc can cause JFR initialization to crash
JDK-8329997	Add provisions for checking memory segment alignment constraints
JDK-8329998	Remove double initialization for parts of small TypeArrays in ZObjArrayAllocator
JDK-8330000	ZGC: ZObjArrayAllocator may unnecessarily clear TypeArrays twice

Issue ID	Summary
JDK-8330002	Remove redundant public keyword in BarrierSet
JDK-8330003	Serial: Move the logic of FastEvacuateFollowersClosure to SerialHeap
JDK-8330004	Refactor cloning down code in Split If for Template Assertion Predicates
JDK-8330005	RandomGeneratorFactory.getDefault() throws exception when the runtime image only has java.base module
JDK-8330006	Serial: Extract out ContiguousSpace::block_start_const
JDK-8330008	[s390x] Test bit "in-memory" in case of DiagnoseSyncOnValueBasedClasses
JDK-8330011	[s390x] update block-comments to make code consistent
JDK-8330016	Stress seed should be initialized for runtime stub compilation
JDK-8330024	[AIX] replace my_disclaim64 helper by direct call to disclaim64
JDK-8330026	Serial: Move some includes to vmStructs_serial.hpp
JDK-8330027	Identity hashes of archived objects must be based on a reproducible random seed
JDK-8330033	com/sun/net/httpserver/bugs/B6431193.java fails in AssertionError after JDK-8326568
JDK-8330047	ASAN build error with gcc 13
JDK-8330049	Remove unused AbstractLinker::linkerByteOrder
JDK-8330051	Small ObjectMonitor spinning code cleanups
JDK-8330053	JFR: Use LocalDateTime instead ZonedDateTime

Issue ID	Summary
JDK-8330063	Upgrade jQuery to 3.7.1
JDK-8330064	JFR: Incorrect function declarations for register/unregister_stack_filter
JDK-8330066	HeapDumpPath and HeapDumpGzipLevel VM options do not mention HeapDumpBeforeFullGC and HeapDumpAfterFullGC
JDK-8330076	NMT: add/make a mandatory MEMFLAGS argument to family of os::reserve/commit/uncommit memory API
JDK-8330077	Allow max number of events to be buffered to be configurable to avoid OVERFLOW_EVENT
JDK-8330094	RISC-V: Save and restore FRM in the call stub
JDK-8330095	RISC-V: Remove obsolete vandn_vi instruction
JDK-8330103	Compiler memory statistics should keep separate records for C1 and C2
JDK-8330105	SharedRuntime::resolve* should respect interpreter-only mode
JDK-8330106	C2: VectorInsertNode::make() shouldn't call ConINode::make() directly
JDK-8330107	Separate out "awt" libraries from Awt2dLibraries.gmk
JDK-8330108	Increase CipherInputStream buffer size
JDK-8330110	AIX build fails after JDK-8329704 - issue with libjli.a
JDK-8330131	Problemlist serviceability/jvmti/vthread/GetThreadStateMountedTest/GetThreadStateMountedTest.java
JDK-8330133	libj2pkcs11.so crashes on some pkcs#11 v3.0 libraries

Issue ID	Summary
JDK-8330145	Serial: Refactor SerialHeap::scan_evacuated_objs
JDK-8330146	assert(!_thread→is_in_any_VTMS_transition()) failed
JDK-8330153	C2: dump barrier information for all Mach nodes
JDK-8330154	Serial: Remove TenuredSpace::update_for_block
JDK-8330155	Serial: Remove TenuredSpace
JDK-8330156	RISC-V: Range check auipc + signed 12 imm instruction
JDK-8330158	C2: Loop strip mining uses ABS with min int
JDK-8330163	C2: improve CMoveNode::Value() when condition is always true or false
JDK-8330165	C2: make superword consistently use PhaseIdealLoop::register_new_node()
JDK-8330172	G1: Consolidate update_bot_for_block and update_bot_for_obj in HeapRegion
JDK-8330176	Typo in Linker javadoc
JDK-8330178	Clean up non-standard use of /** comments in java.base
JDK-8330179	Clean up non-standard use of /** comments in jdk.compiler
JDK-8330181	Move PcDesc cache from nmethod header
JDK-8330185	Potential uncaught unsafe memory copy exception
JDK-8330196	Make java/lang/invoke/defineHiddenClass/BasicTest release agnostic
JDK-8330197	Make javac/diags/example release agnostic

Issue ID	Summary
JDK-8330213	RISC-V: C2: assert(false) failed: bad AD file after JDK-8316991
JDK-8330215	Trim working set for OldObjectSamples
JDK-8330242	RISC-V: Simplify and remove CORRECT_COMPILER_ATOMIC_SUPPORT in atomic_linux_riscv.hpp
JDK-8330247	C2: CTW fail with assert(adr_t→is_known_instance_field()) failed: instance required
JDK-8330253	Remove verify_consistent_lock_order
JDK-8330261	Clean up linking steps
JDK-8330262	C2: simplify transfer of GC barrier data from Ideal to Mach nodes
JDK-8330266	RISC-V: Restore frm to RoundingMode::rne after JNI
JDK-8330272	Wrong javadoc for ValueLayout.JAVA_LONG/JAVA_DOUBLE on x86 32bit
JDK-8330275	Crash in XMark::follow_array
JDK-8330276	Console methods with explicit Locale
JDK-8330278	Have SSLSocketTemplate.doClientSide use loopback address
JDK-8330279	Typo in java.text.Bidi class description
JDK-8330280	SharedRuntime::get_resolved_entry should not return c2i entry if the callee is special native intrinsic
JDK-8330303	Crash: assert(_target_jt == nullptr _target_jt→vthread() == target_h()) failed
JDK-8330339	G1: Move some public methods to private in G1BlockOffsetTable APIs

Issue ID	Summary
JDK-8330351	Remove the SHARED_LIBRARY and STATIC_LIBRARY macros
JDK-8330359	G1: Remove unused forward declaration in g1BlockOffsetTable.hpp
JDK-8330362	G1: Inline offset array element accessor in G1BlockOffsetTable
JDK-8330386	Replace Opaque4Node of Initialized Assertion Predicate with new OpaqueInitializedAssertionPredicateNode
JDK-8330387	Crash with a different types patterns (primitive vs generic) in instanceof
JDK-8330388	Remove invokedynamic cache index encoding
JDK-8330419	Unused code in ConnectionGraph::specialize_castpp
JDK-8330458	Add missing @since tag to ClassFile.JAVA_23_VERSION
JDK-8330463	Rename invalidate() to write_region() in ModRefBarrierSet
JDK-8330464	hserr generic events - add entry for the before_exit calls
JDK-8330467	NoClassDefFoundError when lambda is in a hidden class
JDK-8330475	Remove unused default value for ModRefBarrierSet::write_ref_array_pre
JDK-8330520	linux clang build fails in os_linux.cpp with static_assert with no message is a C++17 extension
JDK-8330523	Reduce runtime and improve efficiency of KeepAliveTest
JDK-8330524	Linux ppc64le compile warning with clang in os_linux_ppc.cpp
JDK-8330532	Improve line-oriented text parsing in HotSpot

Issue ID	Summary
JDK-8330533	JFR: LocalDateTime should not use milliseconds since epoch
JDK-8330539	Use #include <alloca.h> instead of -Dalloca'(size)'=__builtin_alloca'(size)' for AIX
JDK-8330540	Rename the enum type CompileCommand to CompileCommandEnum
JDK-8330542	Template for Creating Strict JAXP Configuration File
JDK-8330565	C2: Multiple crashes with CTW after JDK-8316991
JDK-8330569	Rename Nix to Posix in platform-dependent attachListener code
JDK-8330572	jdk.internal.net.http.HttpConnection calls an expensive checkOpen() when returning a HTTP/1.1 connection to the pool
JDK-8330576	ZYoungCompactionLimit should have range check
JDK-8330577	G1 sometimes sends jdk.G1HeapRegionTypeChange for non-changes
JDK-8330578	The VM creates instance of abstract class VirtualMachineError
JDK-8330584	IGV: XML does not save all node properties
JDK-8330585	Refactor/rename forwarder handling
JDK-8330587	IGV: remove ControlFlowTopComponent
JDK-8330595	Invoke ObjectMethods::bootstrap method exactly
JDK-8330607	Deprecate -XX:+UseEmptySlotsInSupers
JDK-8330611	AES-CTR vector intrinsic may read out of bounds (x86_64, AVX-512)

