

Liberica JDK 25+37

Release Notes



Liberica JDK
25
September 16, 2025

be//soft

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1. Version information

This document provides information about Liberica JDK 25 release.

The full version string for this update release is 25+37. The version number is 25.

Liberica JDK 25 is distributed as `.apk`, `.rpm`, `.zip`, `.deb`, `.pkg`, 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-8024695	<p>Summary: <code>java.io.File</code> Treats the Empty Pathname As the Current User Directory</p> <p>Description: The <code>java.io.File</code> class is changed so that an instance of <code>File</code> created from the empty abstract pathname now behaves consistently like a <code>File</code> created from the current user directory. Long standing behavior was for some methods to fail for the empty pathname. The change means that the <code>canRead</code>, <code>exists</code>, and <code>isDirectory</code> methods return <code>true</code> instead of failing with <code>false</code>, and the <code>getFreeSpace</code>, <code>lastModified</code>, and <code>length</code> methods return the expected values instead of zero. Methods such as <code>setReadable</code> and <code>setLastModified</code> will attempt to change the file's attributes instead of failing. With this change, <code>java.io.File</code> now matches the behavior of the <code>java.nio.file</code> API.</p>

Issue ID

JDK-8164714

Summary: Inner Classes Must Not Have `null` as their Immediately Enclosing Instance

Description: In Java programs, every instance of an inner class has an immediately enclosing instance. When an inner class is instantiated with the `new` keyword, the immediately enclosing instance is passed to the inner class's constructor via a parameter not visible in source code. The Java Language Specification (15.9.4) requires that the immediately enclosing instance is not `null`. Prior to JDK 25, `javac` inserted a null check on the immediately enclosing instance before it was passed to the inner class's constructor. No null check was performed in the body of the inner class's constructor. As a result, it was possible to use core reflection, e.g., `java.lang.reflect.Constructor.newInstance()`, or specially crafted class files to invoke an inner class's constructor with `null` as the immediately enclosing instance. This could lead to unexpected program failures. In JDK 25, `javac` inserts an additional null check on the immediately enclosing instance. This check occurs in the body of the inner class's constructor. Now there is no way to instantiate an inner class with `null` as the immediately enclosing instance.

JDK-8225763

Summary: `java.util.zip.Inflater` and `java.util.zip.Deflater` Enhanced To Implement `AutoCloseable`

Description: `java.util.zip.Inflater` and `java.util.zip.Deflater` now implement `AutoCloseable` and can be used with the try-with-resources statement. Applications could previously invoke the `end()` method to release the resources held by the `Inflater/Deflater` instance. Now, either the `end()` or the `close()` method can be invoked to do the same.

Issue ID

JDK-8241678

Summary: Removal of PerfData Sampling

Description: The periodic sampling functionality in PerfData has been removed, including the StatSampler and its controlling flag `-XX:PerfDataSamplingInterval`. For most garbage collectors, like in the G1 and ZGC collectors, it only recorded a timestamp. The following changes are implied: Heap usage counters in PerfData for the Serial and Parallel garbage collectors are now only updated after each garbage collection cycle. As a result, the Eden space usage counter (`sun.gc.generation.0.space.0.used`) will always show zero, since the space is empty after collection. Accurate values are still available through tools such as the Java Flight Recorder (JFR) and Java Management Extensions (JMX); The `sun.os.hrt.ticks` counter tracking time since JVM startup has been removed. This can instead be derived from `sun.rt.createVmBeginTime`; The `-XX:PerfDataSamplingInterval` flag has been made obsolete, and will be removed in a future release. This change only affects tools that read data directly from the PerfData file.

JDK-8254622

Summary: Hide Superclasses from Conditionally Exported Packages

Description: JavaDoc now treats classes and interfaces from packages that are not exported or exported by qualified `export` as hidden unless they are explicitly included in the documentation. Such classes and interfaces do not appear in the generated documentation, even if they are extended or implemented by a documented type. Other instances of hidden types are private or package-private types, or types marked with the `@hidden` JavaDoc tag.

Issue ID

JDK-8283795

Summary: Added TLSv1.3 and CNSA 1.0 Algorithms to Implementation Requirements

Description: TLSv1.3 and CNSA 1.0 algorithms have been added to the list of cryptographic requirements all Java SE implementations must support. All cryptographic algorithms that are needed to implement the TLSv1.3 cipher suites and signature mechanisms and that are defined by [RFC 8446](#) as MUST or SHOULD requirements have been added. All algorithms that are required by CNSA 1.0 have also been added. No required algorithms or protocols are being removed at this time.

JDK-8303770

Summary: Removed Baltimore CyberTrust Root Certificate After Expiry Date

Description: The following expired root certificate has been removed from the cacerts keystore: + alias name
baltimorecybertrustca [jdk], Distinguished Name:
CN=Baltimore CyberTrust Root, OU=CyberTrust,
O=Baltimore, C=IE.

JDK-8319447

Summary: Updates to ForkJoinPool and CompletableFuture

Description: `java.util.concurrent.ForkJoinPool` is updated in this release to implement `ScheduledExecutorService`. This API update can help the performance of delayed task handling in network and other applications where delayed tasks are used for timeout handling, and where most timeouts are cancelled. In addition to the `schedule` methods defined by `ScheduledExecutorService`, `ForkJoinPool` now defines a new method `submitWithTimeout` to submit a task that is cancelled (or some other action executed) if the timeout expires before the task completes. As part of the update, `CompletableFuture` and `SubmissionPublisher` are changed so that all async methods without an explicit `Executor` are performed using the `ForkJoinPool` common pool. This differs to previous releases where a new thread was created for each async task when the `ForkJoinPool` common pool was configured with parallelism less than 2.

Issue ID

JDK-8322810

Summary: The `javac` Compiler Should Not Accept a Lambda Expression Type to Be a Class

Description: Prior to JDK 25, the `javac` compiler was allowing the type of lambda expressions to be classes in some cases. Starting from JDK 25 the `javac` compiler will reject lambda expressions which type is a class.

JDK-8323807

Summary: Add a stalling mode to async UL

Description: Asynchronous UL depends on off-loading the work of logging to output devices by having log sites copying messages onto a buffer and an output thread swapping it with an empty buffer and emptying it. If the current buffer ran out of room, then any attempt at logging leads to the message being dropped, that is the message was not printed at all. A stalling mode to async UL was introduced where in no message dropping occurs and all log sites stall until there is sufficient room in the buffer for their respective message.

JDK-8327378

Summary: Corrected Error Handling for `XMLStreamReader`

Description: Fixed `XMLStreamReader`'s error handling where its `next()` method incorrectly threw `EOFException` instead of the documented `XMLStreamException` when encountering a premature end of file.

JDK-8328119

Summary: Support HKDF in `SunPKCS11`

Description: The `SunPKCS11` security provider now supports the following algorithms for the new Key Derivation Function API: HKDF-SHA256, HKDF-SHA384 and HKDF-SHA512. Please refer to [JDK-8344464](#) for further details.

Issue ID

JDK-8328919

Summary: New Methods on BodyHandlers and BodySubscribers to Limit the Number of Response Body Bytes Accepted by the HttpClient

Description: Two new methods `java.net.http.HttpResponse.BodyHandlers.limiting(BodyHandler downstreamHandler, long capacity)` and `java.net.http.HttpResponse.BodySubscribers.limiting(BodySubscriber downstreamSubscriber, long capacity)` are added to the HttpClient API. These methods extend an existing BodyHandler or BodySubscriber with the ability to limit the number of response body bytes that the application is willing to accept in response to an HTTP request. Upon reaching the limit when reading the response body, an `IOException` is raised and reported to the downstream subscriber. The subscription are cancelled. Any further response body bytes are discarded. This makes it possible for the application to control the maximum amount of bytes that it wants to accept from the server.

JDK-8334137

Summary: JavaFX Applications No Longer Need `--sun-misc-unsafe-memory-access=allow`

Description: It is no longer necessary to pass `--sun-misc-unsafe-memory-access=allow` to `java` on the command line when running JavaFX applications. The bug that formerly caused this option to be needed has been fixed.

JDK-8334581

Summary: Removal of No-Argument Constructor for `BasicSliderUI()`

Description: Several hundred classes in the `java.desktop` module used to rely on default constructors as part of their public API. Explicit constructors were added to these classes in JDK-8250852. As a result, a no-argument constructor, `BasicSliderUI()`, for the `BasicSliderUI` class was added in JDK 16. This missed that there already was a constructor `BasicSliderUI(JSlider b)`. Thus, there was no need for another constructor. The `BasicSliderUI()` constructor was deprecated in JDK 23 and is removed in JDK 25.

Issue ID

JDK-8338675

Summary: JAR Files on Classpath Are Never Modified by javac

Description: Under some conditions, `javac` could have modified jar or zip files places on the classpath, by writing classfile(s) to them. The specific conditions are as follows: no output directory specified (that is, no `-d` option), no `-sourcepath` specified, or the jar or zip file on the classpath contains source file(s), which are compiled implicitly. This is no longer the case. Classfiles will never be written to jar or zip files. Those that would be written into the jar or zip file will be placed to the current working directory. This mimics the JDK 8 behavior.

JDK-8340321

Summary: Disable SHA-1 in TLS/DTLS 1.2 handshake signatures

Description: The SHA-1 algorithm has been disabled by default in TLS/DTLS 1.2 handshake signatures, by adding `rsa_pkcs1_sha1 usage HandshakeSignature`, `ecdsa_sha1 usage HandshakeSignature`, `dsa_sha1 usage HandshakeSignature` to the `jdk.tls.disabledAlgorithms` security property in the `java.security` config file. RFC 9155 deprecates the use of SHA-1 in TLS & DTLS 1.2 digital signatures. Users can, at their own risk, re-enable the SHA-1 algorithm in TLS/DTLS 1.2 handshake signatures by removing `rsa_pkcs1_sha1 usage HandshakeSignature`, `ecdsa_sha1 usage HandshakeSignature`, `dsa_sha1 usage HandshakeSignature` from the `jdk.tls.disabledAlgorithms` security property.

JDK-8341346

Summary: Add Support for TLS Keying Material Exporters to JSSE and SunJSSE Provider

Description: This enhancement adds support for TLS (Transport Layer Security) Keying Material Exporters, which allow applications to generate additional application-level keying material from a connection's negotiated TLS keys. This change enables support for several additional protocols, including those labels registered in the [IANA TLS Parameters-Exporter Label](#) document. This functionality is described in [RFC 5705](#) for TLSv1-TLSv1.2, and [RFC 8446](#) for TLSv1.3.

Issue ID

JDK-8343110

Summary: New `getChars(int, int, char[], int)` Method in `CharSequence` and `CharBuffer`

Description: A new method, `getChars(int, int, char[], int)`, has been added to `java.lang.CharSequence` and `java.nio.CharBuffer` to bulk-read characters from a region of a `CharSequence` into a region of a `char[]`. `String`, `StringBuilder`, and `CharBuffer` implement `CharSequence`. Code that operates on a `CharSequence` should no longer need to special-case and cast to `String` when needing to bulk-read from a sequence. The new method may be more efficient than a loop over characters of the sequence.

JDK-8344137

Summary: Update XML Security for Java to 3.0.5

Description: The XML Signature implementation has been updated to Santuario 3.0.5. Support for four new SHA-3 based ECDSA `SignatureMethod` algorithms have been added: `SignatureMethod.ECDSA_SHA3_224`, `SignatureMethod.ECDSA_SHA3_256`, `SignatureMethod.ECDSA_SHA3_384`, and `SignatureMethod.ECDSA_SHA3_512`.

JDK-8345168

Summary: The 32-bit x86 Port Has Been Removed

Description: The 32-bit x86 port is removed in JDK 25, following the deprecation in JDK 24. The architecture-agnostic Zero port is the only remaining way to run Java programs on 32-bit x86 processors going forward. Systems that run on 32-bit x86 today need to either consider upgrading to 64-bit x86, or switch to 32-bit x86 Zero, or stay on previous JDKs.

Issue ID

JDK-8345213

Summary: Changes to the Default Time Zone Detection on Debian-based Linux

Description: On Debian-based Linux distributions such as Ubuntu, the `/etc/timezone` file was previously used to determine the JDK's default time zone (`TimeZone.getDefault()`). According to [Debian's Wiki](#), `/etc/localtime` is now the primary source for the system's default time zone, making `/etc/timezone` redundant. As a result, the JDK's default time zone detection logic has been updated to use `/etc/localtime` instead of `/etc/timezone`. If `/etc/localtime` and `/etc/timezone` are inconsistent for any reason, the JDK's default time zone is now determined solely based on `/etc/localtime` file.

JDK-8345259

Summary: `jlink --add-modules ALL-MODULE-PATH` Requires Explicit `--module-path` Argument

Description: Starting with JDK 24, the `jlink --add-modules ALL-MODULE-PATH` option will require users to set the module path via the `--module-path` option. Prior to JDK 24, using `--add-modules ALL-MODULE-PATH` without `--module-path` could be used to create an image with all JDK modules from `$JAVA_HOME/jmods`. In JDK 24, to create an image using `ALL-MODULE-PATH`, it is required to explicitly set `--module-path`. To create an image with all JDK modules, use `jlink --add-modules ALL-MODULE-PATH --module-path $JAVA_HOME/jmods` instead.

JDK-8345431

Summary: Enhanced `jar` File Validation

Description: The `jar --validate` command has been enhanced to identify and generate a warning message for the following: Duplicate entry names; Entry names, which contain a drive or device letter, contain a leading slash, contain backward slashes `\`, the entry name or any path element is `'.'` or `'..'`; inconsistencies in the ordering of entries between the LOC and CEN headers.

Issue ID

JDK-8345432

Summary: The Default Thread Pool Used for Asynchronous Channel Operations Now Uses Innocuous Threads

Description: The default thread pool for the system-wide default `AsynchronousChannelGroup` is changed to create threads that do not inherit anything from threads that initiate asynchronous I/O operations. Historically, threads in the default thread pool inherited the Thread Context ClassLoader (TCCL) and inheritable-`ThreadLocal`s` from the first thread to initiate an asynchronous I/O operation. The change in this release avoids potential memory leak and retention issues that arose when a TCCL or a thread local kept a large graph of objects reachable.

JDK-8346460

Summary: `NotifyFramePop` should return `JVMTI_ERROR_DUPLICATE`

Description: The JVM TI function `NotifyFramePop` returns `JVMTI_ERROR_DUPLICATE` in the case a `FramePop` event was already requested at the specified depth.

JDK-8346465

Summary: JDK Provided Instances of `ICC_Profile` Cannot Be Modified

Description: The desktop module provides the `ICC_Profile` class used in Color Management for image processing applications. Previously, an `ICC_Profile` instance would always allow an application to modify the raw color profile data which the `ICC_Profile` encapsulates. However, instances of this class provided by the desktop module itself are shared and should never be modified. JDK now enforces this restriction on these shared instances. As a result, application code which modifies a shared instance of `ICC_Profile` will cause an exception to be thrown.

Issue ID

JDK-8346587

Summary: Distrust TLS server certificates anchored by Camerfirma Root CAs

Description: The JDK will stop trusting TLS server certificates issued after April 15, 2025 and anchored by Camerfirma root certificates, in line with similar plans announced by Google, Mozilla, Apple, and Microsoft. TLS server certificates issued on or before April 15, 2025 will continue to be trusted until they expire. Certificates issued after that date will be rejected. The restrictions are enforced in the JDK implementation (the `SunJSSE Provider`) of the Java Secure Socket Extension (JSSE) API. A TLS session will not be negotiated if the server's certificate chain is anchored by any of the mentioned Certificate Authorities and the certificate has been issued after April 15, 2025. An application will receive an exception with a message indicating the trust anchor is not trusted. The JDK can be configured to trust these certificates again by removing 'CAMERFIRMA_TLS' from the `jdk.security.caDistrustPolicies` security property in the `java.security` configuration file. You can also use the `keytool` utility from the JDK to print out details of the certificate chain.

JDK-8346948

Summary: Update CLDR to Version 47.0

Description: The locale data based on the Unicode Consortium's CLDR has been upgraded to version 47. Besides the usual addition of new locale data and translation changes, there are notable changes from the upstream CLDR, affecting Date/Time/Number formatting: CLDR-9791: Add language for South Georgia and Bouvet Islands ([#4166](#)); CLDR-16821: Fix Australian time zone names ([#4301](#)); CLDR-17484: English day periods are wrong ([#4375](#)); CLDR-18099: Add European English locales with data ([#4276](#)), ([#4302](#)); CLDR-18268: Add timeData for GS ([#4319](#)). Note that locale data is subject to change in a future release of the CLDR.

Issue ID	
JDK-8347337	<p>Summary: ZGC Now Avoids String Deduplication for Short-Lived Strings</p> <p>Description: ZGC's String Deduplication feature has been updated to skip deduplication for young, short-lived strings. This change reduces unnecessary processing and can improve performance in applications that frequently allocate temporary strings.</p>
JDK-8347433	<p>Summary: Deprecate XML Interchange in JMX DescriptorSupport for Removal</p> <p>Description: The JMX class <code>javax.management.modelmbean.DescriptorSupport</code> represents MBean metadata. It has a constructor and a method providing creation from, and export to, XML. These are unused in the JDK and have no commonly known wider usage, and are deprecated for removal. The class <code>javax.management.modelmbean.XMLParseException</code>, which is only thrown by <code>DescriptorSupport</code>, is also deprecated for removal. This will have no impact on JMX features in general.</p>
JDK-8347472	<p>Summary: Correct Attribute traversal and writing for Code attributes</p> <p>Description: In the previous release, when a <code>java.lang.classfile.CodeModel</code> is traversed by a <code>forEach</code>, <code>CustomAttribute</code> and <code>UnknownAttribute</code> were not delivered. Now, they are delivered, bringing their delivery behavior in parity with <code>ClassModel</code>, <code>FieldModel</code>, and <code>MethodModel</code>. Users who traverse a <code>CodeModel</code> should review their handling of these two attributes when they are delivered as <code>CodeElement</code>. In particular, users using exhaustive pattern matching switches to handle <code>CodeElement</code> will encounter a compile error and must update their code.</p>

Issue ID

JDK-8347506

Summary: Compatible OCSP `readtimeout` property with OCSP timeout

Description: In JDK 21, an enhanced syntax for various timeout properties was released through JDK-8179502. This included a new system property, `com.sun.security.ocsp.readtimeout`, which allows users to control the timeout while reading OCSP responses after a successful TCP connection has been established. This changes the default posture of this property to be the value of the `com.sun.security.ocsp.timeout` system property from its original default of 15 seconds. If the `com.sun.security.ocsp.timeout` system property is also not set, then its default 15 second timeout is propagated to the default for `com.sun.security.ocsp.readtimeout`.