Issue ID	Summary
JDK-8330615	avoid signed integer overflows in zip_util.c readCen / hashN
JDK-8330621	Make 5 compiler tests use ProcessTools.executeProcess
JDK-8330624	Inconsistent use of semicolon in the code snippet of java.io.Serializable javadoc
JDK-8330625	Compilation memory statistic: prevent tearing of the final report
JDK-8330626	ZGC: Windows address space placeholders not managed correctly
JDK-8330647	Two CDS tests fail with -UseCompressedOops and UseSerialGC/UseParallelGC
JDK-8330670	Obsolete ScavengeBeforeFullGC
JDK-8330677	Add Per-Compilation memory usage to JFR
JDK-8330681	Explicit hashCode and equals for java.lang.runtime.SwitchBootstraps\$TypePairs
JDK-8330684	ClassFile API runs into StackOverflowError while parsing certain class' bytes
JDK-8330685	ZGC: share barrier spilling logic
JDK-8330686	Fix typos in the DatabaseMetaData javadoc
JDK-8330693	Generational ZGC: Simplify ZAddress::finalizable_good and ZAddress::mark_good
JDK-8330694	Rename 'HeapRegion' to 'G1HeapRegion'
JDK-8330703	Improve link syntax in javax.lang.model.util

Issue ID	Summary
JDK-8330704	Clean up non-standard use of <code>/**</code> comments in some langtools tests
JDK-8330733	Generational ZGC: Remove <code>ZBarrier::verify_old_object_live_slow_path</code>
JDK-8330734	JFR: Re-engineer mirror class mechanism
JDK-8330735	RISC-V: No need to move <code>sp</code> to <code>tmp</code> register in <code>set_last_Java_frame</code>
JDK-8330748	<code>ByteArrayOutputStream.writeTo(OutputStream)</code> pins carrier
JDK-8330795	C2: <code>assert((uint)type <= T_CONFLICT && _zero_type[type] != nullptr) failed: bad type with -XX:-UseCompressedClassPointers</code>
JDK-8330802	Desugar switch in <code>Locale::createLocale</code>
JDK-8330805	ARM32 build is broken after <code>JDK-8139457</code>
JDK-8330813	Don't call methods from <code>Compressed(Oops Klass)</code> if the associated mode is inactive
JDK-8330814	Cleanups for <code>KeepAliveCache</code> tests
JDK-8330815	Use pattern matching for <code>instanceof</code> in <code>KeepAliveCache</code>
JDK-8330817	<code>jdk/internal/vm/Continuation/OSRTest.java</code> times out on <code>libgraal</code>
JDK-8330819	C2 SuperWord: bad dominance after pre-loop limit adjustment with base that has <code>CastLL</code> after pre-loop
JDK-8330820	Remove remnants of <code>operator_new.cpp</code> in build system
JDK-8330821	Rename <code>UnsafeCopyMemory</code>
JDK-8330822	Remove <code>ModRefBarrierSet::write_ref_array_work</code>

Issue ID	Summary
JDK-8330844	Add aliases for conditional jumps and additional instruction forms for x86
JDK-8330847	G1 accesses uninitialized memory when predicting eden copy time
JDK-8330849	Add test to verify memory usage with recursive locking
JDK-8330852	All callers of <code>JvmtiEnvBase::get_threadOop_and_JavaThread</code> should pass current thread explicitly
JDK-8330853	Add missing checks for <code>ConnectionGraph::can_reduce_cmp()</code> call
JDK-8330862	<code>GCBarrierRExample</code> fails when a different GC is selected via the command line
JDK-8330864	No error message when <code>ExceptionInInitializerError</code> thrown in static initializer
JDK-8330960	Serial: Remove <code>SerialFullGC::_total_invocations</code>
JDK-8330961	Remove redundant public specifier in <code>ModRefBarrierSet</code>
JDK-8330969	scalability issue with loaded JVMTI agent
JDK-8330972	Serial: <code>Inline Generation::max_contiguous_available</code>
JDK-8330981	ZGC: Should not dedup strings in the finalizer graph
JDK-8330989	unify <code>os::create_binary_file</code> across platforms
JDK-8330998	<code>System.console()</code> writes to <code>stderr</code> when <code>stdout</code> is redirected
JDK-8331004	Serial: Remove unused <code>GenClosure</code>
JDK-8331011	[XWayland] <code>TokenStorage</code> fails under Security Manager

Issue ID	Summary
JDK-8331018	Clean up non-standard use of <code>/**</code> comments in <code>jdk.jshe11</code>
JDK-8331021	Deprecate and then obsolete the <code>DontYieldALot</code> flag
JDK-8331027	JDK's <code>ct.sym</code> file packs corrupted module-info classes
JDK-8331030	<code>langtools/tools/javac/tree</code> tests fail with SOE with <code>fastdebug</code> and <code>-Xcomp</code>
JDK-8331031	unify <code>os::dont_yield</code> and <code>os::naked_yield</code> across Posix platforms
JDK-8331033	EA fails with "EA unexpected CallLeaf unsafe_setmemory" after JDK-8329331
JDK-8331048	G1: Prune rebuild candidates based on <code>G1HeapWastePercent</code> early
JDK-8331050	Serial: Remove unused <code>_saved_mark_word</code> in <code>DefNewGeneration</code> and <code>TenuredGeneration</code>
JDK-8331054	C2 MergeStores: assert failed: unexpected basic type after JDK-8318446 and JDK-8329555
JDK-8331061	Serial: Missed BOT update in <code>TenuredGeneration::expand_and_allocate</code>
JDK-8331063	Some <code>HttpClient</code> tests don't report leaks
JDK-8331077	<code>nroff</code> man page update for <code>jar</code> tool
JDK-8331081	'internal proprietary API' diagnostics if <code>--system</code> is configured to an earlier JDK version
JDK-8331085	Crash in <code>MergePrimitiveArrayStores::is_compatible_store()</code>
JDK-8331087	Move immutable <code>nmethod</code> data from <code>CodeCache</code>
JDK-8331088	Incorrect <code>TraceLoopPredicate</code> output

Issue ID	Summary
JDK-8331094	ZGC: GTest fails due to incompatible Windows version
JDK-8331097	Tests build is broken after pr/18914
JDK-8331098	[Aarch64] Fix crash in Arrays.equals() intrinsic with -CCP
JDK-8331108	Unused Math.abs call in java.lang.FdLibm.Expm1#compute
JDK-8331113	createJMHBundle.sh support configurable maven repo mirror
JDK-8331114	Further improve performance of MethodTypeDesc::descriptorString
JDK-8331118	Remove Serial includes from space.hpp
JDK-8331134	Port SimpleStringBuilderStrategy to use ClassFile API
JDK-8331142	Add test for number of loader threads in BasicDirectoryModel
JDK-8331150	RISC-V: Fix "bad AD file" bug
JDK-8331153	JFR: Improve logging of jdk/jfr/api/consumer/filestream/TestOrdered.java
JDK-8331159	VM build without C2 fails after JDK-8180450
JDK-8331164	createJMHBundle.sh download jars fail when url needed to be redirected
JDK-8331167	UBSan enabled build fails in adlc on macOS
JDK-8331175	Parallel: Remove VerifyRememberedSets
JDK-8331185	Enable compiler memory limits in debug builds
JDK-8331187	Optimize MethodTypeDesc and ClassDesc.ofDescriptor for primitive types

Issue ID	Summary
JDK-8331189	Implementation of Scoped Values (Third Preview)
JDK-8331193	Return references when possible in GrowableArray
JDK-8331194	NPE in ArrayCreationTree.java with -XX:-UseCompressedOops
JDK-8331200	Serial: Remove unused methods in SerialHeap
JDK-8331202	Support for Duration until another Instant
JDK-8331207	Misleading example in DateFormat#parse docs
JDK-8331208	Memory stress test that checks OutOfMemoryError stack trace fails
JDK-8331212	Error recovery for broken switch expressions could be improved
JDK-8331222	Malformed text in the jpackage doc page
JDK-8331224	ClassCastException in ObjectInputStream hides ClassNotFoundException
JDK-8331231	containers/docker/TestContainerInfo.java fails
JDK-8331252	C2: MergeStores: handle negative shift values
JDK-8331253	16 bits is not enough for nmethod::_skipped_instructions_size field
JDK-8331264	Reduce java.lang.constant initialization overhead
JDK-8331281	RISC-V: C2: Support vector-scalar and vector-immediate bitwise logic instructions
JDK-8331284	Inline methods in softRefPolicy.cpp

Issue ID	Summary
JDK-8331285	Deprecate and obsolete OldSize
JDK-8331291	java.lang.classfile.Attributes class performs a lot of static initializations
JDK-8331298	avoid alignment checks in UBSAN enabled build
JDK-8331320	ClassFile API OutOfMemoryError with certain class files
JDK-8331331	:tier1 target explanation in doc/testing.md is incorrect
JDK-8331334	com/sun/net/httpserver/HttpsParametersClientAuthTest.java fails in testServerNeedClientAuth(false)
JDK-8331344	No compiler replay file with CompilerCommand MemLimit
JDK-8331346	Update PreviewFeature of STREAM_GATHERERS to JEP-473
JDK-8331348	Some incremental builds deposit files in the make directory
JDK-8331352	error: template-id not allowed for constructor/destructor in C++20
JDK-8331360	RISCV: u32 _partial_subtype_ctr loaded/stored as 64
JDK-8331389	runtime/ErrorHandling/TestDwarf.java fails with "Crash JVM should not exit gracefully"
JDK-8331392	G1: Make HRPrinter distinguish between different types of reclamation
JDK-8331393	AArch64: u32 _partial_subtype_ctr loaded/stored as 64
JDK-8331394	G1: Remove SKIP_RETIRED_FULL_REGIONS define in G1HRPrinter
JDK-8331398	G1: G1HeapRegionPrinter reclamation events should print the original region type

Issue ID	Summary
JDK-8331399	RISC-V: Don't us mv instead of la
JDK-8331400	AArch64: Sync aarch64_vector.ad with aarch64_vector_ad.m4
JDK-8331401	G1: Make G1HRPrinter AllStatic
JDK-8331402	G1: Remove is_active() calls in G1HRPrinter logging
JDK-8331404	IGV: Show line numbers for callees in properties
JDK-8331405	Shenandoah: Optimize ShenandoahLock with TTAS
JDK-8331410	Remove unused MemAllocator::mem_allocate_inside_tlab
JDK-8331418	ZGC: generalize barrier liveness logic
JDK-8331421	ubsan: vmreg.cpp checking error member call on misaligned address
JDK-8331427	Rename confusingly named ArraysSupport.signedHashCode
JDK-8331428	ubsan: JVM flag checking complains about MaxTenuringThresholdConstraintFunc, InitialTenuringThresholdConstraintFunc and AllocatePrefetchStepSizeConstraintFunc
JDK-8331429	[JVMCI] Cleanup JVMCIRuntime allocation routines
JDK-8331466	Problemlist serviceability/dcmd/gc/RunFinalizationTest.java on generic-all
JDK-8331478	JFR: Rename printHelp methods for jdk.jfr.internal.dcmd classes
JDK-8331485	Odd Results when Parsing Scientific Notation with Large Exponent
JDK-8331495	Limit BasicDirectoryModel/LoaderThreadCount.java to Windows only

Issue ID	Summary
JDK-8331507	JFR: Improve example usage in -XX:StartFlightRecording:help
JDK-8331511	Tests should not use the "Classpath" exception form of the legal header
JDK-8331513	Tests should not use the "Classpath" exception form of the legal header
JDK-8331514	Tests should not use the "Classpath" exception form of the legal header
JDK-8331516	Tests should not use the "Classpath" exception form of the legal header
JDK-8331518	Tests should not use the "Classpath" exception form of the legal header
JDK-8331535	Incorrect prompt for Console.readLine
JDK-8331537	Test code should not use the "Classpath" exception clause
JDK-8331540	[BACKOUT] NMT: add/make a mandatory MEMFLAGS argument to family of os::reserve/commit/uncommit memory API
JDK-8331541	[i386] linking with libjvm.so fails after JDK-8283326
JDK-8331546	Build failure after 8330076
JDK-8331549	Inline MemAllocator::mem_allocate_slow
JDK-8331557	Serial: Refactor SerialHeap::do_collection
JDK-8331558	AArch64: optimize integer remainder
JDK-8331562	G1: Remove API to force allocation of new regions
JDK-8331569	G1: Rename G1HRPrinter to G1HeapRegionPrinter

Issue ID	Summary
JDK-8331572	Allow using OopMapCache outside of STW GC phases
JDK-8331573	Rename CollectedHeap::is_gc_active to be explicitly about STW GCs
JDK-8331575	C2: crash when ConvL2I is split thru phi at LongCountedLoop
JDK-8331577	RISC-V: C2 CountLeadingZerosV
JDK-8331578	RISC-V: C2 CountTrailingZerosV
JDK-8331579	Reference to primitive type fails without error or warning
JDK-8331582	Incorrect default Console provider comment
JDK-8331591	sun.font.CharSequenceCodePointIterator is buggy and unused
JDK-8331605	jdk/test/lib/TestMutuallyExclusivePlatformPredicates.java test failure
JDK-8331626	unsafe.cpp:162:38: runtime error in index_oop_from_field_offset_long - applying non-zero offset 4563897424 to null pointer
JDK-8331633	Use MIN2 in bound_minus_alignment
JDK-8331636	[BACKOUT] Build failure after 8330076
JDK-8331646	Add specific regression leap year tests
JDK-8331653	JFR: Improve logging for jdk/jfr/api/consumer/recordingstream;TestStop.java
JDK-8331655	ClassFile API ClassCastException with verbose output of certain class files
JDK-8331660	Parallel: Cleanup includes in parallelScavengeHeap files

Issue ID	Summary
JDK-8331670	Deprecate the Memory-Access Methods in sun.misc.Unsafe for Removal
JDK-8331675	gtest CollectorPolicy.young_min_ergo_vm fails after 8272364
JDK-8331680	NumberFormat is missing some bad exponent strict parse cases
JDK-8331681	Test that jdk.internal.io.JdkConsole does not interpret prompts
JDK-8331683	Clean up GetCarrierThread
JDK-8331695	Serial: DefNewGeneration:_promotion_failed used without being initialized
JDK-8331708	jdk/internal/jline/RedirectedStdOut.java times-out on macosx-aarch64
JDK-8331714	Make OopMapCache installation lock-free
JDK-8331715	Remove virtual specifiers in ContiguousSpace
JDK-8331724	Refactor j.l.constant implementation to internal package
JDK-8331731	ubsan: relocInfo.cpp:155:30: runtime error: applying non-zero offset to null pointer
JDK-8331734	Atomic MemorySegment VarHandle operations fails for element layouts
JDK-8331736	C2: Live Node limit exceeded limit after JDK-8316991
JDK-8331744	java.lang.classfile.TypeKind improvements
JDK-8331746	Create a test to verify that the cmm id is not ignored
JDK-8331764	C2 SuperWord: refactor _align_to_ref/_mem_ref_for_main_loop_alignment