JDK-8347596

Summary: Update HSS/LMS public key encoding

Description: The X.509 encoded format for HSS/LMS public keys has been updated to align with the latest standard outlined in [RFC 9708](#). Notably, the additional OCTET STRING wrapping around the public key value has been removed. For compatibility, public key encodings generated by earlier JDK releases are still recognized.

JDK-8347946

Summary: Add API note that caller should validate/trust signers to the `getCertificates` and `getCodeSigners` methods of `JarEntry` and `JarURLConnection`

Description: An API note has been added to the `getCertificates()` method of the `java.util.jar.JarEntry` and `java.net.JarURLConnection` classes and the `getCodeSigners()` method of the `JarEntry` class recommending that the caller should perform further validation steps on the code signers that signed the JAR file, such as validating the code signer's certificate chain, and determining if the signer should be trusted. In addition, the `JarURLConnection.getCertificates()` method has been updated to specify the order of the returned array of certificates. It is the same order as specified by `java.util.jar.JarEntry.getCertificates()`.

Issue ID	
JDK-8347946	<p>Summary: Defined the Order of Certificates Returned by <code>JarURLConnection.getCertificates()</code></p> <p>Description: The order of the returned array of certificates has been added to the specification of the <code>java.net.JarURLConnection.getCertificates()</code> method. It is the same order as specified by <code>java.util.jar.JarEntry.getCertificates()</code>.</p>
JDK-8347965	<p>Summary: Update Timezone Data to 2025a</p> <p>Description: This release of JDK upgrades the in-tree copy of the IANA timezone database to 2025a. The following are the key changes of this update: Paraguay adopts permanent -03 starting spring 2024; Improve pre-1991 data for the Philippines; Etc/Unknown is now reserved.</p>
JDK-8348282	<p>Summary: Add option for syntax highlighting in javadoc snippets</p> <p>Description: JavaDoc provides a new <code>--syntax-highlight</code> option to enable syntax highlighting in <code>{@snippet}</code> tags and <code><pre><code></code> HTML elements. The option takes no arguments and adds the [Highlight.js] library to the generated documentation in a configuration that supports Java, Properties, JSON, HTML and XML code fragments.</p>

Issue ID

JDK-8348732

Summary: Removal of SunPKCS11 Provider's PBE-related SecretKeyFactory Implementations

Description: Starting with JDK 21, the SunPKCS11 provider added several password-based SecretKeyFactory implementations, such as: SecretKeyFactory.PBEWithHmac[MD]AndAES_128, SecretKeyFactory.PBEWithHmac[MD]AndAES_256, SecretKeyFactory.HmacPBE[MD], where [MD] is one of the SHA1, SHA224, SHA256, SHA384, and SHA512 algorithms. However, the key objects produced by these implementations use the PBKDF2-derived values as key encodings. This is different than the SunJCE counterparts which use the password bytes as key encodings. These differences can be very confusing and may cause interoperability issues since both keys have the same algorithm and format, but different encodings. Thus, for consistency sake, these SunPKCS11 password-based SecretKeyFactory implementations have been removed.

JDK-8348732

Summary: SunJCE and SunPKCS11 have different PBE key encodings

Description: The password-based SecretKeyFactory implementations from the SunJCE provider used to reject non-ASCII passwords. They have been enhanced to use UTF-8 and thus allow Unicode characters to be used as passwords.

Issue ID

JDK-8348829

Summary: Remove ObjectMonitor perf counters

Description: This release removes old object monitor performance counters, exposed in the `sun.rt._sync*` namespace. These counters were rarely used, and they contributed to performance problems in related VM code. Users who want to track monitor performance are advised to use related JFR events instead. The suggested replacements are: `_sync_ContendedLockAttempts`: `JavaMonitorEnter` JFR event, `_sync_FutileWakeups`: no replacement, `_sync_Parks`: `JavaMonitorWait` JFR event, `_sync_Notifications`: `JavaMonitorNotify` JFR event, `_sync_Inflations`: `JavaMonitorInflate` JFR event, `_sync_Deflations`: `JavaMonitorDeflate` JFR event, `_sync_MonExtant`: `JavaMonitorStatistics` JFR event.

Issue ID

JDK-8348967

Summary: Deprecate security permission classes for removal

Description: The following permission classes have been deprecated for removal:

`java.security.UnresolvedPermission,`
`javax.net.ssl.SSLPermission,`
`javax.security.auth.AuthPermission,`
`javax.security.auth.PrivateCredentialPermission,`
`javax.security.auth.kerberos.DelegationPermission,`
`javax.security.auth.kerberos.ServicePermission,`
`com.sun.security.jgss.InquireSecContextPermission,`
`java.lang.RuntimePermission,`
`java.lang.reflect.ReflectPermission,`
`java.io.FilePermission,`
`java.io.SerializablePermission,`
`java.nio.file.LinkPermission,`
`java.util.logging.LoggingPermission,`
`java.util.PropertyPermission,`
`jdk.jfr.FlightRecorderPermission,`
`java.net.NetPermission,``java.net.URLPermission,`
`jdk.net.NetworkPermission,`
`com.sun.tools.attach.AttachPermission,`
`com.sun.jdi.JDIPermission,`
`java.lang.management.ManagementPermission,`
`javax.management.MBeanPermission,`
`javax.management.MBeanTrustPermission,`
`javax.management.MBeanServerPermission,`
`javax.management.remote.SubjectDelegationPermission.`
In addition, the `getPermission` method in
`java.net.URLConnection` and its subclass
`java.net.HttpURLConnection` is deprecated for removal.

Issue ID

JDK-8349583

Summary: Add mechanism to disable signature schemes based on their TLS scope

Description: TLS protocol specific usage constraints are now supported by the `jdk.tls.disabledAlgorithms` property in the `java.security` configuration file. `HandshakeSignature` restricts the use of the algorithm in TLS handshake signatures. `CertificateSignature` restricts the use of the algorithm in certificate signatures. An algorithm with this constraint cannot include other usage types defined in the `jdk.certpath.disabledAlgorithms` property. The usage type follows the keyword and more than one usage type can be specified with a whitespace delimiter.

JDK-8350279

Summary: HttpClient: Add a new `HttpResponse` method to identify connections

Description: A new `connectionLabel` method has been added to `java.net.http.HttpResponse`. This new method returns an opaque connection label that callers can leverage to associate a response with the connection it is carried on. This is useful to determine whether two requests were carried on the same connection or on different connections.

JDK-8350441

Summary: ZGC: Enhanced Methods for Dealing With Fragmentation

Description: ZGC has been improved to better deal with virtual address space fragmentation. This is especially impactful for programs with a large heap, where virtual address space fragmentation could be a noticeable issue. ZGC no longer reports inflated RSS-usage of the Java heap. This comes as a consequence of removing asynchronous unmapping, which was the last usage of multi-mapped memory.

Issue ID

JDK-8350457

Summary: Implement JEP 519: Compact Object Headers

Description: The flag `-XX:+/-UseCompactObjectHeaders` is now a product option. This allows users to enable compact object headers without the use of the `-XX:+UnlockExperimentalVMOptions` flag. Compact object headers are a feature introduced in JDK 24 under JEP 450. Enabling this feature reduces the Java heap footprint of applications and potentially provides performance benefits. The feature remains disabled by default in this release but may become the default in a future release. To support use of compact object headers, two additional CDS archives for the JDK image called `classes_coh.jsa` and `classes_nocoops_coh.jsa` are provided to allow equivalent startup performance when `UseCompactObjectHeaders` is turned on.

JDK-8350459

Summary: MontgomeryIntegerPolynomialP256 multiply intrinsic with AVX2 on x86_64

Description: This feature delivers optimized intrinsics using AVX2 instructions on x86_64 platforms for the P256 Elliptic Curve field operations in the SunEC provider. This optimization is enabled by default on supporting x86_64 platforms and when the AVX512 intrinsic cannot be used. It may be disabled by providing the `-XX:+UnlockDiagnosticVMOptions -XX:-UseIntPolyIntrinsics` command-line options.

JDK-8350498

Summary: Remove two Camerfirma root CA certificates

Description: The following root certificates, which are terminated and no longer in use, have been removed from the `cacerts` keystore: + alias name 'camerfirmachamberscommerceca [jdk]', Distinguished Name: CN=Chambers of Commerce Root, OU=<http://www.chambersign.org>, O=AC Camerfirma SA CIF A82743287, C=EU; + alias name 'camerfirmachamberssignca [jdk]', Distinguished Name: CN=Global Chambersign Root - 2008, O=AC Camerfirma S.A., SERIALNUMBER=A82743287, L=Madrid (see current address at www.camerfirma.com/address), C=EU.

Issue ID

JDK-8350582

Summary: Correct the parsing of the `ssl` value in `javax.net.debug`

Description: The logging behavior of the TLS `javax.net.debug` system property has been updated in this release. The `javax.net.debug` system property is used for producing TLS debug logs from the default JSSE provider. This JDK release contains a fix for the `ssl` value. With the `-Djavax.net.debug=ssl` setting, all SSL debug logs except for those in the `data`, `packet`, or `plaintext` subcomponents are now logged. Applications using this setting can expect to see much more verbose output logged.

JDK-8350646

Summary: `Calendar.Builder.build()` Throws `ArrayIndexOutOfBoundsException`

Description: Calling `Calendar.computeTime()` with a Japanese Imperial Calendar for a `Calendar.ERA` field value that is too large now throws `IllegalArgumentException` instead of `ArrayIndexOutOfBoundsException`. Thus, any operations requiring time recomputation for a Japanese Imperial Calendar are now affected. For example, at the time of this release note, new `Calendar.Builder().setCalendarType('japanese').set(Calendar.ERA, 6).build()` now throws `IllegalArgumentException`.

Issue ID

JDK-8350689

Summary: Turn on timestamp and thread metadata by default for `java.security.debug`

Description: The debug output from the `java.security.debug` system property now includes thread id, caller information, and timestamp information. Each debug output statement generated with the `java.security.debug` option is now formatted as: `componentValue[threadId|threadName|sourceCodeLocation|timestamp]: <debug statement>`, where: `componentValue` is the security component value being logged; `threadId` is the hexadecimal value of the thread ID; `threadName` is the name of the thread executing the log statement; `sourceCodeLocation` is the source file and line number making this log call, in the format 'filename:lineNumber'; `timestamp` is the date and time in the format 'yyyy-MM-dd kk:mm:ss.SSS'; `debug statement` corresponds to the debug output from the security component. The `+thread` and `+timestamp` options introduced in JDK 23 will no longer have an impact and are ignored.

Issue ID

JDK-8350753

Summary: Deprecate UseCompressedClassPointers

Description: The option `UseCompressedClassPointers` is deprecated in Java SE 25 and will be removed in a future Java version. This option was used to switch between two modes: the compressed class pointer mode and the uncompressed class pointer mode. The uncompressed class pointer mode will be removed in a future version of Java. Since that only leaves the default compressed class pointer mode, the switch will also be removed. The default compressed class pointer mode causes the JVM to place classes into the class space. The class space is limited by default to 1GB and can hold up to about 1.5 million classes. In the rare case that an application must load more than that, the class space can be extended up to 4 GB with `-XX:CompressedClassSpaceSize`. That increases the number of classes the class space can hold to approximately 6 million classes. These numbers are extremely high. It is rare even for a huge Java application to load more than 100,000 classes. If your application loads significantly more classes than that, it is very likely a class loader leak. If your application specifies `-XX:+UseCompressedClassPointers` or `-XX:-UseCompressedClassPointers`, remove those options. Should the application exhaust the class space, you may want to examine for a class loader leak. If it is not a leak, increase the class space to 4GB using `-XX:CompressedClassSpaceSize=4g`.

JDK-8350880

Summary: Add support for read-only zip file systems

Description: The ZIP file system provider is updated to allow a ZIP file system be created as a read-only or read-write file system. When creating a ZIP file system, the property name `accessMode` can be used with a value of `readOnly` or `readWrite` to specify the desired mode. If the property is not provided then the file system is created as a read-write file system if possible. The following example creates a read-only file system: `FileSystem zipfs = FileSystems.newFileSystem(pathToZipFile, Map.of('accessMode', 'readOnly'));`

Issue ID	
JDK-8351034	<p>Summary: ML-DSA Performance Improved</p> <p>Description: The performance of the ML-DSA key generation, sign, and verify operations has been improved significantly, 1.5 - 2.5 times depending on operation type and input, on the aarch64 and AVX-512 platforms.</p>
JDK-8351412	<p>Summary: ML-KEM Performance Improved</p> <p>Description: The performance of the ML-KEM key generation, encapsulation, and decapsulation operations has been improved significantly, 1.9 - 2.7 times depending on operation type and platform, on the aarch64 and AVX-512 platforms.</p>
JDK-8351435	<p>Summary: Change the default Console implementation back to the built-in one in <code>java.base</code> module</p> <p>Description: The default Console obtained via <code>System.console()</code> is no longer based on <code>JLine</code>. Since JDK 20, the JDK has included a <code>JLine</code>-based Console implementation, offering a richer user experience and better support for virtual terminal environments, such as IDEs. This implementation was initially opt-in via a system property in JDK 20 and JDK 21 and became the default in JDK 22. However, maintaining the <code>JLine</code>-based Console proved challenging. As a result, in JDK 25, it has reverted to being opt-in, as it was in JDK 20 and JDK 21.</p>

Issue ID

JDK-8351594

Summary: JFR: Rate-limited sampling of Java events

Description: Previously, the events `jdk.SocketRead`, `jdk.SocketWrite`, `jdk.FileRead`, and `jdk.FileWrite` were recorded if the duration exceeded 20 ms in the default configuration (`default.jfc`). The threshold has been lowered to 1 ms. To prevent a high volume of events, a rate limit of 100 events per second is imposed on these events. To restore the previous behavior, you can set the throttle setting to 'off' and the threshold to '20 ms'. For example:

```
-XX:StartFlightRecording:jdk.SocketRead#threshold=20ms, jdk.SocketRead#throttle=off. The jdk.JavaExceptionThrow event was previously disabled by default, but is now enabled by default with a rate limit of 100 events per second. To disable this event, use: -XX:StartFlightRecording:jdk.JavaExceptionThrow#enabled=false.
```

JDK-8351654

Summary: Agent transformer bytecodes should be verified

Description: When providing a class with JVMTI `ClassFileLoadHook`, the new bytecodes are verified with the Class File Verifier even if they are provided on the bootclass path, and regardless of the setting of the deprecated `-Xverify` option.

Issue ID

JDK-8352612

Summary: The `-Xlint:none` Compiler Flag No Longer Implies `-nowarn`

Description: The `-Xlint` command line flag for `javac` is used to enable or disable categories of lint warnings generated during compilation. For example, `-Xlint:all,-serial` enables all lint categories and then disables the `serial` category, while the converse `-Xlint:none,serial` disables all lint categories and then enables the `serial` category. For historical reasons, the appearance of `-Xlint:none` also had the invisible side effect of disabling *all* non-mandatory warnings, exactly as if the flag `-nowarn` had also been given. As a result, the effect of a flag like `-Xlint:none,serial` was to simply disable all non-mandatory warnings; in particular, no warnings in the `serial` category would be generated. This invisible side-effect has been eliminated. Now `-Xlint:none` simply disables all lint categories, and a flag like `-Xlint:none,serial` will allow `serial` warnings to appear as expected.

JDK-8352716

Summary: Update Timezone Data to 2025b

Description: This release of JDK upgrades the in-tree copy of the [IANA timezone database](#) to 2025b. For more information, see [IANA TZ Data update](#)

JDK-8353118

Summary: Deprecate the use of `java.locale.useOldISOCodes` system property

Description: The `java.locale.useOldISOCodes` system property has been deprecated. Introduced in JDK 17, it allowed users to revert to the legacy ISO 639 language codes for Hebrew, Indonesian, and Yiddish. Since its purpose was to facilitate a transition to the updated codes, we believe it is now time to retire it. In JDK 25, setting this property to `true` has no effect, and a warning about its future removal is displayed at runtime.

Issue ID

JDK-8353440

Summary: Disable FTP fallback for non-local file URLs by default

Description: The unspecified, but long-standing, fallback to FTP connections for non-local file URLs is disabled by default. The method `URL::openConnection` called for non-local file URLs of the form `/path`, where `server` is anything but `localhost`, no longer falls back to FTP and no longer returns an FTP URL Connection. A `MalformedURLException` is now thrown by the `URL::openConnection` method instead in such cases. Code expecting the `URL::openConnection` to succeed, but expecting a delayed exception to be raised when actually using the connection, such as catching an `UnknownHostException` while reading streams, may need to be updated to handle the immediate rejection via `MalformedURLException` instead. The legacy FTP fallback behavior can be re-enabled by setting the system property `-Djdk.net.file.ftpfallback=true` on the java command line. Support for resolving non-local, existing UNC paths on Windows is not affected by this change.

Issue ID

JDK-8354084

Summary: Streamline XPath API's extension function control

Description: Restrictions on extension functions has been removed in the XPath API, specifically those imposed by [FEATURE_SECURE_PROCESSING \(FSP\)](#) and the `jdk.xml.enableExtensionFunctions` property. Previously, for extension functions to work, even with a user-defined [XPathFunctionResolver](#), FSP had to be set to `false` and `jdk.xml.enableExtensionFunctions` to `true`. For example, an XPath created via the following factory would fail with an `XPathExpressionException` when encountering an Extension Function: `XPathFactory xpf = XPathFactory.newInstance(); xpf.setFeature(XMLConstants.FEATURE_SECURE_PROCESSING, true);`. With this change, extension functions now work solely based on the presence of a properly registered [XPathFunctionResolver](#), making extension straightforward: `XPathFactory xpf = XPathFactory.newInstance(); xpf.setXPathFunctionResolver(new MyXPathFunctionResolver());`. The default value of FSP has also been changed from `false` to `true`. This update has no effect on standard XPath behavior.