Issue ID	Summary
JDK-8331771	ZGC: Remove OopMapCacheAlloc_lock ordering workaround
JDK-8331789	ubsan: deoptimization.cpp:403:29: runtime error: load of value 208, which is not a valid value for type 'bool'
JDK-8331798	Remove unused arg of checkErgonomics() in TestMaxHeapSizeTools.java
JDK-8331851	Add specific regression leap year tests for Calendar.roll()
JDK-8331854	ubsan: copy.hpp:218:10: runtime error: addition of unsigned offset to 0x7fc2b4024518 overflowed to 0x7fc2b4024510
JDK-8331855	Convert jdk.jdeps jdeprscan and jdeps to use the Classfile API
JDK-8331858	[nmt] VM.native_memory statistics should work in summary mode
JDK-8331862	Remove split relocation info implementation
JDK-8331863	DUIterator_Fast used before it is constructed
JDK-8331864	Update Public Suffix List to 1cbd6e7
JDK-8331865	Consolidate size and alignment checks in LayoutPath
JDK-8331866	Add warnings for locale data dependence
JDK-8331876	JFR: Move file read and write events to java.base
JDK-8331877	JFR: Remove JInliner framework
JDK-8331879	Clean up non-standard use of /// comments in java.base
JDK-8331885	C2: meet between unloaded and speculative types is not symmetric

Issue ID	Summary
JDK-8331886	Allow markdown src file overrides
JDK-8331896	JFR: Improve check for JDK classes
JDK-8331905	Fix direct includes of g1_globals.hpp
JDK-8331907	BigInteger and BigDecimal should use optimized division
JDK-8331908	Simplify log code in vectorintrinsic.cpp
JDK-8331920	ubsan: g1CardSetContainers.inline.hpp:266:5: runtime error: index 2 out of bounds for type 'G1CardSetHowl::ContainerPtr' reported
JDK-8331921	Hotspot assembler files should use common logic to setup exported functions
JDK-8331924	Parallel: Remove unused MutableSpace::mangle_unused_area_complete
JDK-8331931	JFR: Avoid loading regex classes during startup
JDK-8331932	Startup regressions in 23-b13
JDK-8331934	[s390x] Add support for primitive array C1 clone intrinsic
JDK-8331939	Add custom hook for TestImage
JDK-8331940	ClassFile API ArrayIndexOutOfBoundsException with certain class files
JDK-8331941	Make CollectedHeap::parallel_object_iterator public
JDK-8331942	On Linux aarch64, CDS archives should be using 64K alignment by default
JDK-8331947	Preview creates checkbox for JEP-less preview feature

Issue ID	Summary
JDK-8331950	Remove MemoryPoolMBean/isCollectionUsageThresholdExceeded from ZGC ProblemLists
JDK-8331953	ubsan: metaspaceShared.cpp:1305:57: runtime error: applying non-zero offset 12849152 to null pointer
JDK-8331975	Enable case-insensitive check in ccache and keytab entry lookup
JDK-8331977	Crash: SIGSEGV in dlerror()
JDK-8331987	Enhance stacktrace clarity for CompletableFuture CancellationException
JDK-8331993	Add counting leading/trailing zero tests for Integer
JDK-8331999	BasicDirectoryModel/LoaderThreadCount.java frequently fails on Windows in CI
JDK-8332003	Clarify javadoc for MemoryLayout::offsetHandle
JDK-8332006	Test com/sun/net/httpserver/TcpNoDelayNotRequired.java run timeout with -Xcomp
JDK-8332008	Enable issuestitle check
JDK-8332015	since-checker - Add @ since tags to jdk.httpserver
JDK-8332020	jwebserver tool prints invalid URL in case of IPv6 address binding
JDK-8332029	Provide access to initial value of stderr via JavaLangAccess
JDK-8332032	C2: Remove ExpandSubTypeCheckAtParseTime flag
JDK-8332039	Cannot invoke "com.sun.source.util.DocTreePath.getTreePath()" because "path" is null

Issue ID	Summary
JDK-8332042	Move MEMFLAGS to its own include file
JDK-8332064	Implementation of Structured Concurrency (Third Preview)
JDK-8332065	Calling readLine(null...) or readPassword(null...) on System.console() hangs jshell
JDK-8332066	AArch64: Math test failures since JDK-8331558
JDK-8332070	Convert package.html files in <code>java.management</code> to <code>package-info.java</code>
JDK-8332071	Convert package.html files in <code>java.management.rmi</code> to <code>package-info.java</code>
JDK-8332080	Update troff man page for javadoc
JDK-8332082	Shenandoah: Use consistent tests to determine when pre-write barrier is active
JDK-8332084	Ensure <code>JdkConsoleImpl.restoreEcho</code> visibility in a shutdown hook
JDK-8332085	Remove 10 year old transition check in <code>GenerateCurrencyData</code> tool
JDK-8332086	Remove the usage of <code>ServiceLoader</code> in <code>j.u.r.RandomGeneratorFactory</code>
JDK-8332096	hotspot-ide-project fails with this-escape
JDK-8332098	Add missing <code>@since</code> tags to <code>jdk.jdi</code>
JDK-8332100	Add missing <code>@since</code> to <code>KeyValue::EC_TYPE</code> in <code>java.xml.crypto</code>
JDK-8332101	Add an <code>@since</code> to <code>StandardOperation:REMOVE</code> in <code>jdk.dynalink</code>
JDK-8332102	Add <code>@since</code> to <code>package-info</code> of <code>jdk.security.jarsigner</code>

Issue ID	Summary
JDK-8332106	VerifyError when using switch pattern in this(...) or super(...)
JDK-8332109	Convert remaining tests using com.sun.tools.classfile to ClassFile API
JDK-8332110	[macos] jpackage tries to sign added files without the --mac-sign option
JDK-8332111	[BACKOUT] A way to align already compiled methods with compiler directives
JDK-8332112	Update nsk.share.Log to don't print summary during VM shutdown hook
JDK-8332119	Incorrect IllegalArgumentException for C2 compiled permute kernel
JDK-8332122	[nmt] Totals for malloc should show total peak
JDK-8332123	[nmt] Move mallocLimit code to the nmt subdir
JDK-8332130	RISC-V: remove wrong instructions of Vector Crypto Extension
JDK-8332153	RISC-V: enable tests and add comment for vector shift instruct (shared by vectorization and Vector API)
JDK-8332154	Memory leak in SynchronousQueue
JDK-8332176	Refactor ClassListParser::parse()
JDK-8332181	Deprecate for removal the MulticastSocket.send(DatagramPacket, byte) and setTTL/getTTL methods on DatagramSocketImpl and MulticastSocket
JDK-8332226	"Invalid package name:" from source launcher
JDK-8332228	TypePollution.java: Unrecognized VM option 'UseSecondarySuperCache'
JDK-8332230	jshell throws AssertionError when processing annotations

Issue ID	Summary
JDK-8332236	javac crashes with module imports and implicitly declared class
JDK-8332237	[nmt] Remove the need for ThreadStackTracker::track_as_vm()
JDK-8332239	Improve CSS for block tags
JDK-8332245	C2: missing record_for_ign() call in GraphKit::must_be_not_null()
JDK-8332248	(fc) java/nio/channels/FileChannel/BlockDeviceSize.java failed with RuntimeException
JDK-8332253	Linux arm32 build fails after 8292591
JDK-8332255	Shenandoah: Remove duplicate definition of init mark closure
JDK-8332256	Shenandoah: Do not visit heap threads during shutdown
JDK-8332257	Shenandoah: Move evacuation methods to implementation file
JDK-8332259	JvmtiTrace::safe_get_thread_name fails if current thread is in native state
JDK-8332265	RISC-V: Materialize pointers faster by using a temp register
JDK-8332297	annotation processor that generates records sometimes fails due to NPE in javac
JDK-8332303	Better JMX interoperability with older JDKs, after removing Subject Delegation
JDK-8332327	Return _methods_jmethod_ids field back in VMStructs
JDK-8332340	Add JavacBench as a test case for CDS
JDK-8332360	JVM hangs at exit when running on a uniprocessor