JDK-8354276

Summary: Strict HTTP header validation

Description: The `java.net.http.HttpClient` will now reject HTTP/2 responses that contain header fields prohibited by the HTTP/2 specification (RFC 9113). This is an implementation detail that should be transparent to the users of the `HttpClient` API, but could result in failed requests if connecting to a non-conformant HTTP/2 server. The headers that are now rejected in HTTP/2 responses include: connection-specific header fields (`Connection`, `Proxy-Connection`, `Keep-Alive`, `Transfer-Encoding`, and `Upgrade`) and request pseudo-header fields (`:method`, `:authority`, `:path`, and `:scheme`).

Issue ID

JDK-8354305

Summary: SHAKE128 and SHAKE256 MessageDigest algorithms

Description: Two new `MessageDigest` algorithms, SHAKE128-256 and SHAKE256-512, have been added to the SUN provider. These are fixed-length versions of the SHAKE128 and SHAKE256 Extendable-Output Functions (XOFs) defined in NIST FIPS 202. For more information, see [the SUN Provider](#).

JDK-8354450

Summary: A File should be invalid if an element of its name sequence ends with a space

Description: File operations on a path with a trailing space in a directory or file name, such as `C:\\SomeFolder\\SomeFile`, now fail consistently on Windows. For example, `File::mkdir` will return `false`, or `File::createNewFile` will throw `IOException` if an element in the path has a trailing space. Such pathnames are not legal on Windows. Prior to JDK 25, operations on a `File` created from such an illegal abstract pathname could appear to succeed when in fact they did not.

JDK-8354724

Summary: Methods in `java.io.Reader` to read all characters and all lines

Description: New methods have been added to the `java.io.Reader` class to read all remaining characters. The new method `Reader.readAllAsString()` reads all remaining characters into a `String`. The new method `Reader.readAllLines()` reads all remaining characters as lines of text represented as a `List<String>`. These methods are intended for simple cases where it is appropriate to read all remaining content.

Issue ID

JDK-8354908

Summary: javac mishandles supplementary character in character literal

Description: In the Java source code, character literals can only contain a single UTF-16 character. The `javac` compiler was incorrectly accepting character literals consisting of two UTF-16 surrogate characters, only using the first surrogate, and ignoring the second surrogate. This has now been corrected, and `javac` will produce a compile-time error when it detects a character literal which consists of two UTF-16 surrogate characters.

JDK-8355360

Summary: `-d` option of `jwebserver` command should accept relative paths

Description: The `jwebserver` tool is updated to allow the `-d` and `--directory` command line options, configuring the directory to serve, to accept a directory specified with a relative path. This is made available both when `jwebserver` is invoked as an executable: `jwebserver --directory some/relative/path`; and as a module: `java --module jdk.httpserver --directory some/relative/path`. As earlier, `-d` and `--directory` command line options also still support absolute paths.

Issue ID

JDK-8355954

Summary: `File.delete` removes read-only files (win)

Description: `File.delete` is changed on Windows so that it now fails and returns `false` for regular files when the DOS read-only attribute is set. Prior to JDK 25, `File.delete` deleted read-only files by removing this DOS attribute before attempting to delete. As removing the attribute and deleting the file do not comprise a single atomic operation, this could result in the file still existing but with modified attributes if the deletion were to fail. Applications that depend on long standing behavior should be changed to clear the file attributes prior to deletion. As part of the change, a system property has been introduced to restore long standing behavior. Running with `-Djdk.io.File.allowDeleteReadOnlyFiles=true` will restore old behavior so that `File.delete` removes the DOS read-only attribute before attempting to delete the file.

JDK-8356154

Summary: Respecify `java.net.Socket` constructors that allow creating UDP sockets to throw `IllegalArgumentException`

Description: The two deprecated `java.net.Socket` constructors that accept the `stream` parameter have been updated to throw an `IllegalArgumentException` if `stream` is `false`. These constructors can no longer be used to create datagram sockets. Instead use `java.net.DatagramSocket` for datagram sockets. These two constructors will be removed in a future release.

Issue ID

JDK-8356698

Summary: JFR: @Contextual

Description: A new annotation, `jdk.jfr.Contextual`, has been introduced to mark fields in custom JFR events that contain contextual information relevant to other events occurring in the same thread. For example, fields in a user-defined HTTP request event can be annotated with `@Contextual` to associate its URL and trace ID with events that occur during its execution, such as a `jdk.JavaMonitorEnter` event due to a contended logger. Tools can now pair higher-level information, such as span and trace IDs, with lower-level events. The `print` command of the `jfr` tool, included in the JDK, displays this contextual information alongside JVM and JDK events, for example, in events for lock contention, I/O, or exceptions that occur during a trace span or an HTTP request event.

JDK-8356848

Summary: Separate Metaspace and GC printing

Description: Most information about Metaspace that was previously printed by the Garbage Collector (GC) is now available in Metaspace-specific logging. To get information about Metaspace that was formerly part of the `GC.heap_info` jcmd, use the existing `VM.metaspace` jcmd instead.

Issue ID

JDK-8356870

Summary: HotSpotDiagnosticMXBean.dumpThreads and jcmd Thread.dump_to_file updates

Description: The thread dump generated by the `com.sun.management.HotSpotDiagnosticMXBean.dumpThreads` API and the diagnostic command `jcmd <pid> Thread.dump_to_file` now includes lock information. The `HotSpotDiagnosticMXBean.dumpThreads` API is also updated to link to a JSON schema that describes the JSON format thread dump. The JSON format thread dump is intended to be read and processed by diagnostic tools. Unlike the traditional thread dump generated by `jstack` and `jcmd <pid> Thread.print`, the thread dump generated by the `HotSpotDiagnosticMXBean.dumpThreads` and `jcmd <pid> Thread.dump_to_file` does not print information about deadlocks in this release.

JDK-8359387

Summary: Bump minimum JDK version for JavaFX to JDK 23

Description: JavaFX 25 is compiled with `--release 23` and thus requires JDK 23 or later in order to run. If you attempt to run with an older JDK, the Java launcher will exit with an error message indicating that the `javafx.base` module cannot be read.

JDK-8359396

Summary: JavaFX Requires GTK 3.20 or Later on Linux

Description: On Linux platforms, JavaFX requires GTK3 version 3.20 or later. An exception will be thrown when initializing the JavaFX runtime if the GTK 3 library cannot be loaded or is older than 3.20.

Discontinued OS support

Note that Liberica JDK 25 is not available for and cannot be run on the following operating systems:

- Windows x86 (32-bit)
- macOS 10.x

IANA TZ Data update

This release of Liberica JDK 25 upgrades the in-tree copy of the [IANA timezone database](#) to 2025b. The following are the key changes of this update:

Future Timestamps:

New Time Zone:

A new time zone, America/Coyhaique, is created for Chile's Aysén Region, which will now observe UTC−03 year-round (no daylight saving time).

- This diverges from America/Santiago starting March 20, 2025.
- Aysén will not change clocks on April 5, 2025.
- This aligns Aysén with Magallanes Region.

Past Timestamps:

Iran Time Change Correction:

Iran changed from UTC+04 to UTC+03:30 on November 10, 1978, not at the end of the year as previously recorded.

Code Fixes:

Improved behavior for the zic tool:

- It no longer creates invalid symlinks when using -l with multiple arguments.
- A buffer underflow issue is resolved.

For more information, see [JDK-8352716](#).

3. Known Issues

This release does not contain any known issues.

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-4466930	JTable.selectAll boundary handling
JDK-4745837	Make grouping usage during parsing apparent in relevant NumberFormat methods
JDK-5043343	FileImageInputStream and FileImageOutputStream do not properly track streamPos for RandomAccessFile
JDK-5061061	SimpleDateFormat: unspecified behavior for reserved pattern letter
JDK-6562489	Font-Renderer should ignore invisible characters \u2062 and \u2063
JDK-6899304	java.awt.Toolkit.getScreenInsets(GraphicsConfiguration) returns incorrect values
JDK-7046003	Default value of Authenticator.getRequestingURL() is not specified
JDK-8024695	new File("").exists() returns false whereas it is the current working directory

Issue ID	Summary
JDK-8066583	DeflaterInput/OutputStream and InflaterInput/OutputStream should explain responsibility for freeing resources
JDK-8138614	(spec str) StringBuffer and StringBuilder methods improperly require "new" String to be returned
JDK-8139228	JFileChooser renders file names as HTML document
JDK-8150442	Enforce Supported Platforms in Packager for MSI bundles
JDK-8160327	Support for thumbnails present in APP1 marker for JPEG
JDK-8164714	Constructor.newInstance creates instance of inner class with null outer class
JDK-8166983	Remove old/legacy unused tzdata files
JDK-8171508	Remove -Dsun.java.launcher.is_altjvm option
JDK-8174840	Elements.overrides does not check the return type of the methods
JDK-8175709	DateTimeFormatterBuilder.appendZoneId() has misleading JavaDoc
JDK-8183348	Better cleanup for jdk/test/sun/security/pkcs12/P12SecretKey.java
JDK-8184352	Remove Sun provider information from KeyPairGenerator javadoc

Issue ID	Summary
JDK-8187520	Add --disable-java-warnings-as-errors configure option
JDK-8189441	Define algorithm names for keys derived from KeyAgreement
JDK-8192647	GClocker induced GCs can starve threads requiring memory leading to OOME
JDK-8196896	Use SYSROOT_CFLAGS in dtrace gensrc
JDK-8204868	java/util/zip/ZipFile/TestCleaner.java still fails with "cleaner failed to clean zipfile."
JDK-8205051	Poor Performance with UseNUMA when cpu and memory nodes are misaligned
JDK-8208377	Soft hyphens render if not using TextLayout
JDK-8211851	(ch) java/nio/channels/AsynchronousSocketChannel/StressLoopback.java times out (aix)
JDK-8216437	PPC64: Add intrinsic for GHASH algorithm
JDK-8217914	java/net/httpclient/ConnectTimeoutHandshake Sync.java failed on connection refused while doing POST
JDK-8219408	Tests should handle \${} in the view of jtreg "smart action"
JDK-8225763	Inflater and Deflater should implement AutoCloseable

Issue ID	Summary
JDK-8228773	URLClassLoader constructors should include API note warning that the parent should not be null
JDK-8229012	When single stepping, the debug agent can cause the thread to remain in interpreter mode after single stepping completes
JDK-8230016	re-visit test sun/security/pkcs11/Serialize/SerializeProvider.java
JDK-8241678	Remove PerfData sampling via StatSampler
JDK-8244533	Configure should abort on missing short names in Windows
JDK-8249825	Tests sun/security/ssl/SSLSocketImpl/SetClientMode.java and NonAutoClose.java marked with @ignore
JDK-8249831	Test sun/security/mscapi/nonUniqueAliases/NonUniqueAliases.java is marked with @ignore
JDK-8254622	Hide superclasses from conditionally exported packages
JDK-8258229	Crash in nmethod::reloc_string_for
JDK-8259540	MissingResourceException for key cvc-complex-type.2.4.d.1

Issue ID	Summary
JDK-8267068	Incomplete @throws javadoc for various javax.crypto.spec classes
JDK-8268145	[macos] Rendering artifacts is seen when text inside the JTable with TableCellEditor having JTextfield
JDK-8268611	jar --validate should check targeted classes in MR-JAR files
JDK-8270265	LineBreakMeasurer calculates incorrect line breaks with zero-width characters
JDK-8271870	G1: Add objArray splitting when scanning object with evacuation failure
JDK-8271871	G1 does not try to deduplicate objects that failed evacuation
JDK-8276995	Bug in jdk.jfr.event.gc.collection.TestSystemGC
JDK-8277424	javax/net/ssl/TLSCommon/TLSSTest.java fails with connection refused
JDK-8280682	Refactor AOT code source validation checks
JDK-8280818	Expand bug8033699.java to iterate over all LaFs
JDK-8280991	[XWayland] No displayChanged event after setDisplayMode call
JDK-8281511	java/net/ipv6tests/UdpTest.java fails with checkTime failed

Issue ID	Summary
JDK-8282053	IGV: refine schedule approximation
JDK-8282493	Add --with-jcov-modules convenience option
JDK-8282862	AwtWindow::SetIconData leaks old icon handles if an exception is detected
JDK-8283795	Add TLSv1.3 and CNSA 1.0 algorithms to implementation requirements
JDK-8285624	jpackage fails to create exe, msi when Windows OS is in FIPS mode
JDK-8285692	Enable _FORTIFY_SOURCE=2 when building with Clang
JDK-8285888	Clarify that java.net.http.HttpClient do NOT support Digest authentication
JDK-8286204	[Accessibility,macOS,VoiceOver] VoiceOver reads the spinner value 10 as 1 when user iterates to 10 for the first time on macOS
JDK-8287122	Use gcc12 -ftrivial-auto-var-init=pattern in debug builds
JDK-8287749	Re-enable javadoc -serialwarn option
JDK-8287788	Implement a better allocator for downcalls
JDK-8288471	java/awt/ScrollPane/bug8077409Test.java is unstable and fails intermittently in CI

Issue ID	Summary
JDK-8290043	serviceability/attach/ConcAttachTest.java failed "guarantee(!CheckJNICalls) failed: Attached JNI thread exited without being detached"
JDK-8291027	Some of TimeZone methods marked 'synchronized' unnecessarily
JDK-8292944	Noisy output when running make help the first time
JDK-8293123	Fix various include file ordering
JDK-8294155	Exception thrown before awaitAndCheck hangs PassFailJFrame
JDK-8294954	Remove superfluous ResourceMarks when using LogStream
JDK-8295651	JFR: 'jfr scrub' should summarize what was removed
JDK-8297271	AccessFlag.maskToAccessFlags should be specific to class file version
JDK-8297531	sun/security/krb5/MicroTime.java fails with "Exception: What? only 100 musec precision?"
JDK-8297727	Forcing LF interpretation lead to StackOverflowError in reflection code
JDK-8298420	Implement JEP 470: PEM Encodings of Cryptographic Objects (Preview)
JDK-8298733	Reconsider monitors_on_stack assert

Issue ID	Summary
JDK-8298783	java/lang/ref/FinalizerHistogramTest.java failed with "RuntimeException: MyObject is not found in test output"
JDK-8299504	Resolve uses and provides at run time if the service is optional and missing
JDK-8299934	LocalExecutionControl replaces default uncaught exception handler
JDK-8300339	Run jtreg in the work dir
JDK-8300708	Some nsk jvmti tests fail with virtual thread wrapper due to jvmti missing some virtual thread support
JDK-8301197	Make sure use of printf is correct and actually needed
JDK-8301875	java.util.TimeZone.getSystemTimeZoneID uses C library default file mode
JDK-8301971	Make JDK source code UTF-8
JDK-8302293	jar --create fails with IllegalArgumentException if archive name is shorter than 3 characters
JDK-8302459	Missing late inline cleanup causes compiler/vectorapi/VectorLogicalOpIdentityTest.java IR failure
JDK-8303770	Remove Baltimore root certificate expiring in May 2025

Issue ID	Summary
JDK-8303884	jlink --add-options plugin does not allow GNU style options to be provided
JDK-8304065	HttpServer.stop should terminate immediately if no exchanges are in progress
JDK-8304674	File java.c compile error with -fsanitize=address -O0
JDK-8305010	Test vmTestbase/nsk/jvmti/scenarios/sampling/SP05/sp05t003/TestDescription.java timed out: thread not suspended
JDK-8305186	Reference.waitForReferenceProcessing should be more accessible to tests
JDK-8306579	Consider building with /Zc:throwingNew
JDK-8307513	C2: intrinsify Math.max(long,long) and Math.min(long,long)
JDK-8308854	G1 archive region allocation may expand/shrink the heap above/below -Xms
JDK-8310003	Improve logging when default truststore is inaccessible
JDK-8310310	Migrate CreateSymbols tool in make/langtools to Classfile API
JDK-8310340	assert(_thread→is_interp_only_mode() stub_caller) failed: expected a stub-caller

Issue ID	Summary
JDK-8310691	[REDO] [vectorapi] Refactor VectorShuffle implementation
JDK-8311227	Add .editorconfig
JDK-8311542	Consolidate the native stack printing code
JDK-8312198	[macos] metal pipeline - window rendering stops after display sleep
JDK-8313396	Portable implementation of FORBID_C_FUNCTION and ALLOW_C_FUNCTION
JDK-8314840	3 gc/epsilon tests ignore external vm options
JDK-8314999	IR framework fails to detect allocation
JDK-8315113	Print request Chromaticity.MONOCHROME attribute does not work on macOS
JDK-8315130	java.lang.IllegalAccessError when processing classlist to create CDS archive
JDK-8315131	Clarify VarHandle set/get access on 32-bit platforms
JDK-8315447	Invalid Type Annotation attached to a method instead of a lambda
JDK-8315488	Remove outdated and unused ciReplay support from SA
JDK-8315719	Adapt AOTClassLinking test case for dynamic CDS archive

Issue ID	Summary
JDK-8315844	\$LSB_RELEASE is not defined before use
JDK-8316397	StackTrace/Suspended/GetStackTraceSuspendedStressTest.java failed with: SingleStep event is NOT expected
JDK-8316682	serviceability/jvmti/vthread/SelfSuspendDisablerTest timed out
JDK-8317012	Explicitly check for 32-bit word size for using libatomic with zero
JDK-8317976	Optimize SIMD sort for AMD Zen 4
JDK-8318098	Update jfr tests to replace keyword jfr with vm.flagless
JDK-8318220	RISC-V: C2 Reversel
JDK-8318221	RISC-V: C2 ReverseL
JDK-8318577	Windows Look-and-Feel JProgressBarUI does not render correctly on 2x UI scale
JDK-8318730	MonitorVmStartTerminate.java still times out after JDK-8209595
JDK-8319055	JCMD should not buffer the whole output of commands
JDK-8319192	Remove javax.swing.plaf.synth.SynthLookAndFeel.load(URL url)
JDK-8319447	Improve performance of delayed task handling