Issue ID	Summary
JDK-8332376	Add @since tags to <code>java.management.rmi</code>
JDK-8332393	Problemlist <code>compiler/rangechecks/TestArrayAccessAboveRCAfterRCCastIIEliminated.java</code>
JDK-8332394	Add friendly output when @IR rule missing value
JDK-8332401	G1: <code>TestFromCardCacheIndex.java</code> with <code>-XX:GCCardSizeInBytes=128</code> triggers underflow assertion
JDK-8332403	Anachronistic reference to Netscape Communicator in Swing API docs
JDK-8332416	Add more font selection options to <code>Font2DTest</code>
JDK-8332424	Update IANA Language Subtag Registry to Version 2024-05-16
JDK-8332431	<code>NullPointerException</code> in <code>JTable</code> of <code>SwingSet2</code>
JDK-8332448	Make <code>SpaceMangler</code> inherit <code>AllStatic</code>
JDK-8332457	Examine startup overheads from <code>JDK-8294961</code>
JDK-8332462	ubsan: <code>c1_ValueStack.hpp:229:49: runtime error: load of value 171, which is not a valid value for type 'bool'</code>
JDK-8332463	Byte conditional pattern case element dominates short constant case element
JDK-8332473	ubsan: <code>growableArray.hpp:290:10: runtime error: null pointer passed as argument 1, which is declared to never be null</code>
JDK-8332476	<code>j.u.r.RandomGeneratorFactor.create(long byte[])</code> should throw rather than silently fallback to <code>no-arg create()</code>
JDK-8332486	ClassFile API <code>ArrayIndexOutOfBoundsException</code> with label metadata

Issue ID	Summary
JDK-8332487	Regression in Crypto-AESGCMBench.encrypt (and others) after JDK-8328181
JDK-8332490	JMH org.openjdk.bench.java.util.zip.InflaterInputStreams.inflaterInputStreamRead OOM
JDK-8332494	java/util/zip/EntryCount64k.java failing with java.lang.RuntimeException: '\A\Z' missing from stderr
JDK-8332495	java/util/logging/LoggingDeadlock2.java fails with AssertionError: Some tests failed
JDK-8332497	javac prints an AssertionError when annotation processing runs on program with module imports
JDK-8332498	[aarch64, x86] improving OpToAssembly output for partialSubtypeCheckConstSuper Instruct
JDK-8332499	Gtest codestrings.validate_vm fail on linux x64 when hsdisk is present
JDK-8332505	JEP 457: ClassRemapper forgets to remap bootstrap method references
JDK-8332507	compilation result depends on compilation order
JDK-8332514	Allow class space size to be larger than 3GB
JDK-8332527	ZGC: generalize object cloning logic
JDK-8332528	Generate code in SwitchBootstraps.generateTypeSwitch that require fewer adaptations
JDK-8332533	RISC-V: Enable vector variable shift instructions for machines with RVV
JDK-8332538	Switch off JIT memory limit check for TestAlignVectorFuzzer.java

Issue ID	Summary
JDK-8332545	Fix handling of HTML5 entities in Markdown comments
JDK-8332547	Unloaded signature classes in DirectMethodHandles
JDK-8332550	[macos] Voice Over: java.awt.IllegalComponentStateException: component must be showing on the screen to determine its location
JDK-8332586	Avoid cloning empty arrays in java.lang.reflect.{Method,Constructor}
JDK-8332589	ubsan: unix/native/libjava/ProcessImpl_md.c:562:5: runtime error: null pointer passed as argument 2, which is declared to never be null
JDK-8332595	Serial: Remove unused TenuredGeneration::should_collect
JDK-8332597	Remove redundant methods from j.l.classfile.ClassReader API
JDK-8332610	Remove unused nWakeup in ObjectMonitor
JDK-8332614	Type-checked ConstantPool.entryByIndex and ClassReader.readEntryOrNull
JDK-8332615	RISC-V: Support vector unsigned comparison instructions for machines with RVV
JDK-8332631	Update nsk.share.jpda.BindServer to don't use finalization
JDK-8332641	Update nsk.share.jpda.Jdb to don't use finalization
JDK-8332670	C1 clone intrinsic needs memory barriers
JDK-8332671	Logging for pretouching thread stacks shows wrong memory range
JDK-8332675	test/hotspot/jtreg/gc/testlibrary/Helpers.java compileClass javadoc does not match after 8321812

Issue ID	Summary
JDK-8332676	Remove unused BarrierSetAssembler::incr_allocated_bytes
JDK-8332678	Serial: Remove use of should_clear_all_soft_refs in serial folder
JDK-8332683	G1: G1CardSetArray::EntryDataType triggers ubsan runtime errors
JDK-8332717	ZGC: Division by zero in heuristics
JDK-8332720	ubsan: instanceKlass.cpp:3550:76: runtime error: member call on null pointer of type 'struct Array'
JDK-8332724	x86 MacroAssembler may over-align code
JDK-8332725	Binding patterns with inferred type have erroneous node in the AST
JDK-8332735	[JVMCI] Add extra JVMCI events for exception translation
JDK-8332739	Problemlist compiler/codecache/CheckLargePages until JDK-8332654 is fixed
JDK-8332740	[BACKOUT] JDK-8331081 'internal proprietary API' diagnostics if --system is configured to an earlier JDK version
JDK-8332743	Update comment related to JDK-8320522
JDK-8332745	Method::is_vanilla_constructor is never used
JDK-8332749	Broken link in MemorySegment.Scope.html
JDK-8332750	Broken link in CatalogFeatures.html
JDK-8332751	Broken link in VirtualMachine.html
JDK-8332777	Update JCTest suite

Issue ID	Summary
JDK-8332785	Replace naked uses of UseSharedSpaces with CDSConfig::is_using_archive
JDK-8332807	Parallel: Make some APIs in ParMarkBitMap private
JDK-8332808	Always set java.io.tmpdir to a suitable value in the build
JDK-8332825	ubsan: guardedMemory.cpp:35:11: runtime error: null pointer passed as argument 2, which is declared to never be null
JDK-8332826	Make hashCode methods in ArraysSupport friendlier
JDK-8332829	[BACKOUT] C2: crash in compiled code because of dependency on removed range check CastIls
JDK-8332841	GenShen: Pull shared members from control thread into common base class
JDK-8332849	Update doc/testing.{md,html} (spelling and stale information)
JDK-8332858	References with escapes have broken positions after they are transformed
JDK-8332864	Parallel: Merge ParMarkBitMapClosure into MoveAndUpdateClosure
JDK-8332865	ubsan: os::attempt_reserve_memory_between reports overflow
JDK-8332866	Crash in ImageIO JPEG decoding when MEM_STATS is enabled
JDK-8332871	Parallel: Remove public bits APIs in ParMarkBitMap
JDK-8332880	JFR GCHelper class recognizes "Archive" regions as valid
JDK-8332883	Some simple cleanup in vectornode.cpp
JDK-8332885	Clarify failure_handler self-tests

Issue ID	Summary
JDK-8332890	Module imports don't work inside the same module
JDK-8332894	ubsan: vmError.cpp:2090:26: runtime error: division by zero
JDK-8332898	failure_handler: log directory of commands
JDK-8332899	RISC-V: add comment and make the code more readable (if possible) in MacroAssembler::movptr
JDK-8332900	RISC-V: refactor nativeInst_riscv.cpp and macroAssembler_riscv.cpp
JDK-8332904	ubsan ppc64le: c1_LIRGenerator_ppc.cpp:581:21: runtime error: signed integer overflow: 9223372036854775807 + 1 cannot be represented in type 'long int'
JDK-8332905	C2 SuperWord: bad AD file, with RotateRightV and first operand not a pack
JDK-8332917	failure_handler should execute gdb "info threads" command on linux
JDK-8332919	SA PointerLocation needs to print a newline after dumping java thread info for JNI Local Ref
JDK-8332920	C2: Partial Peeling is wrongly applied for CmpU with negative limit
JDK-8332921	Ctrl+C does not call shutdown hooks after JLine upgrade
JDK-8332922	Test java/io/IO/IO.java fails when /usr/bin/expect not exist
JDK-8332923	ObjectMonitorUsage.java failed with unexpected waiter_count
JDK-8332935	Crash: assert>(*lastPtr != 0) failed: Mismatched JNINativeInterface tables, check for new entries

Issue ID	Summary
JDK-8332936	Test vmTestbase/metaspaces/gc/watermark_70_80/TestDescription.java fails with no GC's recorded
JDK-8332956	Problem list CodeCacheFullCountTest.java until JDK-8332954 is fixed
JDK-8332959	C2: ZGC fails with 'Incorrect load shift' when invoking Object.clone() reflectively on an array
JDK-8332960	ubsan: classListParser.hpp:159:12: runtime error: load of value 2101478704, which is not a valid value for type 'ParseMode'
JDK-8332961	Parallel: Limit PSParallelCompact::verify_complete range
JDK-8333005	Deadlock when setting or updating the inline cache
JDK-8333006	RISC-V: C2: Support vector-scalar and vector-immediate arithmetic instructions
JDK-8333013	Update vmTestbase/nsk/share/LocalProcess.java to don't use finalization
JDK-8333035	Parallel: Remove ParMarkBitMap::IterationStatus
JDK-8333046	Clean codes in sun.security.util.math
JDK-8333047	Remove arena-size-workaround in jvmtiUtils.cpp
JDK-8333086	Using Console.println is unnecessarily slow due to JLine initialization
JDK-8333093	Incorrect comment in zAddress_aarch64.cpp
JDK-8333099	Missing check for is_LoadVector in StoreNode::Identity
JDK-8333103	Re-examine the console provider loading

Issue ID	Summary
JDK-8333105	Shenandoah: Results of concurrent mark may be lost for degenerated cycle
JDK-8333107	javac fails with an exception when processing broken lambda
JDK-8333108	Update vmTestbase/nsk/share/DebuggeeProcess.java to don't use finalization
JDK-8333116	test/jdk/tools/jpackage/share/ServiceTest.java test fails
JDK-8333128	Linux x86_32 configure fail with --with-hsdis=binutils --with-binutils-src
JDK-8333129	Move ShrinkHeapInSteps flag to Serial GC
JDK-8333130	MakeJAR2.sh uses hard-coded JDK version
JDK-8333131	Source launcher should work with service loader SPI
JDK-8333149	ubsan : memset on nullptr target detected in jvmtiEnvBase.cpp get_object_monitor_usage
JDK-8333154	RISC-V: Add support for primitive array C1 clone intrinsic
JDK-8333169	javac NullPointerException record.type
JDK-8333177	Invalid value used for enum Cell in ciTypeFlow::get_start_state
JDK-8333178	ubsan: jvmti_tools.cpp:149:16: runtime error: null pointer passed as argument 2, which is declared to never be null
JDK-8333182	Add truncated tracing mode for TraceBytecodes
JDK-8333189	Make sure clang on linux uses lld as linker
JDK-8333200	Test containers/docker/TestPids.java fails Limit value -1 is not accepted as unlimited

Issue ID	Summary
JDK-8333226	Regressions 2-3% in Compress ZGC after 8331253
JDK-8333229	Parallel: Rename ParMarkBitMap::_region_start to _heap_start
JDK-8333235	vmTestbase/nsk/jdb/kill/kill001/kill001.java fails with C1
JDK-8333236	Test java/foreign/TestAccessModes.java is timing out after passing
JDK-8333252	C2: assert(assertion_predicate_has_loop_opaque_node(iff)) failed: must find OpaqueLoop* nodes
JDK-8333264	Remove unused resolve_sub_helper declaration after JDK-8322630
JDK-8333270	HandlersOnComplexResetUpdate and HandlersOnComplexUpdate tests fail with "Unexpected reference" if timeoutFactor is less than 1/3
JDK-8333276	RISC-V: client VM build failure after JDK-8241503
JDK-8333290	NMT report should not print Metaspace info if Metaspace is not yet initialized
JDK-8333301	Remove static builds using --enable-static-build
JDK-8333303	Issues with DottedVersion class
JDK-8333307	Don't suppress jpackage logging in tests when it is detecting packaging tools in the system
JDK-8333312	Incorrect since tags on new ClassReader and ConstantPool methods
JDK-8333326	Linux Alpine build fails after 8302744
JDK-8333344	JMX attaching of Subject does not work when security manager not allowed
JDK-8333353	Delete extra empty line in CodeBlob.java

Issue ID	Summary
JDK-8333358	java/io/IO/IO.java test fails intermittently
JDK-8333366	C2: CmpU3Nodes are not pushed back to worklist in PhaseCCP leading to non-fixpoint assertion failure
JDK-8333394	C2: assert(bol→is_Opaque4() bol→is_OpaquelinitializedAssertionPredicate()) failed: Opaque node of non-null-check or of Initialized Assertion Predicate
JDK-8333398	Uncomment the commented test in test/jdk/java/util/jar/JarFile/mrjar/MultiReleaseJarAPI.java
JDK-8333410	[AArch64] Clean unused classes in nativeInst_aarch64.hpp
JDK-8333434	IGV: Print loop node for PHASE_BEFORE/AFTER_CLOOPS
JDK-8333444	Parallel: Inline PParallelCompact::mark_obj
JDK-8333462	Performance regression of new DecimalFormat() when compare to jdk11
JDK-8333486	Parallel: Remove unused methods in psParallelCompact
JDK-8333542	Breakpoint in parallel code does not work
JDK-8333554	Parallel: Remove unused PParallelCompact::is_in
JDK-8333560	-Xlint:restricted does not work with --release
JDK-8333583	Crypto-XDH.generateSecret regression after JDK-8329538
JDK-8333586	Improve syntax of @see tags in javax.lang.model
JDK-8333590	UnmodifiableHeaders.toString() returns a value that represents empty headers

Issue ID	Summary
JDK-8333622	ubsan: relocInfo_x86.cpp:101:56: runtime error: pointer index expression with base (-1) overflowed
JDK-8333644	C2: assert(is_Boot()) failed: invalid node class: Phi
JDK-8333647	C2 SuperWord: some additional PopulateIndex tests
JDK-8333674	Disable CollectorPolicy.young_min_ergo_vm for PPC64
JDK-8333722	Fix CompilerDirectives for non-compiler JVM variants
JDK-8333724	Problem list security/infra/java/security/cert/CertPathValidator/certification/CAInterop.java #teliasonerarootcav1
JDK-8333743	Change .jcheck/conf branches property to match valid branches
JDK-8333748	javap crash - Fatal error: Unmatched bit position 0x2 for location CLASS
JDK-8333804	java/net/httpclient/ForbiddenHeadTest.java threw an exception with 0 failures
JDK-8333827	JDK 23 RDP1 L10n resource files update
JDK-8333829	ProblemList sun/security/pkcs11/sslecc/ClientJSSEServerJSSE.java due to JDK-8333317
JDK-8333849	(dc) DatagramChannel send/receive fails with UOE if buffer backed by memory segment allocated from shared arena
JDK-8333854	IllegalAccessError with proxies after JDK-8332457
JDK-8333884	MemorySegment::reinterpret removes read-only property

Issue ID	Summary
JDK-8333886	Explicitly specify that asSlice and reinterpret return a memory segment backed by the same region of memory.
JDK-8333931	Problemlist serviceability/jvmti/vthread/CarrierThreadEventNotification
JDK-8334032	javax.print: Missing @since tag in new class OutputBin
JDK-8334043	VerifyError when inner class is accessed in prologue
JDK-8334162	Gatherer.defaultCombiner has an erroneous @see-link
JDK-8334167	Test java/lang/instrument/NativeMethodPrefixApp.java timed out
JDK-8334222	exclude containers/cgroup/PlainRead.java
JDK-8334258	Compiler erroneously allows access to instance variable in argument expression of a constructor invocation
JDK-8334297	(so) java/nio/channels/SocketChannel/OpenLeak.java should not depend on SecurityManager
JDK-8334332	TestIOException.java fails if run by root
JDK-8334333	MissingResourceCauseTestRun.java fails if run by root
JDK-8334339	Test java/nio/file/attribute/BasicFileAttributeView/CreationTime.java fails on alinux3
JDK-8334402	ProblemList test/hotspot/jtreg/compiler/c2/TestMergeStores.java on big endian platforms
JDK-8334418	Update IANA Language Subtag Registry to Version 2024-06-14