Issue ID	Summary
JDK-8319850	PrintInlining should print which methods are late inlines
JDK-8319875	Add macOS implementation for jcmd System.map
JDK-8320189	vmTestbase/nsk/jvmti/scenarios/bcinstr/BI02/bi02t001 memory corruption when using -Xcheckjni
JDK-8320220	Compilation of cyclic hierarchy causes infinite recursion
JDK-8320909	C2: Adapt IGVN's enqueueing logic to match idealization of AndNode with LShift operand
JDK-8320997	RISC-V: C2 ReverseV
JDK-8321003	RISC-V: C2 MulReductionVI
JDK-8321004	RISC-V: C2 MulReductionVL
JDK-8321413	IllegalArgumentException: Code length outside the allowed range while creating a jlink image
JDK-8321591	(fs) Improve String → Path conversion performance (win)
JDK-8321818	vmTestbase/nsk/stress/strace/strace015.java failed with 'Cannot read the array length because "<local4>" is null'
JDK-8322706	AnnotationTypeMismatchException in javac with annotation processing

Issue ID	Summary
JDK-8322810	Lambda expression types can't be classes
JDK-8322983	Virtual Threads: exclude 2 tests
JDK-8323100	com/sun/tools/attach/StartManagementAgent.java failed with "WaitForSingleObject failed"
JDK-8323158	HotSpot Style Guide should specify more include ordering
JDK-8323497	On x64, use 32-bit immediate moves for narrow klass base if possible
JDK-8323545	java/awt/GraphicsDevice/CheckDisplayModes.java fails with "exit code: 133"
JDK-8323582	C2 SuperWord AlignVector: misaligned vector memory access with unaligned native memory
JDK-8323740	java.lang.ExceptionInInitializerError when trying to load XML classes in wrong order
JDK-8323807	Async UL: Add a stalling mode to async UL
JDK-8324686	Remove redefinition of NULL for MSVC
JDK-8325030	PhaseMacroExpand::value_from_mem_phi assert with "unknown node on this path"
JDK-8325132	CDS: Make sure the ArchiveRelocationMode is always printed in the log
JDK-8325647	[IR framework] Only prints stdout if exitCode is 134

Issue ID	Summary
JDK-8325859	Potential information loss during type inference
JDK-8326236	<code>assert(ce != nullptr)</code> failed in <code>Continuation::continuation_bottom_sender</code>
JDK-8326447	<code>jpackage</code> creates Windows installers that cannot be signed
JDK-8326485	Assertion due to <code>Type.addMetadata</code> adding annotations to already-annotated type
JDK-8327378	<code>XMLStreamReader</code> throws <code>EOFException</code> instead of <code>XMLStreamException</code>
JDK-8327466	<code>ct.sym</code> zip not reproducible across build environment timezones
JDK-8327495	Print more warning with <code>-Xshare:auto</code> when CDS fails to use archive
JDK-8327858	Improve <code>spliterator</code> and <code>forEach</code> for single-element immutable collections
JDK-8328119	Support HKDF in <code>SunPKCS11</code> (Preview)
JDK-8328473	<code>StringTable</code> and <code>SymbolTable</code> statistics delay time to safepoint
JDK-8328848	Inaccuracy in the documentation of the <code>-group</code> option
JDK-8328914	Document the <code>java.security.debug</code> property in javadoc

Issue ID	Summary
JDK-8328919	Add BodyHandlers / BodySubscribers methods to handle excessive server input
JDK-8329173	LCMS_CFLAGS from configure are lost
JDK-8329549	Remove FORMAT64_MODIFIER
JDK-8329887	RISC-V: C2: Support Zvbb Vector And-Not instruction
JDK-8329951	var emits deprecation warnings that do not point to the file or position
JDK-8330022	Failure test/hotspot/jtreg/vmTestbase/nsk/sysdict/share/BTreeTest.java: Could not initialize class java.util.concurrent.ThreadLocalRandom
JDK-8330045	Enhance array handling
JDK-8330174	Protection zone for easier detection of accidental zero-nKlass use
JDK-8330469	C2: Remove or change "PrintOpto && VerifyLoopOptimizations" as printing code condition
JDK-8330598	java/net/httpclient/Http1ChunkedTest.java fails with java.util.MissingFormatArgumentException: Format specifier '%s'
JDK-8330851	C2: More efficient TypeFunc creation

Issue ID	Summary
JDK-8330936	[ubsan] exclude function BilinearInterp and ShapeSINextSpan in libawt java2d from ubsan checks
JDK-8331201	UBSAN enabled build reports on Linux x86_64 runtime error: shift exponent 65 is too large for 64-bit type 'long unsigned int'
JDK-8331467	FileSystems.getDefault fails with ClassNotFoundException if custom default provider is in run-time image
JDK-8331717	C2: Crash with SIGFPE Because Loop Predication Wrongly Hoists Division Requiring Zero Check
JDK-8331723	Serial: Remove the unused parameter of the method SerialHeap::gc_prologue
JDK-8331859	[PPC64] Remove support for Power7 and older
JDK-8331873	Improve/expand info in New API In on Help page
JDK-8332268	C2: Add missing optimizations for UDivI/L and UModI/L and unify the shared logic with the signed nodes
JDK-8332271	Reading data from the clipboard from multiple threads crashes the JVM
JDK-8332368	ubsan aarch64: immediate_aarch64.cpp:298:31: runtime error: shift exponent 32 is too large for 32-bit type 'int'

Issue ID	Summary
JDK-8332506	SIGFPE In ObjectSynchronizer::is_async_deflation_needed()
JDK-8332827	[REDO] C2: crash in compiled code because of dependency on removed range check CastIIs
JDK-8332857	Test vmTestbase/nsk/jvmti/GetThreadCpuTime/thrcputime002/TestDescription.java failed
JDK-8332934	Do loop with continue with subsequent switch leads to incorrect stack maps
JDK-8332947	[macos] OpenURIHandler events not received when AWT is embedded in another toolkit
JDK-8332980	[IR Framework] Add option to measure IR rule processing time
JDK-8333386	TestAbortOnVMOperationTimeout test fails for client VM
JDK-8333393	PhaseCFG::insert_anti_dependences can fail to raise LCAs and to add necessary anti- dependence edges
JDK-8333568	Test that jpackage doesn't modify R/O files/directories
JDK-8333569	jpackage tests must run app launchers with retries on Linux only
JDK-8333578	Fix uses of overaligned types induced by ZCACHE_ALIGNED

Issue ID	Summary
JDK-8333664	Decouple command line parsing and package building in jpackage
JDK-8333697	C2: Hit MemLimit in PhaseCFG::global_code_motion
JDK-8334016	Make PrintNullString.java automatic
JDK-8334046	Set different values for CompLevel_any and CompLevel_all
JDK-8334320	Replace vmTestbase/metaspaces/share/TriggerUnloadingWithWhiteBox.java with ClassUnloadCommon from testlibrary
JDK-8334322	Misleading values of keys in jpackage resource bundle
JDK-8334391	JDK build should exclude *-files directories for Java source
JDK-8334513	New test gc/TestAlwaysPreTouchBehavior.java is failing on MacOS aarch64
JDK-8334581	Remove no-arg constructor BasicSliderUI()
JDK-8334644	Automate javax/print/attribute/PageRangesException.java
JDK-8334717	Add JVMCI support for APX EGPRs

Issue ID	Summary
JDK-8334733	Remove obsolete @enablePreview from tests after JDK-8334714
JDK-8334742	Change java.time month/day field types to 'byte'
JDK-8334756	javac crashed on call to non-existent generic method with explicit annotated type arg
JDK-8334759	gc/g1/TestMixedGCLiveThreshold.java fails on Windows with JTREG_TEST_THREAD_FACTORY=Virtual due to extra memory allocation
JDK-8335367	[s390] Add support for load immediate on condition instructions.
JDK-8335428	Enhanced Building of Processes
JDK-8335708	C2: Compile::verify_graph_edges must start at root and safepoints, just like CCP traversal
JDK-8335747	C2: fix overflow case for LoopLimit with constant inputs
JDK-8336042	Caller/callee param size mismatch in deoptimization causes crash
JDK-8336147	Clarify CDS documentation about static vs dynamic archive
JDK-8336356	[s390x] preserve Vector Register before using for string compress / expand
JDK-8336382	Fix error reporting in loading AWT

Issue ID	Summary
JDK-8336412	sun.net.www.MimeTable has a few unused methods
JDK-8336470	Source launcher should work with service loader SPI in unnamed module
JDK-8336564	Enhance mask blit functionality redux
JDK-8336760	[JVMCI] -XX:+PrintCompilation should also print "hosted" JVMCI compilations
JDK-8336906	C2: assert(bb→is_reachable()) failed: getting result from unreachable basicblock
JDK-8336920	ArithmeticException in javax.sound.sampled.AudioInputStream
JDK-8337016	serviceability/jvmti/RedefineClasses/RedefineLeakThrowable.java gets Metaspace OOM
JDK-8337111	Bad HTML checker for generated documentation
JDK-8337113	Bad character checker for generated documentation
JDK-8337114	DocType checker for generated documentation
JDK-8337116	Internal links checker for generated documentation
JDK-8337251	C1: Improve Class.isInstance intrinsic
JDK-8337279	Share StringBuilder to format instant

Issue ID	Summary
JDK-8337458	Remove debugging code <code>print_cpool_bytes</code>
JDK-8337494	Clarify <code>JarInputStream</code> behavior
JDK-8337548	Parallel class loading can pass <code>is_superclass</code> true for interfaces
JDK-8337666	AArch64: SHA3 GPR intrinsic
JDK-8337692	Better TLS connection support
JDK-8337723	Remove redundant tests from <code>com/sun/security/sasl/gsskerb</code>
JDK-8337978	Verify <code>OopHandles</code> oops on access
JDK-8337995	<code>ZUtils::fill</code> uses <code>std::fill_n</code>
JDK-8337997	<code>MallocHeader</code> description refers to non-existent NMT state "minimal"
JDK-8338140	(str) Add notes to <code>String.trim</code> and <code>String.isEmpty</code> pointing to newer APIs
JDK-8338194	ubsan: <code>mulnode.cpp:862:59: runtime error: shift exponent 64 is too large for 64-bit type 'long unsigned int'</code>
JDK-8338303	Linux ppc64le with toolchain clang - detection failure in early JVM startup
JDK-8338428	Add logging of final VM flags while setting properties

Issue ID	Summary
JDK-8338430	Improve compiler transformations
JDK-8338554	Fix inconsistencies in javadoc/doclet/testLinkOption/TestRedirectLinks.java
JDK-8338675	javac shouldn't silently change .jar files on the classpath
JDK-8338714	vmTestbase/nsk/jdb/kill/kill001/kill001.java fails with JTREG_TEST_THREAD_FACTORY=Virtual
JDK-8338737	Shenandoah: Reset marking bitmaps after the cycle
JDK-8338833	Error on reference not found for a snippet target
JDK-8338973	Document need to have UTF-8 locale available to build the JDK
JDK-8339019	Obsolete the UseLinuxPosixThreadCPUClocks flag
JDK-8339113	AccessFlags can be u2 in metadata
JDK-8339114	DaCapo xalan performance with -XX:+UseObjectMonitorTable
JDK-8339180	Enhanced Building of Processes: Follow-on Issue
JDK-8339238	Update to use jtreg 7.5.1

Issue ID	Summary
JDK-8339280	jarsigner -verify performs cross-checking between CEN and LOC
JDK-8339313	32-bit build broken
JDK-8339331	GCC fortify error in vm_version_linux_aarch64.cpp
JDK-8339356	Test javax/net/ssl/SSLSocket/Tls13PacketSize.java failed with java.net.SocketException: An established connection was aborted by the software in your host machine
JDK-8339527	Adjust threshold for MemorySegment::fill native invocation
JDK-8339543	[vectorapi] laneHelper and withLaneHelper should be ForceInline
JDK-8339561	The test/jdk/java/awt/Paint/ListRepaint.java may fail after JDK-8327401
JDK-8339622	Regression in make open-hotspot-xcode-project
JDK-8339668	Parallel: Adopt PartialArrayState to consolidate marking stack in Full GC
JDK-8339728	[Accessibility,Windows,JAWS] Bug in the getKeyChar method of the AccessBridge class
JDK-8339889	Several compiler tests ignore vm flags and not marked as flagless

Issue ID	Summary
JDK-8339891	Several sun/security/ssl/SSLSessionImpl/* tests override test.java.opts
JDK-8339910	RISC-V: crc32 intrinsic with carry-less multiplication
JDK-8340110	Ubsan: verifier.cpp:2043:19: runtime error: shift exponent 100 is too large for 32-bit type 'int'
JDK-8340185	Use make -k on GHA to catch more build errors
JDK-8340212	-Xshare:off -XX:CompressedClassSpaceBaseAddress=0x40001000000 crashes on macos-aarch64
JDK-8340321	Disable SHA-1 in TLS/DTLS 1.2 handshake signatures
JDK-8340341	Abort in configure when using Xcode 16.0 or 16.1
JDK-8340401	DcmdMBeanPermissionsTest.java and SystemDumpMapTest.java fail with assert(_stack_base != nullptr) failed: Sanity check
JDK-8340416	Remove ArchiveBuilder::estimate_archive_size()
JDK-8340493	Fix some Asserts failure messages
JDK-8340631	assert(reserved_rgn→contain_region(base_addr, size)) failed: Reserved CDS region should contain this mapping region

Issue ID	Summary
JDK-8340784	Remove PassFailJFrame constructor with screenshots
JDK-8340969	jdk/jfr/startupargs/TestStartDuration.java should be marked as flagless
JDK-8341095	Possible overflow in os::Posix::print_uptime_info
JDK-8341097	GHA: Demote Mac x86 jobs to build only
JDK-8341311	[Accessibility,macOS,VoiceOver] VoiceOver announces incorrect number of items in submenu of JPopupMenu
JDK-8341346	Add support for exporting TLS Keying Material
JDK-8341370	Test java/awt/Frame/ShapeNotSetSometimes/ShapeNotSetSometimes.java fails intermittently on macOS-aarch64
JDK-8341402	BigDecimal's square root optimization
JDK-8341481	[perf] vframeStreamCommon constructor may be optimized
JDK-8341491	Reserve and commit memory operations should be protected by NMT lock
JDK-8341544	Restore fence() in Mutex
JDK-8341608	jdeps in JDK 23 crashes when parsing signatures while jdeps in JDK 22 works fine

Issue ID	Summary
JDK-8341641	Make %APPDATA% and %LOCALAPPDATA% env variables available in *.cfg files
JDK-8341696	C2: Non-fluid StringBuilder pattern bails out in OptoStringConcat
JDK-8341775	Duplicate manifest files are removed by jarsigner after signing
JDK-8341781	Improve Min/Max node identities
JDK-8341833	incomplete snippet from loaded files from command line is ignored
JDK-8341976	C2: use_mem_state != load →find_exact_control(load→in(0)) assert failure
JDK-8342062	Reformat keytool and jarsigner output for keys with a named parameter set
JDK-8342096	Popup menus that request focus are not shown on Linux with Wayland
JDK-8342103	C2 compiler support for Float16 type and associated scalar operations
JDK-8342206	Convenience method to check if a constant pool entry matches nominal descriptors
JDK-8342238	Test javax/crypto/CryptoPermissions/InconsistentEntries.java writes files in tested JDK dir
JDK-8342283	CDS cannot handle a large number of classes

Issue ID	Summary
JDK-8342393	Promote commutative vector IR node sharing
JDK-8342444	Shenandoah: Uncommit regions from a separate, STS aware thread
JDK-8342465	Improve API documentation for <code>java.lang.classfile</code>
JDK-8342466	Improve API documentation for <code>java.lang.classfile.attribute</code>
JDK-8342468	Improve API documentation for <code>java.lang.classfile.constantpool</code>
JDK-8342469	Improve API documentation for <code>java.lang.classfile.instruction</code>
JDK-8342486	Implement JEP 505: Structured Concurrency (Fifth Preview)
JDK-8342524	Use latch in <code>AbstractButton/bug6298940.java</code> instead of delay
JDK-8342550	Log warning for using JDK1.1 compatible time zone IDs for future removal
JDK-8342562	Enhance Deflater operations
JDK-8342651	Refactor array constant to use an array of <code>jbyte</code>
JDK-8342676	Unsigned Vector Min / Max transforms

Issue ID	Summary
JDK-8342775	[Graal] java/util/concurrent/locks/Lock/OOMEInAQS.java fails OOME thrown from the UncaughtExceptionHandler
JDK-8342782	AWTEventMulticaster throws StackOverflowError using AquaButtonUI
JDK-8342807	Update links in java.base to use https://
JDK-8342818	Implement JEP 509: JFR CPU-Time Profiling
JDK-8342881	RISC-V: secondary_super_cache does not scale well: C1 and interpreter
JDK-8342886	Update MET timezone in TimeZoneNames files
JDK-8342979	Start of release updates for JDK 25
JDK-8342982	Add SourceVersion.RELEASE_25
JDK-8342983	Add source 25 and target 25 to javac
JDK-8342984	Bump minimum boot jdk to JDK 24
JDK-8342987	Update --release 24 symbol information for JDK 24 build 27
JDK-8342995	Enhance Attach API to support arbitrary length arguments - Linux
JDK-8342996	Enhance Attach API to support arbitrary length arguments - OSX

Issue ID	Summary
JDK-8343007	Enhance Buffered Image handling
JDK-8343074	test/jdk/com/sun/net/httpserver/docs/test1/largefile.txt could be generated
JDK-8343110	Add getChars(int, int, char[], int) to CharSequence and CharBuffer
JDK-8343148	C2: Refactor uses of "PhaseValue::*con*() + PhaseIdealLoop::set_ctrl()" into separate method
JDK-8343157	Examine large files for character encoding/decoding
JDK-8343158	[JVMCI] ZGC should deoptimize on old gen allocation
JDK-8343170	java/awt/Cursor/JPanelCursorTest/JPanelCursorTest.java does not show the default cursor
JDK-8343191	Cgroup v1 subsystem fails to set subsystem path
JDK-8343224	print/Dialog/PaperSizeError.java fails with MediaSizeName is not A4: A4
JDK-8343342	java/io/File/GetXSpace.java fails on Windows with CD-ROM drive
JDK-8343467	Remove unnecessary @SuppressWarnings annotations (security)
JDK-8343468	GenShen: Enable relocation of remembered set card tables

Issue ID	Summary
JDK-8343477	Remove unnecessary @SuppressWarnings annotations (compiler)
JDK-8343478	Remove unnecessary @SuppressWarnings annotations (core-libs)
JDK-8343510	JFR: Remove AccessControlContext from FlightRecorder::addListener specification
JDK-8343580	Type error with inner classes of generic classes in functions generic by outer
JDK-8343607	C2: Shenandoah crashes during barrier expansion in Continuation::enter
JDK-8343609	Broken links in java.xml
JDK-8343618	Stack smashing in awt_InputMethod.c on Linux s390x
JDK-8343629	More MergeStore benchmark
JDK-8343685	C2 SuperWord: refactor VPointer with MemPointer
JDK-8343739	Test java/awt/event/KeyEvent/ExtendedKeyCode/ExtendedKeyCodeTest.java failed: Wrong extended key code
JDK-8343747	C2: TestReplicateAtConv.java crashes with -XX:MaxVectorSize=8
JDK-8343767	Enumerate StubGen blobs, stubs and entries and generate code from declarations

Issue ID	Summary
JDK-8343782	G1: Use one G1CardSet instance for multiple old gen regions
JDK-8343789	Move mutable nmethod data out of CodeCache
JDK-8343802	Prevent NULL usage backsliding
JDK-8343829	Unify decimal and hexadecimal parsing in FloatingDecimal
JDK-8343832	Enhance test summary with number of skipped tests
JDK-8343840	Rewrite the ObjectMonitor lists
JDK-8343882	BasicAnnoTests doesn't handle multiple annotations at the same position
JDK-8343890	SEGV crash in RunTimeClassInfo::klass
JDK-8343891	Test javax/swing/JTabbedPane/TestJTabbedPaneB ackgroundColor.java failed
JDK-8343906	test2 of compiler/c2/TestCastX2NotProcessedIGVN.jav a fails on some platforms
JDK-8343938	TestStressBailout triggers "Should not be locked when freed" assert
JDK-8343962	[REDO] Move getChars to DecimalDigits

Issue ID	Summary
JDK-8343977	Convert java/awt/TextArea/TextAreaCursorTest/HoveringAndDraggingTest to main
JDK-8343978	Update the default value of CodeEntryAlignment for Ampere-1A and 1B
JDK-8344009	Improve compiler memory statistics
JDK-8344026	Ubsan: prevent potential integer overflow in c1_LIRGenerator_<arch>.cpp file
JDK-8344035	Replace predicate walking code in Loop Unswitching with a predicate visitor
JDK-8344049	Shenandoah: Eliminate init-update-refs safepoint
JDK-8344050	Shenandoah: Retire GC LABs concurrently
JDK-8344055	Shenandoah: Make all threads use local gc state
JDK-8344068	Windows x86-64: Out of CodeBuffer space when generating final stubs
JDK-8344079	Minor fixes and cleanups to compiler lint-related code
JDK-8344119	CUPSPrinter does not respect PostScript printer definition specification in case of reading ImageableArea values from PPD files
JDK-8344130	C2: Avoid excessive hoisting in scheduler due to minuscule differences in block frequency

Issue ID	Summary
JDK-8344137	Update XML Security for Java to 3.0.5
JDK-8344140	Refactor the discovery of AOT cache artifacts
JDK-8344146	Remove temporary font file tracking code.
JDK-8344148	Add an explicit compiler phase for warning generation
JDK-8344168	Change Unsafe base offset from int to long
JDK-8344171	Clone and initialize Assertion Predicates in order instead of in reverse-order
JDK-8344232	[PPC64] secondary_super_cache does not scale well: C1 and interpreter
JDK-8344251	C2: remove blackholes with dead control input
JDK-8344272	gcc devkit doesn't have lto-plugin where needed
JDK-8344301	Refine stylesheet for API docs
JDK-8344316	security/auth/callback/TextCallbackHandler/Password.java make runnable with JReg and add the UI
JDK-8344361	Restore null return for invalid services from legacy providers
JDK-8344453	Test jdk/jfr/event/oldobject/TestSanityDefault.java timed out

Issue ID	Summary
JDK-8344559	Log is spammed by missing pandoc warnings when building man pages
JDK-8344575	Examine usage of ReflectUtil.forName() in java.sql.rowset - XmlReaderContentHandler
JDK-8344581	[TESTBUG] java/awt/Robot/ScreenCaptureRobotTest.java failing on macOS
JDK-8344593	GenShen: Review of ReduceInitialCardMarks
JDK-8344611	Add missing classpath exception
JDK-8344629	SSLSocketNoServerHelloClientShutdown test timeout
JDK-8344637	Fix Page8 of manual test java/awt/print/PrinterJob/PrintTextTest.java on Linux and Windows
JDK-8344647	Make java.se participate in the preview language feature <code>requires transitive java.base</code>
JDK-8344665	Refactor PartialArrayState allocation for reuse
JDK-8344668	Unnecessary array allocations and copying in TextLine
JDK-8344671	Few JFR streaming tests fail with application not alive error on MacOS 15
JDK-8344703	Compiler Implementation for Flexible Constructor Bodies

Issue ID	Summary
JDK-8344706	Implement JEP 512: Compact Source Files and Instance Main Methods
JDK-8344708	Implement JEP 511: Module Import Declarations
JDK-8344802	Crash in StubRoutines::verify_mxcsr with -XX:+EnableX86ECOREOPTS and -Xcheckjni
JDK-8344833	CTW: Make failing on zero classes optional
JDK-8344883	Force clients to explicitly pass mem_tag value, even if it is mtNone
JDK-8344892	beans/finder/MethodFinder.findMethod incorrectly returns null
JDK-8344907	NullPointerException in Win32ShellFolder2.getSystemIcon when "icon" is null
JDK-8344924	Default CA certificates loaded despite request to use custom keystore
JDK-8344925	translet-name ignored when package-name is also set
JDK-8344942	Template-Based Testing Framework
JDK-8344943	Mark not subclassable classes final in java.base exported classes
JDK-8344951	Stabilize write barrier micro-benchmarks

Issue ID	Summary
JDK-8344966	Remove the allowNonPublic MBean compatibility property
JDK-8344969	Remove the jmx.mxbean.multiname compatibility property
JDK-8344976	Remove the jmx.invoke.getters compatibility property
JDK-8344981	[REDO] JDK-6672644 JComboBox still scrolling if switch to another window and return back
JDK-8344983	[PPC64] Rename ConditionRegisters
JDK-8345016	[ASAN] java.c reported '%s' directive argument is null [-Werror=format-truncation=]
JDK-8345040	Clean up unused variables and code in generate_native_wrapper
JDK-8345041	IGV: Free Placement Mode in IGV Layout
JDK-8345045	Remove the jmx.remote.x.buffer.size JMX notification property
JDK-8345048	Remove the jmx.extend.open.types compatibility property
JDK-8345049	Remove the jmx.tabular.data.hash.map compatibility property
JDK-8345079	Simplify/cleanup Exception handling in RMICConnectionImpl

Issue ID	Summary
JDK-8345125	Aarch64: Add aarch64 backend for Float16 scalar operations
JDK-8345133	Test sun/security/tools/jarsigner/TsacertOptionTest.java failed: Warning found in stdout
JDK-8345134	Test sun/security/tools/jarsigner/ConciseJarsigner.java failed: unable to find valid certification path to requested target
JDK-8345144	Robot does not specify all causes of IllegalThreadStateException
JDK-8345155	Add /native to native test in FFM
JDK-8345156	C2: Add bailouts next to a few asserts
JDK-8345159	RISCV: Fix -Wzero-as-null-pointer-constant warning in emit_static_call_stub
JDK-8345169	Implement JEP 503: Remove the 32-bit x86 Port
JDK-8345185	Update jpackage to not include service bindings by default
JDK-8345212	Since checker should better handle non numeric values
JDK-8345213	JVM Prefers /etc/timezone Over /etc/localtime on Debian 12

Issue ID	Summary
JDK-8345217	Parallel: Refactor PSParallelCompact::next_src_region
JDK-8345225	AARCH64: VM crashes with -NearCpool +UseShenandoahGC options
JDK-8345249	Apply some conservative cleanups in URLConnection
JDK-8345259	Disallow ALL-MODULE-PATH without explicit --module-path
JDK-8345263	Make sure that lint categories are used correctly when logging lint warnings
JDK-8345266	java/util/concurrent/locks/StampedLock/OOMEI nStampedLock.java JTREG_TEST_THREAD_FACTORY=Virtual fails with OOME
JDK-8345269	Fix -Wzero-as-null-pointer-constant warnings in ppc code
JDK-8345273	Fix -Wzero-as-null-pointer-constant warnings in s390 code
JDK-8345285	[s390x] test failures: foreign/normalize/TestNormalize.java with C2
JDK-8345287	C2: live in computation is broken
JDK-8345298	RISC-V: Add riscv backend for Float16 operations - scalar

Issue ID	Summary
JDK-8345299	C2: some nodes can still have incorrect control after do_range_check()
JDK-8345314	Add a red-black tree as a utility data structure
JDK-8345322	RISC-V: Add concurrent gtests for cmpxchg variants
JDK-8345323	Parallel GC does not handle UseLargePages and UseNUMA gracefully
JDK-8345327	JDK 24 RDP1 L10n resource files update
JDK-8345335	Add excluded jdk_foreign tests to manual group
JDK-8345337	JFR: jfr view should display all direct subfields for an event type
JDK-8345347	Test runtime/cds/TestDefaultArchiveLoading.java should accept VM flags or be marked as flagless
JDK-8345368	java/io/File/createTempFile/SpecialTempFile.java fails on Windows Server 2025
JDK-8345374	Ubsan: runtime error: division by zero
JDK-8345390	[ubsan] systemDictionaryShared.cpp:964: member call on null pointer
JDK-8345399	GenShen: Error: Verify init-mark remembered set violation; clean card should be dirty

Issue ID	Summary
JDK-8345405	Add JMH showing the regression in 8341649
JDK-8345414	Google CAInterop test failures
JDK-8345421	(bf) Create specific test for temporary direct buffers and the buffer size limit
JDK-8345423	Shenandoah: Parallelize concurrent cleanup
JDK-8345424	Move FindDebuginfoFiles out of FileUtils.gmk
JDK-8345431	Improve jar --validate to detect duplicate or invalid entries
JDK-8345432	(ch, fs) Replace anonymous Thread with InnocuousThread
JDK-8345435	Eliminate tier1_compiler_not_xcomp group
JDK-8345465	Fix performance regression on x64 after JDK-8345120
JDK-8345471	Clean up compiler/intrinsics/sha/cli tests
JDK-8345492	Fix -Wzero-as-null-pointer-constant warnings in adlc code
JDK-8345493	JFR: JVM.flush hangs intermittently
JDK-8345505	Fix -Wzero-as-null-pointer-constant warnings in zero code
JDK-8345506	jar --validate may lead to java.nio.file.FileAlreadyExistsException

Issue ID	Summary
JDK-8345538	Robot.mouseMove doesn't clamp bounds on macOS when trying to move mouse off screen
JDK-8345543	Test serviceability/jvmti/vthread/StopThreadTest/StopThreadTest.java failed: expected JVMTI_ERROR_OPAQUE_FRAME instead of: 0
JDK-8345555	Improve layout of search results
JDK-8345569	[ubsan] adjustments to filemap.cpp and virtualspace.cpp for macOS aarch64
JDK-8345573	Module dependencies not resolved from run-time image when --limit-module is being used
JDK-8345580	Remove const from Node::_idx which is modified
JDK-8345589	Simplify Windows definition of strtok_r
JDK-8345590	AIX 'make all' fails after JDK-8339480
JDK-8345598	Upgrade NSS binaries for interop tests
JDK-8345609	[C1] LIR Operations with one input should be implemented as LIR_Op1
JDK-8345614	Improve AnnotationFormatError message for duplicate annotation interfaces
JDK-8345616	Unnecessary Hashtable usage in javax.swing.text.html.parser.Element

Issue ID	Summary
JDK-8345618	javax/swing/text/Caret/8163124/CaretFloatingPointAPITest.java leaves Caret is not complete
JDK-8345622	test/langtools/tools/javac/annotations/parameter/ParameterAnnotations.java should set processorpath to work correctly in the agentvm mode
JDK-8345625	Better HTTP connections
JDK-8345627	[REDO] Use gcc12 -ftrivial-auto-var-init=pattern in debug builds
JDK-8345628	[BACKOUT] JDK-8287122 Use gcc12 -ftrivial-auto-var-init=pattern in debug builds
JDK-8345629	Remove expired flags in JDK 25
JDK-8345632	[ASAN] memory leak in get_numbered_property_as_sorted_string function
JDK-8345647	Fix recent NULL usage backsliding in Shenandoah
JDK-8345655	Move reservation code out of ReservedSpace
JDK-8345656	Move os alignment functions out of ReservedSpace
JDK-8345658	WB_NMTCommitMemory redundantly records an NMT tag
JDK-8345659	Fix broken alignment after ReservedSpace splitting in GC code

Issue ID	Summary
JDK-8345661	Simplify page size alignment in code heap reservation
JDK-8345664	Use simple parameter type names in @link and @see tags
JDK-8345668	ZoneOffset.ofTotalSeconds performance regression
JDK-8345669	RISC-V: fix client build failure due to AlignVector after JDK-8343827
JDK-8345676	[ubsan] ProcessImpl_md.c:561:40: runtime error: applying zero offset to null pointer on macOS aarch64
JDK-8345678	compute_modifiers should not be in create_mirror
JDK-8345683	Remove special flags for files compiled for static libraries
JDK-8345684	OperatingSystemMXBean.getSystemCpuLoad() throws NPE
JDK-8345687	Improve the implementation of SegmentFactories::allocateSegment
JDK-8345693	Update JCov for class file version 69
JDK-8345698	Remove tier1_compiler_not_xcomp from github actions
JDK-8345700	tier{1,2,3}_compiler don't cover all compiler tests

Issue ID	Summary
JDK-8345726	Update mx in RunTestPrebuiltSpec to reflect change in JDK-8345302
JDK-8345728	[Accessibility,macOS,Screen Magnifier]: JCheckbox unchecked state does not magnify but works for checked state
JDK-8345732	Provide helpers for using PartialArrayState
JDK-8345744	Use C++ LINK_TYPE with SetupBuildLauncher in StaticLibs.gmk
JDK-8345745	Update mode of the Attach API communication pipe.
JDK-8345746	Remove :resourcehogs/compiler from :hotspot_slow_compiler
JDK-8345750	Shenandoah: Test TestJcmdHeapDump.java#aggressive intermittent assert(gc_cause() == GCCause::_no_gc) failed: Over-writing cause
JDK-8345757	[ASAN] clang17 report 'dprintf' macro redefined
JDK-8345766	C2 should emit macro nodes for ModF/ModD instead of calls during parsing
JDK-8345767	javax/swing/JSplitPane/4164779/JSplitPaneKeyboardNavigationTest.java fails in ubuntu22.04
JDK-8345770	javadoc: API documentation builds are not always reproducible

Issue ID	Summary
JDK-8345773	Class-File API debug printing capability
JDK-8345777	Improve sections for inherited members
JDK-8345782	Refining the cases that libjsig deprecation warning is issued
JDK-8345793	Update copyright year to 2024 for the build system in files where it was missed
JDK-8345794	Backout doc change introduced by JDK-8235786
JDK-8345795	Update copyright year to 2024 for hotspot in files where it was missed
JDK-8345797	Update copyright year to 2024 for client-libs in files where it was missed
JDK-8345799	Update copyright year to 2024 for core-libs in files where it was missed
JDK-8345800	Update copyright year to 2024 for serviceability in files where it was missed
JDK-8345801	C2: Clean up include statements to speed up compilation when touching type.hpp
JDK-8345803	Update copyright year to 2024 for security in files where it was missed
JDK-8345804	Update copyright year to 2024 for langtools in files where it was missed

Issue ID	Summary
JDK-8345805	Update copyright year to 2024 for other files where it was missed
JDK-8345818	Fix SM cleanup of parsing of System property resource.bundle.debug
JDK-8345826	Do not automatically resolve <code>jdk.internal.vm.ci</code> when libgraal is used
JDK-8345838	Remove the <code>appcds/javaldt/AnonVmClassesDuringDump.java</code> test
JDK-8345840	Add missing TLS handshake messages to <code>SSLHandshake.java</code>
JDK-8345876	Update <code>nativeAddAtIndex</code> comment to match the code
JDK-8345888	Broken links in the JDK 24 JavaDoc API documentation, build 27
JDK-8345908	Class links should be properly spaced
JDK-8345911	Enhance error message when <code>IncompatibleClassChangeError</code> is thrown for sealed class loading failures
JDK-8345936	Call <code>ClassLoader.getResourceAsByteArray</code> only for multi-release jar
JDK-8345940	Migrate security-related resources from Java classes to properties files

Issue ID	Summary
JDK-8345942	Separate source output from class output when building microbenchmarks
JDK-8345944	JEP 492: extending local class in a different static context should not be allowed
JDK-8345953	JEP 492: instantiating local classes in a different static context should not be allowed
JDK-8345955	Deprecate the UseOprofile flag with a view to removing the legacy oprofile support in the VM
JDK-8345959	Make JVM_IsStaticallyLinked JVM_LEAF
JDK-8345970	pthread_getcpuclockid related crashes in shenandoah tests
JDK-8345975	Update SAP SE copyright year to 2024 where it was missed
JDK-8345984	Remove redundant checkXXX methods from java.management Util class
JDK-8345987	java.management has two Util.newObjectName methods (remove one)
JDK-8346007	Incorrect copyright header in UModLNodeIdealizationTests.java
JDK-8346008	Fix recent NULL usage backsliding in Shenandoah
JDK-8346016	Problemlist vm/mlvm/indy/func/jvmti/mergeCP_indy2many Diff_a in virtual thread mode

Issue ID	Summary
JDK-8346017	Socket.connect specified to throw UHE for unresolved address is problematic for SOCKS V5 proxy
JDK-8346036	Unnecessary Hashtable usage in javax.swing.text.html.parser.Entity
JDK-8346038	[REDO] - [C1] LIR Operations with one input should be implemented as LIR_Op1
JDK-8346039	[BACKOUT] - [C1] LIR Operations with one input should be implemented as LIR_Op1
JDK-8346040	Zero interpreter build on Linux Aarch64 is broken
JDK-8346045	Cleanup of security library tests calling Security Manager APIs
JDK-8346046	Enable copyright header format check
JDK-8346047	JFR: Incorrect percentile value in 'jfr view'
JDK-8346048	test/lib/containers/docker/DockerRunOptions.java uses addJavaOpts() from ctor
JDK-8346049	jdk/test/lib/security/timestamp/TsaServer.java warnings
JDK-8346050	Update BuildTestLib.gmk to build whole testlibrary
JDK-8346051	MemoryTest fails when Shenandoah's generational mode is enabled