Issue ID	Summary
JDK-8334421	assert(!oldbox→is_unbalanced()) failed: this should not be called for unbalanced region
JDK-8334433	jshell.exe runs an executable test.exe on startup
JDK-8334441	Mark tests in jdk_security_infra group as manual
JDK-8334488	Improve error for illegal early access from nested class
JDK-8334509	Cancelling PageDialog does not return the same PageFormat object
JDK-8334580	Deprecate no-arg constructor BasicSliderUI() for removal
JDK-8334594	Generational ZGC: Deadlock after OopMap rewrites in 8331572
JDK-8334600	TEST java/net/MulticastSocket/IPMulticastIF.java fails on linux-aarch64
JDK-8334629	[BACKOUT] PhasIdealLoop::conditional_move is too conservative
JDK-8334653	ISO 4217 Amendment 177 Update
JDK-8334708	FFM: two javadoc problems
JDK-8334719	(se) Deferred close of SelectableChannel may result in a Selector doing the final close before concurrent I/O on channel has completed
JDK-8334757	[AssertionError] Missing type variable in where clause
JDK-8334762	[BACKOUT BACKPORT] Improve error for illegal early access from nested class
JDK-8334781	[JFR crash] assert(((JfrTraceIdBits::load(klass & JfrTraceIdEpoch::this_epoch_method_and_class_bits()) != 0))) failed: invariant

Issue ID	Summary
JDK-8334886	jdk/jfr/api/recording/time/TestTimeMultiple.java failed with RuntimeException: getStopTime() > afterStop
JDK-8334890	Missing unconditional cross modifying fence in nmethod entry barriers
JDK-8335124	com/sun/management/ThreadMXBean/ThreadCpuTimeArray.java failed with CPU time out of expected range
JDK-8335134	Test com/sun/jdi/BreakpointOnClassPrepare.java timeout
JDK-8335220	C2: Missing check for Opaque4 node in EscapeAnalysis
JDK-8335221	Some C2 intrinsics incorrectly assume that type argument is compile-time constant
JDK-8335390	C2 MergeStores: wrong result with Unsafe
JDK-8335409	Can't allocate and retain memory from resource area in frame::oops_interpreted_do oop closure after 8329665
JDK-8335475	ClassBuilder incorrectly calculates max_locals in some cases
JDK-8335479	JFR: Missing documentation for -XX:StartFlightRecording
JDK-8335637	Add explicit non-null return value expectations to Object.toString()
JDK-8335766	Switch case with pattern matching and guard clause compiles inconsistently
JDK-8335817	javac AssertionError addLocalVar checkNull
JDK-8335820	java/lang/invoke/LFCaching/LFSingleThreadCachingTest.java fails due to IllegalArgumentException: hash must be nonzero
JDK-8335824	Test gc/arguments/TestMinInitialErgonomics.java is timing out

Issue ID	Summary
JDK-8335935	Chained builders not sending transformed models to next transforms
JDK-8335966	Remove incorrect problem listing of java/lang/instrument/NativeMethodPrefixAgent.java in ProblemList-Virtual.txt
JDK-8335967	"text-decoration: none" does not work with "A" HTML tags
JDK-8336036	Synthetic documentation for a record's equals is incorrect for floating-point types
JDK-8336259	Wrong link to stylesheet.css in JavaDoc API documentation
JDK-8336375	Crash on paste to JShell
JDK-8337054	JDK 23 RDP2 L10n resource files update
JDK-8337716	ByteBuffer hashCode implementations are inconsistent
JDK-8337831	Remove EA from the JDK 23 version string with first RC promotion
JDK-8338139	{ClassLoading,Memory}MXBean::isVerbose methods are inconsistent with their setVerbose methods

JFX issues

This is the list of JFX issues fixed in this release.

Issue ID	Summary
JDK-8087444	CornerRadii with different horizontal and vertical values treated as uniform

Issue ID	Summary
JDK-8088172	[Mac] On German keyboard, pressing '+ q' inserts two apostrophes instead of one
JDK-8088923	IOOBE when adding duplicate categories to the BarChart
JDK-8089373	Translation from character to key code is not sufficient
JDK-8089803	[Mac, TextArea] Japanese IME, caret moves to the next line when pressing Return to select a candidate.
JDK-8090267	JFXPanel Input Problem
JDK-8092102	[Labeled] textTruncated property
JDK-8146918	ConcurrentModificationException in MediaPlayer
JDK-8186188	[TableColumnHeader] initial auto-size broken if has graphic
JDK-8193286	IntegerSpinnerFactory does not wrap value correctly
JDK-8198830	[BarChart] auto-range of CategoryAxis not working on dynamically setting data
JDK-8207379	Robot screen capture test fails with HiDPI at some screen locations
JDK-8221261	Deadlock on macOS in JFXPanel app when handling IME calls
JDK-8242553	IntegerSpinner and DoubleSpinner do not wrap around values correctly in some cases
JDK-8255679	RegionBackgroundImageUITest.unalignedImage_Cover fails because of wrong color
JDK-8260013	Snapshot does not work for nodes in a subscene

Issue ID	Summary
JDK-8267565	Support "@3x" and greater high-density image naming convention
JDK-8270996	[javadoc] missing comments in serialized classes
JDK-8271865	SortedList::getViewIndex behaves not correctly for some index values
JDK-8273349	Check uses of Stream::peek in controls and replace as needed
JDK-8273657	[TextField] all text content must be selected initially
JDK-8278021	Fix warnings in macOS glass native code and treat warnings as errors
JDK-8279140	ComboBox can lose selected value on item change via setAll
JDK-8281327	fix does not work for all cases
JDK-8282999	Add support for EXT-X-MEDIA tag in HTTP Live Streaming
JDK-8289115	Touch events is not dispatched after upgrade to JAVAFX17+
JDK-8295945	Revert unintended change to copyright start year
JDK-8299738	ISE if Platform::exit called with fullScreen Stage on macOS 13
JDK-8301900	[TextArea] Committing text with ENTER in an IME window inserts newline
JDK-8306322	JDK8130122Test fails intermittently
JDK-8307117	[TextArea] wrapText property ignored when changing font
JDK-8307980	Rotate Transformation never invalidates inverseCache
JDK-8308955	MediaPlayer/AudioClip skip data on seek/loop

Issue ID	Summary
JDK-8309374	Accessibility Focus Rectangle on ListItem is not drawn when ListView is shown for first time
JDK-8311124	[Windows] User installed font
JDK-8311492	FontSmoothingType LCD produces wrong color when transparency is used
JDK-8311895	CSS Transitions
JDK-8312603	ArrayIndexOutOfBoundsException in Marlin when scaleX is 0
JDK-8313032	Enhanced handling of Glass
JDK-8313040	Enhanced Font handling
JDK-8313048	Better Glyph handling
JDK-8313056	General enhancements of Glass
JDK-8313064	General enhancements of image handling
JDK-8313072	Enhanced handling of Fonts
JDK-8313105	Improved media framing
JDK-8313138	Scrollbar Keyboard enhancement
JDK-8314147	Updated the PhongMaterial documentation
JDK-8314215	Trailing Spaces before Line Breaks Affect the Center Alignment of Text
JDK-8314754	Minor ticks are not getting updated both the axes in LineChart

Issue ID	Summary
JDK-8316372	Monkey Tester Application Part 3
JDK-8318614	Update WebKit to 617.1
JDK-8318624	API docs specify incorrect default value for nodeOrientation property
JDK-8319844	Text/TextFlow.hitTest() is incorrect in RTL orientation
JDK-8320441	Additional fix for JDK-8313032
JDK-8320563	Remove D3D9 code paths in favor of D3D9Ex
JDK-8320912	IME should commit on focus change
JDK-8320965	Scrolling on a touch enabled display fails on Wayland
JDK-8321603	Bump minimum JDK version for JavaFX to JDK 21
JDK-8322215	[win] OS events that close the stage can cause Glass to reference freed memory
JDK-8322236	Build failure after JDK-8313064
JDK-8322251	[Linux] JavaFX is not displaying CJK on Ubuntu 23.10 and later
JDK-8322619	Parts of SG no longer update during rendering - overlapping - culling - dirty
JDK-8322703	Intermittent crash in WebView in a JFXPanel from IME calls on macOS
JDK-8322748	Caret blinking in JavaFX should only stop when caret moves
JDK-8322784	JFXPanel calls InputMethodRequests on wrong thread