Issue ID	Summary
JDK-8346052	JFR: Incorrect average value in 'jfr view'
JDK-8346055	javax/swing/text/StyledEditorKit/4506788/bug 4506788.java fails in ubuntu22.04
JDK-8346059	[ASAN] awt_LoadLibrary.c reported compile warning ignoring return value of function by clang17
JDK-8346063	java/lang/Thread/virtual/Starvation.java missing @requires vm.continuations
JDK-8346069	Add missing Classpath exception statements
JDK-8346082	Output JVMTI agent information in hserr files
JDK-8346094	Harden X509CertImpl.getExtensionValue for NPE cases
JDK-8346099	JFR: Query for 'jfr view' can't handle wildcard with multiple event types
JDK-8346101	[JVMCI] Export jdk.internal.misc to jdk.graal.compiler
JDK-8346106	Verify.checkEQ: testing utility for recursive value verification
JDK-8346107	Generators: testing utility for random value generation
JDK-8346109	Create JDK taglet for additional preview notes
JDK-8346117	Add test annotation

Issue ID	Summary
JDK-8346120	VirtualThreadPinned event recorded for Object.wait may have wrong duration or may record second event
JDK-8346123	[REDO] NMT should not use ThreadCritical
JDK-8346128	Comparison build fails due to difference in LabelTarget.html
JDK-8346129	Simplify EdDSA & XDH curve name usage
JDK-8346132	fallbacklinker.c failed compilation due to unused variable
JDK-8346139	test_memset_with_concurrent_readers.cpp should not use <sstream>
JDK-8346142	[perf] scalability issue for the specjvm2008::xml.validation workload
JDK-8346143	add ClearAllFramePops function to speedup debugger single stepping in some cases
JDK-8346150	Jib dependency on autoconf missing for 'docs' profile
JDK-8346151	Add transformer error logging to VerifyLocalVariableTableOnRetransformTest
JDK-8346157	[Ubsan]: runtime error: pointer index expression with base 0x000000001000 overflowed to 0xfffffffffffff0
JDK-8346159	Disable CDS AOTClassLinking tests for JVMCI due to JDK-8345635

Issue ID	Summary
JDK-8346160	Fix -Wzero-as-null-pointer-constant warnings from explicit casts
JDK-8346174	UMAX/UMIN are missing from XXXVector::reductionOperations
JDK-8346184	C2: assert(has_node(i)) failed during split thru phi
JDK-8346193	CrashGCForDumpingJavaThread do not trigger expected crash build with clang17
JDK-8346194	Improve G1 pre-barrier C2 cost estimate
JDK-8346195	Fix static initialization problem in GDIHashtable
JDK-8346202	Correct typo in SQLPermission
JDK-8346230	[perf] scalability issue for the specjvm2008::xml.transform workload
JDK-8346231	RISC-V: Fix incorrect assertion in SharedRuntime::generate_handler_blob
JDK-8346232	Remove leftovers of the jar --normalize feature
JDK-8346234	javax/swing/text/DefaultEditorKit/4278839/bug 4278839.java still fails in CI
JDK-8346235	RISC-V: Optimize bitwise AND with mask values
JDK-8346236	Auto vectorization support for various Float16 operations

Issue ID	Summary
JDK-8346239	Improve memory efficiency of JimageDiffGenerator
JDK-8346248	serviceability/dcmd/vm/{SystemMapTest.java, SystemMapTest.java} failing on macos-aarch64
JDK-8346255	java/lang/management/ThreadMXBean/VirtualThreadDeadlocks.java finds no deadlock
JDK-8346257	Problemlist jdp tests for macosx-aarch64
JDK-8346260	Test "javafx/swing/JOptionPane/bug4174551.java" failed because the font size of message "Hi 24" is not set to 24 in Nimbus LookAndFeel
JDK-8346261	Cleanup in JDP tests
JDK-8346264	"Total compile time" counter should include time spent in failing/bailout compiles
JDK-8346278	Clean up some flag handling in flags-cflags.m4
JDK-8346280	C2: implement late barrier elision for G1
JDK-8346282	[JVMCI] Add failure reason support to UnresolvedJava/Type/Method/Field
JDK-8346285	Update jarsigner compatibility test for change in default digest algorithm
JDK-8346288	WB_IsIntrinsicAvailable fails if called with wrong compilation level

Issue ID	Summary
JDK-8346289	Confusing phrasing in IR Framework README / User-defined Regexes
JDK-8346294	Invalid lint category specified in compiler.properties
JDK-8346295	Update --release 24 symbol information for JDK 24 build 29
JDK-8346300	Add @Test annotation to TCKZoneld.test_constant_OLD_IDS_POST_2024b test
JDK-8346304	SA doesn't need a copy of getModifierFlags
JDK-8346306	Unattached thread can cause crash during VM exit if it calls wait_if_vm_exited
JDK-8346310	Duplicate !HAS_PENDING_EXCEPTION check in DynamicArchive::dump_at_exit
JDK-8346324	javax/swing/JScrollBar/4865918/bug4865918.java fails in CI
JDK-8346377	Properly support static builds for Windows
JDK-8346378	Cannot use DllMain in libnet for static builds
JDK-8346383	Cannot use DllMain in libdt_socket for static builds
JDK-8346388	Cannot use DllMain in libawt for static builds
JDK-8346394	Bundled freetype library needs to have JNI_OnLoad for static builds

Issue ID	Summary
JDK-8346432	java.lang.foreign.Linker comment typo
JDK-8346433	Cannot use DllMain in hotspot for static builds
JDK-8346434	Add test for non-automatic service binding
JDK-8346457	AOT cache creation crashes with "assert(pair_at(i).match() < pair_at(i+1).match()) failed: unsorted table entries"
JDK-8346460	NotifyFramePop should return JVMTL_ERROR_DUPLICATE
JDK-8346463	Add test coverage for deploying the default provider as a module
JDK-8346465	Add a check in setData() to restrict the update of Built-In ICC_Profiles
JDK-8346468	SM cleanup of common test library
JDK-8346470	Improve WriteBarrier JMH to have old-to-young refs
JDK-8346475	RISC-V: Small improvement for MacroAssembler::ctzc_bit
JDK-8346477	Clarify the Java manpage in relation to the JVM's OnOutOfMemoryError flags
JDK-8346478	RISC-V: Refactor add/sub assembler routines
JDK-8346532	XXXVector::rearrangeTemplate misses null check

Issue ID	Summary
JDK-8346552	C2: Add IR tests to check that Predicate cloning in Loop Unswitching works as expected
JDK-8346567	Make Class.getModifiers() non-native
JDK-8346568	G1: Other time can be negative
JDK-8346569	Shenandoah: Worker initializes ShenandoahThreadLocalData twice results in memory leak
JDK-8346570	SM cleanup of tests for Beans and Serialization
JDK-8346572	Check is_reserved() before using ReservedSpace instances
JDK-8346573	Can't use custom default file system provider with custom system class loader
JDK-8346576	Remove vmTestbase/gc/memory/Nio/Nio.java from test/hotspot/jtreg/ProblemList.txt
JDK-8346581	JRadioButton/ButtonGroupFocusTest.java fails in CI on Linux
JDK-8346587	Distrust TLS server certificates anchored by Camerfirma Root CAs
JDK-8346602	Remove unused macro parameters in jni.cpp
JDK-8346605	AIX fastdebug build fails in memoryReserver.cpp after JDK-8345655

Issue ID	Summary
JDK-8346607	IGV: Support drag-and-drop for opening graph files
JDK-8346609	Improve MemorySegment.toString
JDK-8346610	Make all imports consistent in the FFM API
JDK-8346659	SnippetTaglet should report an error if provided ambiguous links
JDK-8346664	C2: Optimize mask check with constant offset
JDK-8346667	Doccheck: warning about missing <code></code> before <code><h2></code>
JDK-8346669	Increase abstraction in SetupBuildLauncher and remove extra args
JDK-8346671	java/nio/file/Files/probeContentType/Basic.java fails on Windows 2025
JDK-8346683	Problem list automated tests that fail on macOS15
JDK-8346688	GenShen: Missing metadata trigger log message
JDK-8346690	Shenandoah: Fix log message for end of GC usage report
JDK-8346705	SNI not sent with Java 22+ using <code>java.net.http.HttpClient.Builder#sslParameters</code>
JDK-8346706	RISC-V: Add available registers to <code>hs_err</code>

Issue ID	Summary
JDK-8346712	Remove com/sun/net/httpserver/TcpNoDelayNotRequired.java test
JDK-8346713	[testsuite] NeverActAsServerClassMachine breaks TestPLABAdaptToMinTLABSize.java TestPinnedHumongousFragmentation.java TestPinnedObjectContents.java
JDK-8346714	[ASAN] compressedKlass.cpp reported applying non-zero offset to null pointer
JDK-8346717	serviceability/dcmd/vm/SystemDumpMapTest.java failing on Windows with "Stack base not yet set for thread id"
JDK-8346720	Support Generic keys in SunPKCS11 SecretKeyFactory
JDK-8346722	(fs) Files.probeContentType throws ClassCastException with custom file system provider
JDK-8346727	JvmtiVTMSTransitionDisabler deadlock
JDK-8346736	Java Security Standard Algorithm Names spec should include key algorithm names
JDK-8346737	GenShen: Generational memory pools should not report zero for maximum capacity
JDK-8346739	jpackage tests failed after JDK-8345259

Issue ID	Summary
JDK-8346751	Internal java compiler error with type annotations in constants expression in constant fields
JDK-8346773	Fix unmatched brackets in some misc files
JDK-8346774	Use Predicate classes instead of Node classes
JDK-8346777	Add missing const declarations and rename variables
JDK-8346778	Enable native access should work with the source launcher
JDK-8346781	[JVMCI] Limit ServiceLoader to class initializers
JDK-8346785	Potential infinite loop in JavadocTokenizer.ensure
JDK-8346786	RISC-V: Reconsider ConditionalMoveLimit when adding conditional move
JDK-8346787	Fix two C2 IR matching tests for RISC-V
JDK-8346792	serviceability/jvmti/vthread/GetThreadState/GetThreadState.java testObjectWaitMillis failed
JDK-8346825	[JVMCI] Remove NativeImageReinitialize annotation
JDK-8346828	javax/swing/JScrollBar/4865918/bug4865918.java still fails in CI

Issue ID	Summary
JDK-8346829	Problem list com/sun/jdi/ReattachStressTest.java & ProcessAttachTest.java on Linux
JDK-8346830	Simplify adlc build config for aix
JDK-8346831	Remove the extra closing parenthesis in CTW Makefile
JDK-8346832	runtime/CompressedOops/CompressedCPUSp ecificClassSpaceReservation.java fails on RISC-V
JDK-8346834	Tests failing with -XX:+UseNUMA due to "NUMA support disabled" warning
JDK-8346836	C2: Verify CastII/CastLL bounds at runtime
JDK-8346838	RISC-V: runtime/CommandLine/OptionsValidation/Test OptionsWithRanges.java crash with debug VMs
JDK-8346847	[s390x] minimal build failure
JDK-8346866	[ASAN] memoryReserver.cpp reported applying non-zero offset to non-null pointer produced null pointer
JDK-8346868	RISC-V: compiler/sharedstubs tests fail after JDK-8332689
JDK-8346869	[AIX] Add regression test for handling 4 Byte aligned doubles in structures

Issue ID	Summary
JDK-8346871	Improve robustness of java/util/zip/EntryCount64k.java test
JDK-8346872	tools/jpackage/windows/WinLongPathTest.java fails
JDK-8346875	Test jdk/jdk/jfr/event/os/TestCPULoad.java fails on macOS
JDK-8346880	[aix] java/lang/ProcessHandle/InfoTest.java still fails: "reported cputime less than expected"
JDK-8346881	[ubsan] logSelection.cpp:154:24 / logSelectionList.cpp:72:94 : runtime error: applying non-zero offset 1 to null pointer
JDK-8346887	DrawFocusRect() may cause an assertion failure
JDK-8346888	[ubsan] block.cpp:1617:30: runtime error: 9.97582e+36 is outside the range of representable values of type 'int'
JDK-8346890	AArch64: Type profile counters generate suboptimal code
JDK-8346916	[REDO] align_up has potential overflow
JDK-8346920	Serial: Support allocation in old generation when heap is almost full
JDK-8346921	Remove unused arg in markWord::must_be_preserved

Issue ID	Summary
JDK-8346922	TestVectorReinterpret.java fails without the rvv extension on RISCv fastdebug VM
JDK-8346923	MetaspaceShared base calculation may cause overflow in align_up
JDK-8346924	TestVectorizationNegativeScale.java fails without the rvv extension on RISCv fastdebug VM
JDK-8346927	serviceability/dcmd/vm/[SystemMapTest.java SystemDumpMapTest.java] fail at jmx
JDK-8346929	runtime/ClassUnload/DictionaryDependsTest.java fails with "Test failed: should be unloaded"
JDK-8346931	Replace divisions by zero in sharedRuntimeTrans.cpp
JDK-8346948	Update CLDR to Version 47.0
JDK-8346953	Remove unnecessary @SuppressWarnings annotations (client, #2)
JDK-8346954	[JMH] jdk.incubator.vector.MaskedLogicOpts fails due to IndexOutOfBoundsException
JDK-8346965	Multiple compiler/ciReplay test fails with -XX:+SegmentedCodeCache
JDK-8346971	[ubsan] psCardTable.cpp:131:24: runtime error: large index is out of bounds

Issue ID	Summary
JDK-8346972	Test java/nio/channels/FileChannel/LoopingTruncat e.java fails sometimes with IOException: There is not enough space on the disk
JDK-8346981	Remove obsolete java.base exports of jdk.internal.objectweb.asm packages
JDK-8346983	Remove ASM-based transforms from Class- File API tests
JDK-8346984	Remove ASM-based benchmarks from Class- File API benchmarks
JDK-8346985	Convert test/jdk/com/sun/jdi/ClassUnloadEventTest.java to Class-File API
JDK-8346986	Remove ASM from java.base
JDK-8346989	C2: deoptimization and re-execution cycle with Math.*Exact in case of frequent overflow
JDK-8346990	Remove INTX_FORMAT and UINTX_FORMAT macros
JDK-8346993	C2 SuperWord: refactor to make more vector nodes available in VectorNode::make
JDK-8346998	Test nsk/jvmti/ResourceExhausted/resexhausted00 3 fails with java.lang.OutOfMemoryError when CDS is off

Issue ID	Summary
JDK-8347000	Bug in com/sun/net/httpserver/bugs/B6361557.java test
JDK-8347004	vmTestbase/metaspaces/shrink_grow/ShrinkGrowTest/ShrinkGrowTest.java fails with CDS disabled
JDK-8347006	LoadRangeNode floats above array guard in arraycopy intrinsic
JDK-8347008	beancontext package spec does not clearly explain why the API is deprecated
JDK-8347018	C2: Insertion of Assertion Predicates ignores the effects of PhaseIdealLoop::clone_up_backedge_goo()
JDK-8347019	Test javax/swing/JRadioButton/8033699/bug8033699.java still fails: Focus is not on Radio Button Single as Expected
JDK-8347038	[JMH] jdk.incubator.vector.SpiltReplicate fails NoClassDefFoundError
JDK-8347039	ThreadPerTaskExecutor terminates if cancelled tasks still running
JDK-8347040	C2: assert(!loop→_body.contains(in)) failed
JDK-8347042	Remove an extra parenthesis in macro definition in jfrTraceIdMacros.hpp

Issue ID	Summary
JDK-8347047	Cleanup action passed to MemorySegment::reinterpret keeps old segment alive
JDK-8347050	Console.readLine() drops '\' when reading through JLine
JDK-8347052	Update java man page documentation to reflect current state of the UseNUMA flag
JDK-8347058	When automatically translating the page to pt-br, all CSS styling disappears
JDK-8347063	Add comments in ClassFileFormatVersion for class file format evolution history
JDK-8347065	Add missing @spec tags for Java Security Standard Algorithm Names
JDK-8347083	Incomplete logging in nsk/jvmti/ResourceExhausted/resexhausted00* tests
JDK-8347094	Inline CollectedHeap::increment_total_full_collections
JDK-8347120	Launchers should not have java headers on include path
JDK-8347121	Add missing @serial tags to module java.base
JDK-8347122	Add missing @serial tags to module java.desktop
JDK-8347123	Add missing @serial tags to other modules

Issue ID	Summary
JDK-8347124	Clean tests with --enable-linkable-runtime
JDK-8347126	gc/stress/TestStressG1Uncommit.java gets OOM-killed
JDK-8347127	CTW fails to build after JDK-8334733
JDK-8347129	cpuset cgroups controller is required for no good reason
JDK-8347139	[macos] Test tools/jpackage/share/InOutPathTest.java failed: "execution error: Finder got an error: AppleEvent timed out."
JDK-8347141	Several javac tests compile with an unnecessary -Xlint:-path flag
JDK-8347143	[aix] Fix strdup use in os::dll_load
JDK-8347146	Convert IncludeLocalesPluginTest to use JUnit
JDK-8347147	[REDO] AccessFlags can be u2 in metadata
JDK-8347148	[BACKOUT] AccessFlags can be u2 in metadata
JDK-8347162	Update problemlist CR for vmTestbase/nsk/jdi/VMOutOfMemoryException
JDK-8347163	Javadoc error in ConstantPoolBuilder after JDK-8342468

Issue ID	Summary
JDK-8347171	(dc) java/nio/channels/DatagramChannel/InterruptibleOrNot.java fails with virtual thread factory
JDK-8347173	java/net/DatagramSocket/InterruptibleDatagramSocket.java fails with virtual thread factory
JDK-8347256	Epsilon: Demote heap size and AlwaysPreTouch warnings to info level
JDK-8347267	[macOS]: UnixOperatingSystem.c:67:40: runtime error: division by zero
JDK-8347268	[ubsan] logOutput.cpp:357:21: runtime error: applying non-zero offset 1 to null pointer
JDK-8347270	Remove unix_getParentPidAndTimings, unix_getChildren and unix_getCmdlineAndUserInfo
JDK-8347272	[ubsan] JvmLauncher.cpp:262:52: runtime error: applying non-zero offset 40 to null pointer
JDK-8347274	Gatherers.mapConcurrent exhibits undesired behavior under variable delays, interruption, and finishing
JDK-8347279	ProblemList TestEvilSyncBug.java#generational
JDK-8347286	(fs) Remove some extensions from java/nio/file/Files/probeContentType/Basic.java
JDK-8347287	JFR: Remove use of Security Manager

Issue ID	Summary
JDK-8347289	HKDF delayed provider selection failed with non-extractable PRK
JDK-8347295	Fix WinResourceTest to make it work with WiX v4.0+
JDK-8347296	WinInstallerUiTest fails in local test runs if the path to test work directory is longer than regular
JDK-8347297	Skip the RuntimeImageSymbolicLinksTest test on Windows when it is executed outside of the jreg
JDK-8347298	Bug in JPackageCommand.ignoreFakeRuntime()
JDK-8347299	Add annotations to test cases in LicenseTest
JDK-8347300	Don't exclude the "PATH" var from the environment when running app launchers in jpackage tests
JDK-8347302	Mark test tools/jimage/JImageToolTest.java as flagless
JDK-8347321	[ubsan] CGGlyphImages.m:553:30: runtime error: nan is outside the range of representable values of type 'unsigned long'
JDK-8347334	JimageDiffGenerator code clean-ups
JDK-8347335	ZGC: Use limitless mark stack memory
JDK-8347337	ZGC: String dedups short-lived strings

Issue ID	Summary
JDK-8347343	RISC-V: Unchecked zicntr csr reads
JDK-8347345	Remove redundant test policy file from ModelMBeanInfoSupport directory
JDK-8347346	Remove redundant ClassForName.java and test.policy from runtime/Dictionary
JDK-8347347	Build fails undefined symbol: __asan_init by clang17
JDK-8347348	Clarify that the HTTP server in jdk.httpserver module is not a full featured server
JDK-8347352	RISC-V: Cleanup bitwise AND assembler routines
JDK-8347366	RISC-V: Add extension asserts for CMO instructions
JDK-8347370	Unnecessary Hashtable usage in javax.swing.text.html.HTML
JDK-8347373	HTTP/2 flow control checks may count unprocessed data twice
JDK-8347375	Extra <p> tag in robot specification
JDK-8347376	tools/jlink/runtimeImage/JavaSERe reproducibleTest.java and PackagedModulesVsRuntimeImageLinkTest.java failed after JDK-8321413
JDK-8347377	Add validation checks for ICC_Profile header fields

Issue ID	Summary
JDK-8347379	Problem list failed tests after JDK-8321413
JDK-8347381	Upgrade jQuery UI to version 1.14.1
JDK-8347397	Cleanup of JDK-8169880
JDK-8347405	MergeStores with reverse bytes order value
JDK-8347406	[REDO] C1/C2 don't handle allocation failure properly during initialization (RuntimeStub::new_runtime_stub fatal crash)
JDK-8347407	[BACKOUT] C1/C2 don't handle allocation failure properly during initialization (RuntimeStub::new_runtime_stub fatal crash)
JDK-8347408	Create an internal method handle adapter for system calls with errno
JDK-8347422	Crash during safepoint handler execution with -XX:+UseAPX
JDK-8347424	Fix and rewrite sun/security/x509/DNSName/LeadingPeriod.java test
JDK-8347426	Invalid value used for enum Cell in iTypeFlow::StateVector::meet_exception
JDK-8347427	JTabbedPane/8134116/Bug8134116.java has no license header
JDK-8347428	Avoid using secret-key in specifications
JDK-8347431	Update ObjectMonitor comments

Issue ID	Summary
JDK-8347433	Deprecate XML interchange in java.management/javax/management/modelm bean/DescriptorSupport for removal
JDK-8347434	Richer VM operations events logging
JDK-8347449	C2: UseLoopPredicate off should also turn UseProfiledLoopPredicate off
JDK-8347459	C2: missing transformation for chain of shifts/multiplications by constants
JDK-8347471	Provide valid flags and mask in AccessFlag.Location
JDK-8347472	Correct Attribute traversal and writing for Code attributes
JDK-8347474	Options singleton is used before options are parsed
JDK-8347475	GTK: javax/swing/JColorChooser/Test8152419.java there are no swatches or RGB tab in JColorChooser
JDK-8347481	C2: Remove the control input of some nodes
JDK-8347482	Remove unused field in ParkEvent
JDK-8347489	RISC-V: Misaligned memory access with COH
JDK-8347491	IllegalArgumentationException thrown by ThreadPoolExecutor doesn't have a useful message

Issue ID	Summary
JDK-8347496	Test jdk/jfr/jvm/TestModularImage.java fails after JDK-8347124: No javac
JDK-8347498	JDK 24 RDP2 L10n resource files update
JDK-8347500	hsdis cannot be built with Capstone.next
JDK-8347501	Make static-launcher fails after JDK-8346669
JDK-8347506	Compatible OCSP readtimeout property with OCSP timeout
JDK-8347515	C2: assert(!success (C→macro_count() == (old_macro_count - 1))) failed: elimination must have deleted one node from macro list
JDK-8347530	Improve error message with invalid permits clauses
JDK-8347531	The signal tests are failing after JDK-8345782 due to an unrelated warning
JDK-8347554	[BACKOUT] C2: implement optimization for series of Add of unique value
JDK-8347562	javac crash due to type vars in permits clause
JDK-8347563	C2: clean up ModRefBarrierSetC2
JDK-8347564	ZGC: Crash in DependencyContext::clean_unloading_dependencies
JDK-8347566	Replace SSIZE_FORMAT with 'z' length modifier

Issue ID	Summary
JDK-8347570	Configure fails on macOS if directory name do not have correct case
JDK-8347576	Error output in libjsound has non matching format strings
JDK-8347596	Update HSS/LMS public key encoding
JDK-8347597	HttpClient: improve exception reporting when closing connection
JDK-8347605	Use spec tag to refer to IEEE 754 standard
JDK-8347606	Optimize Java implementation of ML-DSA
JDK-8347608	Optimize Java implementation of ML-KEM
JDK-8347609	Replace SIZE_FORMAT in os/os_cpu/cpu directories
JDK-8347613	Remove leftover doPrivileged call in Currency test: CheckDataVersion.java
JDK-8347617	Shenandoah: Use consistent name for update references phase
JDK-8347620	Shenandoah: Use 'free' tag for free set related logging
JDK-8347627	Compiler replay tests are failing after JDK-8346990
JDK-8347629	Test FailOverDirectExecutionControlTest.java fails with -Xcomp

Issue ID	Summary
JDK-8347645	C2: XOR bounded value handling blocks constant folding
JDK-8347646	module-info classfile missing the preview flag
JDK-8347706	jvmdiEnv.cpp has jvmdi includes out of order
JDK-8347712	IllegalStateException on multithreaded ZipFile access with non-UTF8 charset
JDK-8347718	Unexpected NullPointerException in C2 compiled code due to ReduceAllocationMerges
JDK-8347719	[REDO] Portable implementation of FORBID_C_FUNCTION and ALLOW_C_FUNCTION
JDK-8347720	[BACKOUT] Portable implementation of FORBID_C_FUNCTION and ALLOW_C_FUNCTION
JDK-8347721	Replace SIZE_FORMAT in compiler directories
JDK-8347724	Replace SIZE_FORMAT in jfr directory
JDK-8347727	Replace SIZE_FORMAT in shared gc
JDK-8347729	Replace SIZE_FORMAT in parallel and serial gc
JDK-8347730	Replace SIZE_FORMAT in g1
JDK-8347731	Replace SIZE_FORMAT in zgc
JDK-8347732	Replace SIZE_FORMAT in shenandoah

Issue ID	Summary
JDK-8347733	Replace SIZE_FORMAT in runtime code
JDK-8347734	Turning off PerfData logging doesn't work
JDK-8347740	java/io/File/createTempFile/SpecialTempFile.java failing
JDK-8347758	modules.cpp leaks string returned from get_numbered_property_as_sorted_string()
JDK-8347761	Test tools/jimage/JImageExtractTest.java fails after JDK-8303884
JDK-8347762	ClassFile attribute specification refers to non-SE modules
JDK-8347763	[doc] Add documentation of module options for JEP 483
JDK-8347779	sun/tools/jhsdb/HeapDumpTestWithActiveProcess.java fails with Unable to deduce type of thread from address
JDK-8347794	RISC-V: Add Zfhmin - Float cleanup
JDK-8347804	GenShen: Crash with small GCCardSizeInBytes and small Java heap
JDK-8347811	Container detection code for cgroups v2 should use cgroup.controllers
JDK-8347817	Timeouts running test/jdk/java/lang/String/concat/HiddenClassUnloading.java with fastdebug builds

Issue ID	Summary
JDK-8347825	Make IDEA ide support use proper build system mechanisms
JDK-8347826	Introspector shows wrong method list after 8071693
JDK-8347836	Disabled PopupMenu shows shortcuts on Mac
JDK-8347840	Fix testlibrary compilation warnings
JDK-8347841	Test fixes that use deprecated time zone IDs
JDK-8347842	ThreadPoolExecutor specification discusses RuntimePermission
JDK-8347847	Enhance jar file support
JDK-8347909	Automatic precompiled.hpp inclusion
JDK-8347911	Limit the length of inflated text chunks
JDK-8347916	Simplify javax.swing.text.html.CSS.LengthUnit.getValue
JDK-8347917	AArch64: Enable upper GPR registers in C1
JDK-8347922	Remove runtime/cds/appcds/customLoader/HelloCustom_JFR.java from ProblemList.txt
JDK-8347923	Parallel: Simplify compute_survivor_space_size_and_threshold

Issue ID	Summary
JDK-8347924	Replace SIZE_FORMAT in memory and metaspace
JDK-8347946	Add API note that caller should validate/trust signers to the getCertificates and getCodeSigners methods of JarEntry and JarURLConnection
JDK-8347949	Currency method to stream available Currencies
JDK-8347955	TimeZone methods to stream the available timezone IDs
JDK-8347958	Minor compiler cleanups relating to MandatoryWarningHandler
JDK-8347959	ThreadDumper leaks memory
JDK-8347965	(tz) Update Timezone Data to 2025a
JDK-8347981	RISC-V: Add Zfa zli imm loads
JDK-8347985	Deprecate java.management Permission classes for removal
JDK-8347987	Bad ifdef in 8330851
JDK-8347989	Trees.getScope may crash for not-yet attributed source
JDK-8347990	Remove SIZE_FORMAT macros and replace remaining uses

Issue ID	Summary
JDK-8347994	Add additional diagnostics to macOS failure handler to assist with diagnosing MCast test failures
JDK-8347995	Race condition in <code>jdk/java/net/httpclient/offline/FixedResponseHttpClient.java</code>
JDK-8347996	<code>JavaCompilation.gmk</code> should not include <code>ZipArchive.gmk</code>
JDK-8347997	<code>assert(false)</code> failed: EA: missing memory path
JDK-8348013	[doc] fix typo in <code>java.md</code> caused by JDK-8347763
JDK-8348028	Unable to run gtests with CDS enabled
JDK-8348029	Make gtest death tests work with real crash signals
JDK-8348038	Docs build failing in <code>Options.notifyListeners</code> with <code>AssertionError</code>
JDK-8348039	testmake fails at IDEA after JDK-8347825
JDK-8348040	Bad use of <code>ifdef</code> with <code>INCLUDE_xxx</code> GC macros
JDK-8348089	Serial: Remove virtual specifier in <code>SerialHeap</code>
JDK-8348092	Shenandoah: <code>assert(nk >= _lowest_valid_narrow_klass_id && nk <= _highest_valid_narrow_klass_id)</code> failed: narrowKlass ID out of range (3131947710)

Issue ID	Summary
JDK-8348102	java/net/httpclient/HttpClientSNITest.java fails intermittently
JDK-8348106	Catch C++ exception in Java_sun_awt_windows_WTaskbarPeer_setOverlayIcon
JDK-8348107	test/jdk/java/net/httpclient/HttpsTunnelAuthTest.java fails intermittently
JDK-8348108	Race condition in AggregatePublisher.AggregateSubscription
JDK-8348110	Update LCMS to 2.17
JDK-8348117	The two-argument overload of SignatureHandlerLibrary::add is not used
JDK-8348135	Fix couple of problem listing entries in test/hotspot/jtreg/ProblemList-Virtual.txt
JDK-8348169	Destruct values on free in Treap
JDK-8348170	Unnecessary Hashtable usage in CSS.styleConstantToCssMap
JDK-8348171	Refactor GenerationCounters and its subclasses
JDK-8348172	C2: Remove unused local variables in filter_helper() methods
JDK-8348180	Remove mention of include of precompiled.hpp from the HotSpot Style Guide

Issue ID	Summary
JDK-8348182	Remove DONT_USE_PRECOMPILED_HEADER
JDK-8348186	C1: Purge fpu_stack_size infrastructure
JDK-8348190	Framework for tracing makefile inclusion and parsing
JDK-8348195	More u2 conversion warnings after JDK-8347147
JDK-8348203	[JVMCI] Make eager JVMCI initialization observable in the debugger
JDK-8348205	Improve cutover time selection when building available currencies set
JDK-8348207	Linux PPC64 PCH build broken after JDK-8347909
JDK-8348212	Need to add warn() step to JavacTaskImpl after JDK-8344148
JDK-8348239	SA does not know about DeoptimizeObjectsALotThread
JDK-8348240	Remove SystemDictionaryShared::lookup_super_for_unregistered_class()
JDK-8348241	ZGC: Unnecessarily reinitialize ZFragmentationLimit's default value
JDK-8348261	assert(n→is_Mem()) failed: memory node required

Issue ID	Summary
JDK-8348263	C2 SuperWord: TestMemorySegment.java has failing IR rules with AlignVector after JDK-8343685
JDK-8348265	RMIConnectionImpl: Remove Subject.callAs on MarshallableObject
JDK-8348268	Test gc/shenandoah/TestResizeTLAB.java#compact : fatal error: Before Updating References: Thread C2 CompilerThread1: expected gc-state 9, actual 21
JDK-8348282	Add option for syntax highlighting in javadoc snippets
JDK-8348283	java.lang.classfile.components.snippets.PackageSnippets shipped in java.base.jmod
JDK-8348286	[AIX] clang 17 introduces new warning Wtentative-Definitions which produces Build errors
JDK-8348299	Update List/ItemEventTest/ItemEventTest.java
JDK-8348301	Remove unused Reference.waitForReferenceProcessing break-ins in tests
JDK-8348303	Remove repeated 'a' from ListSelectionEvent
JDK-8348308	Make fields of ListSelectionEvent final
JDK-8348309	MultiNST tests need more debugging and timing

Issue ID	Summary
JDK-8348322	AOT cache creation crashes with "All cached hidden classes must be aot-linkable" when AOTInvokeDynamicLinking is disabled
JDK-8348323	Corrupted timezone string in JVM crash log
JDK-8348324	The failure handler cannot be build by JDK 24 due to restricted warning
JDK-8348327	Incorrect march flag when building libsleef/vector_math_neon.c
JDK-8348328	Update IANA Language Subtag Registry to Version 2025-05-15
JDK-8348347	Cleanup JavaThread subclass support in SA
JDK-8348348	Remove unnecessary <code>#ifdef STATIC_BUILD</code> around <code>DEF_STATIC_JNI_OnLoad</code> from <code>zip_util.c</code>
JDK-8348349	Refactor <code>CDSConfig::is_dumping_heap()</code>
JDK-8348351	Improve lazy initialization of the available currencies set
JDK-8348365	Bad format string in <code>CLDRDisplayNamesTest</code>
JDK-8348367	Remove <code>hotspot_not_fast_compiler</code> and <code>hotspot_slow_compiler</code> test groups
JDK-8348384	RISC-V: Disable auto-enable Vector on buggy kernels
JDK-8348387	Add <code>fixpath</code> if needed for user-supplied tools

Issue ID	Summary
JDK-8348388	Incorrect copyright header in TestFluidAndNonFluid.java
JDK-8348391	Keep case if possible for TOPDIR
JDK-8348392	Make claims "other matches are possible" even when that is not true
JDK-8348400	GenShen: assert(ShenandoahHeap::heap() → is_full_gc_in_progress() (used_regions_size() ≤ _max_capacity)) failed: Cannot use more than capacity #
JDK-8348401	[IR Framework] PrintTimes should not require verbose
JDK-8348402	PerfDataManager stalls shutdown for 1ms
JDK-8348406	Remove tests GrantAllPermToExtWhenNoPolicy and PrincipalExpansionError from problem list
JDK-8348410	Preview flag not checked during compilation resulting in runtime crash
JDK-8348411	C2: Remove the control input of LoadKlassNode and LoadNKlassNode
JDK-8348420	Shenandoah: Check is_reserved before using ReservedSpace instances
JDK-8348426	Generate binary file for -XX:AOTMode=record -XX:AOTConfiguration=file

Issue ID	Summary
JDK-8348427	DeferredLintHandler API should use JCTree instead of DiagnosticPosition
JDK-8348429	Update cross-compilation devkits to Fedora 41/gcc 13.2
JDK-8348430	Update jfr tests to allow execution with different vm flags
JDK-8348515	Add docs for -XX:AOT* options in java man pages
JDK-8348520	[s390x] Problemlist TestVectorReinterpret.java
JDK-8348536	Remove remain SIZE_FORMAT usage after JDK-8347990
JDK-8348554	Enhance Linux kernel version checks
JDK-8348561	Add aarch64 intrinsics for ML-DSA
JDK-8348562	ZGC: segmentation fault due to missing node type check in barrier elision analysis
JDK-8348567	[ASAN] Memory access partially overflows by NativeCallStack
JDK-8348570	CTW: Expose the code hidden by uncommon traps
JDK-8348572	C2 compilation asserts due to unexpected irreducible loop
JDK-8348575	SpinLockT is typedef'ed but unused