Issue ID	Summary
JDK-8322964	Optimize performance of CSS selector matching
JDK-8323209	Change JavaFX release version to 23
JDK-8323511	Scrollbar Click jumps inconsistent amount of pixels
JDK-8323543	NPE when table items are set to null
JDK-8323615	PopupControl.skin.setSkin(Skin) fails to call dispose() on discarded Skin
JDK-8323879	constructor Path(Path) which takes another Path object fail to draw on canvas html
JDK-8323880	Caret rendered at wrong position in case of a click event on RTL text
JDK-8324182	Deprecate for removal SimpleSelector and CompoundSelector classes
JDK-8324232	KeyEvent.getCode() is null inside JFXPanel
JDK-8324233	Update JPEG Image Decoding Software to 9f
JDK-8324237	Typo in comment in GlassApplication.m
JDK-8324239	JFXPanelHiDPITest fails on Windows 11
JDK-8324270	Update boot JDK to 21.0.2
JDK-8324326	Update ICU4C to 74.2
JDK-8324327	ColorPicker shows a white rectangle on clicking on picker
JDK-8324337	Cherry-pick WebKit 617.1 stabilization fixes

Issue ID	Summary
JDK-8324658	Allow animation play/start/stop/pause methods to be called on any thread
JDK-8324797	Code example in JavaDoc of ObservableValue#when doesn't compile
JDK-8324879	Platform-specific preferences keys are incorrect for Windows toolkit
JDK-8324939	Editable TableView loses focus after commit
JDK-8325073	[javadoc warnings] missing @param tags and other issues
JDK-8325075	Enable -Werror for javadoc to fail on any warnings
JDK-8325093	Update CONTRIBUTING.md for build jdk version
JDK-8325154	resizeColumnToFitContent is slower than it needs to be
JDK-8325258	Additional WebKit 617.1 fixes from WebKitGTK 2.42.5
JDK-8325402	TreeTableRow updateItem() does not check item with isItemChanged(..) unlike all other cell implementations
JDK-8325550	Grammatical error in AnchorPane.setLeftAnchor (and other setters) javadoc
JDK-8325566	[TestBug] Util.shutdown() to hide ALL Windows
JDK-8325591	[Mac] DRAG_DONE reports null transferMode when destination is external
JDK-8325798	Spinner throws uncatchable exception on tab out from garbled text
JDK-8325873	Update JDK_DOCS property to point to JDK 21 docs
JDK-8325900	Emit a warning on macOS if AWT has set the NSAppearance

Issue ID	Summary
JDK-8326618	Replace usage of deprecated method getId() in Thread
JDK-8326619	Stage.sizeToScene() on maximized/fullscreen Stage breaks the Window
JDK-8326712	Robot tests fail on XWayland
JDK-8326989	Text selection issues on WebView after WebKit 617.1
JDK-8327177	[macOS] wrong GlobalRef deleted in GlassMenu
JDK-8327255	[javac lint warnings] removal, missing-explicit-ctor
JDK-8327471	RTLTextFlowCharacterIndexTest fails on Linux
JDK-8327482	Fix missing image resource in HelloImage toy app
JDK-8327727	Changing the row factory of a TableView does not recreate the rows
JDK-8328136	Create release notes for JavaFX 22
JDK-8328399	Add hs_err_pid* to .gitignore
JDK-8328400	Minor Cleanup
JDK-8328577	Toolbar's overflow button overlaps the items
JDK-8328603	HLS video stream fails to render consistently
JDK-8328667	[Testbug] Enable ignored Spinner unit tests
JDK-8328718	Remove unused imports in javafx.controls
JDK-8328739	Remove unused imports in javafx.graphics

Issue ID	Summary
JDK-8328742	Remove unused imports in manual tests
JDK-8328745	Remove unused imports in system tests
JDK-8328746	Remove unused imports in demo apps
JDK-8328749	Remove unused imports in javafx.web
JDK-8328750	[TestBug] Improve Stub Font Support
JDK-8328751	Fix missing @Overrides in modules except javafx.web
JDK-8328752	Fix missing @Overrides in javafx.web
JDK-8328754	Fix missing @Overrides in test
JDK-8328811	Fix missing @Overrides in demos
JDK-8328818	Fix Decora JSL to remove missing @Override warnings
JDK-8328820	Remove unused imports in javafx.swing
JDK-8329011	Update SQLite to 3.45.3
JDK-8329705	Add missing Application thread checks to platform specific a11y methods
JDK-8329821	[Linux] When using i3 WM, menus are incorrectly sized
JDK-8330304	[MenuBar] Invisible Menu works incorrectly with keyboard arrows
JDK-8330462	StringIndexOutOfBoundsException when typing anything into TextField
JDK-8330590	[TextInputControl] previous word fails with Bhojpuri characters

Issue ID	Summary
JDK-8330701	Fix Eclipse project in tests/manual/text
JDK-8331214	[Doc] update spec for SpinnerFactory classes
JDK-8331319	IME Window breaks after popup menu
JDK-8331603	Cleanup native AbstractSurface methods getRGBImpl, setRGBImpl
JDK-8331616	ChangeListener is not triggered when the InvalidationListener is removed
JDK-8331748	Update libxml2 to 2.12.6
JDK-8331765	Websocket callbacks are not executed after WebKit 617.1 update
JDK-8332251	[javadoc] incorrect method references in Region and PopupControl
JDK-8332313	Update code review guidelines
JDK-8332328	[GHA] GitHub Actions build fails on Linux - unable to find gcc-13
JDK-8332539	Update libxml2 to 2.12.7
JDK-8332732	Clean up non-standard use of /// comments in JavaFX
JDK-8332748	Grammatical errors in animation API docs
JDK-8332863	Crash in JPEG decoder if we enable MEM_STATS
JDK-8333147	update maven classifier syntax to recent gradle version
JDK-8334138	Suppress removal warnings for sun.misc.Unsafe memory access methods
JDK-8334143	Suppress remaining removal warnings for internal methods and classes

Issue ID	Summary
JDK-8334161	Enable -Werror for javac tasks to fail on any warnings
JDK-8334656	Enable issuestitle check
JDK-8334657	Enable binary check
JDK-8334713	WebKit build failed on LoongArch64 because currentStackPointer is undefined
JDK-8334731	[GHA] build on macOS / aarch64
JDK-8334739	XYChart and (Stacked)AreaChart properties return incorrect beans
JDK-8335216	[windows] Missing error check for GetSystemDirectory in glass
JDK-8335630	Crash if Platform::exit called with fullScreen Stage on macOS 14
JDK-8335633	Missing @Override in Dimension
JDK-8336110	Update copyright header for files modified in 2024
JDK-8336272	[SizeToSceneTest] fullScreen tests fail on Ubuntu 22.04
JDK-8338478	[macos] Crash in CoreText with certain strings using JDK 22 or later

6. Updates to Third Party Libraries

This is the list of changes in the third party libraries.

Library	Full name	New Version	Module	JBS
ASM	ASM	9.6	java.base	JDK-8323835
CLDR	Common Locale Data Repository	45.0	java.base	JDK-8319990
CommonMark	CommonMark	0.22.0	jdk.internal.md	JDK-8298405
DejaVu fonts	DejaVu fonts	2.37	jdk.javadoc	JDK-8324774
GIFLIB	GIFLIB	5.2.2	java.desktop	JDK-8328999
JLine	JLine	3.26.1	jdk.internal.le	JDK-8327476
jQuery	jQuery	3.7.1	jdk.javadoc	JDK-8330063
LCMS	Little CMS	2.16	java.desktop	JDK-8321489
Libpng	Libpng	1.6.43	java.desktop	JDK-8329004
Zlib	Zlib	1.3.1	java.base	JDK-8326351

7. Upgrading to the New Version

To keep your Liberica JDK up-to-date and secure, always upgrade to the newest available version once it is released. To upgrade, install the new version over the previous one. For the installation instructions, see [Liberica JDK Installation Guide](#).



Liberica JDK 23+38
Release Notes

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