Issue ID	Summary
JDK-8348582	Set -fstack-protector when building with clang
JDK-8348586	Optionally silence make warnings about non-control variables
JDK-8348594	Shenandoah: Do not penalize for degeneration when not the fault of triggering heuristic
JDK-8348595	GenShen: Fix generational free-memory no-progress check
JDK-8348596	Update FreeType to 2.13.3
JDK-8348597	Update HarfBuzz to 10.4.0
JDK-8348598	Update Libpng to 1.6.47
JDK-8348600	Update PipeWire to 1.3.81
JDK-8348610	GenShen: TestShenandoahEvacuationInformationEvent failed with setRegions >= regionsFreed: expected 1 >= 57
JDK-8348631	Crash in PredictedCallGenerator::generate after JDK-8347006
JDK-8348638	Performance regression in Math.tanh
JDK-8348645	IGV: visualize live ranges
JDK-8348647	CDS dumping commits 3GB when large pages are used

Issue ID	Summary
JDK-8348648	Unnecessary Hashtable usage in javax.swing.text.html.CSS.LengthUnit
JDK-8348657	compiler/loopopts/superword/TestEquivalentIn variants.java timed out
JDK-8348658	[AArch64] The node limit in compiler/codegen/TestMatcherClone.java is too strict
JDK-8348659	AArch64: IR rule failure with compiler/loopopts/superword/TestSplitPacks.java
JDK-8348663	[AIX] clang pollutes the burned-in library search paths of the generated executables
JDK-8348668	Prevent first resource cleanup in confined arena from escaping
JDK-8348675	TrayIcon tests fail in Ubuntu 24.10 Wayland
JDK-8348678	[PPC64] C2: unaligned vector load/store is ok
JDK-8348687	[BACKOUT] C2: Non-fluid StringBuilder pattern bails out in OptoStringConcat
JDK-8348732	SunJCE and SunPKCS11 have different PBE key encodings
JDK-8348752	Enable -XX:+AOTClassLinking by default when -XX:AOTMode is specified

Issue ID	Summary
JDK-8348760	RadioButton is not shown if JRadioButtonMenuItem is rendered with ImageIcon in WindowsLookAndFeel
JDK-8348800	Many serviceability/sa tests failing after JDK-8348239
JDK-8348829	Remove ObjectMonitor perf counters
JDK-8348830	LIBFONTMANAGER optimization is always HIGHEST
JDK-8348853	Fold layout helper check for objects implementing non-array interfaces
JDK-8348865	JButton/bug4796987.java never runs because Windows XP is unavailable
JDK-8348870	Eliminate array bound checks in DecimalDigits
JDK-8348880	Replace ConcurrentMap with AtomicReferenceArray for ZoneOffset.QUARTER_CACHE
JDK-8348887	Create IR framework test for JDK-8347997
JDK-8348888	tier1 closed build failure on Windows after JDK-8348348
JDK-8348890	Fix docs for -XX:AOT* options in java man page
JDK-8348892	Properly fix compilation error for zip_util.c on Windows

Issue ID	Summary
JDK-8348898	Remove unused OctalDigits to clean up code
JDK-8348905	Add support to specify the JDK for compiling Jtreg tests
JDK-8348906	InstanceOfTree#getType doesn't specify when it returns null
JDK-8348907	Stress times out when is executed with ZGC
JDK-8348909	[BACKOUT] Implement a better allocator for downcalls
JDK-8348928	Check for case label validity are misbehaving when binding patterns with unnamed bindings are present
JDK-8348936	[Accessibility,macOS,VoiceOver] VoiceOver doesn't announce untick on toggling the checkbox with "space" key on macOS
JDK-8348967	Deprecate security permission classes for removal
JDK-8348975	Broken links in the JDK 24 JavaDoc API documentation, build 33
JDK-8348976	MemorySegment::reinretpret should be force inlined
JDK-8348986	Improve coverage of enhanced exception messages
JDK-8348989	Better Glyph drawing

Issue ID	Summary
JDK-8348998	Split out PreInit.gmk from Init.gmk
JDK-8349000	Performance improvement for Currency.isPastCutoverDate(String)
JDK-8349002	GenShen: Deadlock during shutdown
JDK-8349003	NativeCallStack::print_on() output is unreadable
JDK-8349006	File.getCanonicalPath should remove "(on UNIX platforms)" from its specification
JDK-8349007	The jtreg test ResolvedMethodTableHash takes excessive time
JDK-8349009	JVM fails to start when AOTClassLinking is used with unverifiable old classes
JDK-8349017	Update ML tests to verify against ACVP 1.1.0.38 version
JDK-8349032	C2: Parse Predicate refactoring in Loop Unswitching broke fix for JDK-8290850
JDK-8349039	Adjust exception No type named <ThreadType> in database
JDK-8349040	Test compiler/inlining/LateInlinePrinting.java fails after JDK-8319850
JDK-8349058	'internal proprietary API' warnings make javac warnings unusable

Issue ID	Summary
JDK-8349070	Fix riscv and ppc build errors caused by JDK-8343767
JDK-8349075	Once again allow -compilejdk in JAVA_OPTIONS
JDK-8349084	Update vectors used in several PQC benchmarks
JDK-8349088	De-virtualize Codeblob and nmethod
JDK-8349092	File.getFreeSpace violates specification if quotas are in effect (win)
JDK-8349094	GenShen: Race between control and regulator threads may violate assertions
JDK-8349099	java/awt/Headless/HeadlessMalfunctionTest.java fails on CI with Compilation error
JDK-8349101	Problemist HeadlessMalfunctionTest.java
JDK-8349102	Test compiler/arguments/TestCodeEntryAlignment.java failed: assert(allocates2(pc)) failed: not in CodeBuffer memory
JDK-8349106	Change ChaCha20 intrinsic to use quarter-round parallel implementation on aarch64
JDK-8349107	Remove RMI finalizers
JDK-8349111	Enhance Swing supports

Issue ID	Summary
JDK-8349121	SSLParameters.setApplicationProtocols() ALPN example could be clarified
JDK-8349122	-XX:+AOTClassLinking is not compatible with jdwp
JDK-8349130	Problem list TestCodeEntryAlignment.java
JDK-8349132	javac Analyzers should handle non-deferrable errors
JDK-8349135	Add tests for HttpRequest.Builder.copy()
JDK-8349139	C2: Div loses dependency on condition that guarantees divisor not zero in counted loop
JDK-8349140	Size optimization (opt-size) build fails after recent PCH changes
JDK-8349142	[JMH] compiler.MergeLoadBench.getCharBV fails
JDK-8349143	All make control variables need special propagation
JDK-8349145	Make Class.getProtectionDomain() non-native
JDK-8349146	[REDO] Implement a better allocator for downcalls
JDK-8349150	Support precompiled headers on AIX
JDK-8349151	Refactor test/java/security/cert/CertificateFactory/slowst ream.sh to java test

Issue ID	Summary
JDK-8349155	The "log" parameter to <code>Lint.logIfEnabled()</code> is not needed
JDK-8349178	<code>runtime/jni/atExit/TestAtExit.java</code> should be supported on static JDK
JDK-8349180	Remove redundant initialization in <code>ciField</code> constructor
JDK-8349183	[BACKOUT] Optimization for <code>StringBuilder</code> append boolean & null
JDK-8349184	[JMH] <code>jdk.incubator.vector.ColumnFilterBenchmark.filterDoubleColumn</code> fails on linux-aarch64
JDK-8349193	<code>compiler/intrinsics/TestContinuationPinningAndEA.java</code> missing <code>@requires vm.continuations</code>
JDK-8349200	[JMH] <code>time.format.ZonedDateTimeFormatterBenchmark</code> fails
JDK-8349206	<code>j.u.l.Handler</code> classes create deadlock risk via <code>synchronized publish()</code> method
JDK-8349211	Add support for intrusive trees to the utilities red-black tree
JDK-8349213	G1: Clearing bitmaps during collection set merging not claimed by region
JDK-8349214	Improve size optimization flags for MSVC builds

Issue ID	Summary
JDK-8349238	Some more FFM benchmarks are broken
JDK-8349239	[BACKOUT] Reuse StringLatin1::putCharsAt and StringUTF16::putCharsAt
JDK-8349254	Disable "best-fit" mapping on Windows environment variables
JDK-8349284	Make libExplicitAttach work on static JDK
JDK-8349343	Add missing copyright messages in FFM benchmarks
JDK-8349344	Clarify documentation of Arena.ofConfined
JDK-8349348	Refactor ClassLoaderDeadlock.sh and Deadlock.sh to run fully in java
JDK-8349350	Unable to print using InputSlot and OutputBin print attributes at the same time
JDK-8349351	Combine Screen Inset Tests into a Single File
JDK-8349358	[JMH] Cannot access class jdk.internal.vm.ContinuationScope
JDK-8349361	C2: RShiftL should support all applicable transformations that RShiftI does
JDK-8349369	test/docs/jdk/javadoc/doccheck/checks/jdkCheckLinks.java did not report on missing man page files
JDK-8349374	[JVMCI] concurrent use of HotSpotSpeculationLog can crash

Issue ID	Summary
JDK-8349375	Cleanup AIX special file build settings
JDK-8349378	Build splashscreen lib with SIZE optimization
JDK-8349383	(fs) FileTreeWalker.next() superfluous null check of visit() return value
JDK-8349399	GHA: Add static-jdk build on linux-x64
JDK-8349400	Improve startup speed via eliminating nested classes
JDK-8349405	Redundant and confusing null checks on data from CP::resolved_klasses
JDK-8349417	Fix NULL usage from JDK-8346433
JDK-8349428	RISC-V: "bad alignment" with -XX: -AvoidUnalignedAccesses after JDK-8347489
JDK-8349465	[UBSAN] test_os_reserve_between.cpp reported applying non-zero offset to null pointer
JDK-8349467	INIT_TARGETS tab completions on "make" lost with JDK-8348998
JDK-8349475	Test tools/javac/api/TestJavacTaskWithWarning.java writes files in src dir
JDK-8349479	C2: when a Type node becomes dead, make CFG path that uses it unreachable

Issue ID	Summary
JDK-8349492	Update sun/security/pkcs12/KeytoolOpensslInteropTest .java to use a recent Openssl version
JDK-8349493	Replace sun.util.locale.ParseStatus usage with java.text.ParsePosition
JDK-8349501	Relocate supporting classes in security/testlibrary to test/lib/jdk tree
JDK-8349504	Support platform-specific JUnit tests in jpackage
JDK-8349508	runtime/cds/appcds/TestParallelGCWithCDS.java should not check for specific output
JDK-8349509	[macos] Clean up macOS dead code in jpackage
JDK-8349511	[BACKOUT] Framework for tracing makefile inclusion and parsing
JDK-8349512	Duplicate PermittedSubclasses entries with doclint enabled
JDK-8349513	Remove unused BUILD_JDK_JTREG_LIBRARIES_JDK_LIBS_libTracePinnedThreads
JDK-8349515	[REDO] Framework for tracing makefile inclusion and parsing
JDK-8349516	StAXStream2SAX.handleCharacters() fails on empty CDATA

Issue ID	Summary
JDK-8349522	AArch64: Add backend implementation for new unsigned and saturating vector operations
JDK-8349523	Unused runtime calls to drem/frem should be removed
JDK-8349525	RBTtree: provide leftmost, rightmost, and a simple way to print trees
JDK-8349532	Refactor ./util/Pem/encoding.sh to run in java
JDK-8349533	Refactor validator tests shell files to java
JDK-8349534	Refactor jdk/sun/security/krb5/runNameEquals.sh to java test
JDK-8349537	Bad copyright in TestArrayStructs.java
JDK-8349551	Failures in tests after JDK-8345625
JDK-8349554	[UBSAN] os::attempt_reserve_memory_between reported applying non-zero offset to non-null pointer produced null pointer
JDK-8349556	RISC-V: improve the performance when -COH and -AvoidUnalignedAccesses for UL and LU string comparison
JDK-8349559	Compiler interface doesn't need to store protection domain
JDK-8349564	Clean warnings found in jpackage tests when building them with -Xlint:all

Issue ID	Summary
JDK-8349571	Remove JavaThreadFactory interface from SA
JDK-8349579	jsvml.dll incorrect RDATA SEGMENT specification
JDK-8349580	Do not use address in MemTracker top level functions
JDK-8349582	APX NDD code generation for OpenJDK
JDK-8349583	Add mechanism to disable signature schemes based on their TLS scope
JDK-8349584	Improve compiler processing
JDK-8349594	Enhance TLS protocol support
JDK-8349620	Add VMProps for static JDK
JDK-8349623	[ASAN] Gtest os_linux.glibc_mallinfo_wrapper_vm fails
JDK-8349624	Validation for slot missing in CodeBuilder local variable instructions
JDK-8349632	RISC-V: Add Zfa fminm/fmaxm
JDK-8349637	Integer.numberOfLeadingZeros outputs incorrectly in certain cases
JDK-8349639	jfr/event/gc/detailed/TestShenandoahEvacuationInformationEvent.java fails to compile after JDK-8348610

Issue ID	Summary
JDK-8349648	Test tools/jpackage/share/JLinkOptionsTest.java fails with --enable-linkable-runtime set after JDK-8346434
JDK-8349652	Rewire nmethod oop load barriers
JDK-8349653	Clarify the docs for MemorySegment::reinterpret
JDK-8349662	SSLTube SSLSubscriptionWrapper has potential races when switching subscriptions
JDK-8349664	HEX dump should always use ASCII or ISO_8859_1
JDK-8349665	Make clean removes module-deps.gmk
JDK-8349666	RISC-V: enable superwords tests for vector reductions
JDK-8349684	Remove SA core file tests from problem list for macosx-x64
JDK-8349686	[s390x] C1: Improve Class.isInstance intrinsic
JDK-8349688	G1: Wrong initial optional region index when selecting candidates from retained regions
JDK-8349689	Several virtual thread tests missing /native keyword
JDK-8349699	XSL transform fails with certain UTF-8 characters on 1024 byte boundaries

Issue ID	Summary
JDK-8349702	jdk.internal.net.http.Http2Connection::putStream needs to provide cause while cancelling stream
JDK-8349705	java.net.URI.scanIPv4Address throws unnecessary URISyntaxException
JDK-8349721	Add aarch64 intrinsics for ML-KEM
JDK-8349723	Problem list jdp tests for macosx-x64
JDK-8349727	[PPC] C1: Improve Class.isInstance intrinsic
JDK-8349751	AIX build failure after upgrade pipewire to 1.3.81
JDK-8349752	Tier1 build failure caused by JDK-8349178
JDK-8349753	Incorrect use of CodeBlob::is_buffer_blob() in few places
JDK-8349754	Invalid "early reference" error when class extends an outer class
JDK-8349755	Fix corner case issues in async UL
JDK-8349759	Add unit test for CertificateBuilder and SimpleOCSPServer test utilities
JDK-8349764	RISC-V: C1: Improve Class.isInstance intrinsic
JDK-8349766	GenShen: Bad progress after degen does not always need full gc

Issue ID	Summary
JDK-8349771	Replace usages of -mx and -ms in some monitor tests
JDK-8349780	AIX os::get_summary_cpu_info support Power 11
JDK-8349781	make test TEST=gtest fails on WSL
JDK-8349783	g1RemSetSummary.cpp:344:68: runtime error: member call on null pointer of type 'struct G1HeapRegion'
JDK-8349787	java/lang/Thread/virtual/ThreadPollOnYield.java#default passes unexpectedly without libVThreadPinner.so
JDK-8349812	(fs) Files.newByteChannel with empty path name and CREATE_NEW throws unexpected exception
JDK-8349813	Test behavior of limiting() on RS operators throwing exceptions
JDK-8349820	Temporarily increase MemLimit for tests until JDK-8349772 and JDK-8337821 are fixed
JDK-8349836	G1: Improve group prediction log message
JDK-8349849	PKCS11 SunTlsKeyMaterial crashes when used with TLS1.2 TlsKeyMaterialParameterSpec
JDK-8349851	RISC-V: Call VM leaf can use movptr2
JDK-8349858	Print compilation task before blocking compiler thread for shutdown

Issue ID	Summary
JDK-8349859	Support static JDK in libfontmanager/freetypeScaler.c
JDK-8349860	Make Class.isArray(), Class.isInterface() and Class.isPrimitive() non-native
JDK-8349868	Remove unneeded libjava shared library dependency from jtreg test libNewDirectByteBuffer, libDirectIO and libInheritedChannel
JDK-8349873	StackOverflowError after JDK-8342550 if -Duser.timezone= is set to a deprecated zone id
JDK-8349874	Missing comma in copyright from JDK-8349689
JDK-8349883	Locale.LanguageRange.parse("-") throws ArrayIndexOutOfBoundsException
JDK-8349888	AOTMode=create crashes with EpsilonGC
JDK-8349890	Option -Djava.security.debug=x509,ava breaks special chars
JDK-8349906	G1: Improve initial survivor rate for newly used young regions
JDK-8349907	jdk.tools.jlink.internal.plugins.ZipPlugin does not close the Deflater in exceptional cases
JDK-8349908	RISC-V: C2 SelectFromTwoVector

Issue ID	Summary
JDK-8349909	jdk.internal.jimage.decompressor.ZipDecompressor does not close the Inflater in exceptional cases
JDK-8349915	CTW: Lots of level 3 compiles are done at level 2 after JDK-8348570
JDK-8349921	Crash in codeBuffer.cpp:1004: guarantee(sect→end() ≤ tend) failed: sanity
JDK-8349923	Refactor StackMapTable constructor and StackMapReader
JDK-8349925	[REDO] Support static JDK in libfontmanager/freetypeScaler.c
JDK-8349926	[BACKOUT] Support static JDK in libfontmanager/freetypeScaler.c
JDK-8349927	Waiting for compiler termination delays shutdown for 10+ ms
JDK-8349932	PSPrinterJob sometimes generates unnecessary PostScript commands
JDK-8349933	Mixing of includes and snippets stack causes the wrong -post snippet to be included
JDK-8349934	Wrong file regex for copyright header format check in .jcheck/conf
JDK-8349943	[JMH] Use jvmArgs consistently
JDK-8349953	Avoid editing AOTConfiguration file in "make test JTREG=AOT_JDK=true"

Issue ID	Summary
JDK-8349959	Test CR6740048.java passes unexpectedly missing CR6740048.xsd
JDK-8349977	JVMCIRuntime::_shared_library_javavm_id should be jlong
JDK-8349984	(jdeps) jdeps can use String.repeat instead of String.replaceAll
JDK-8349988	Change cgroup version detection logic to not depend on /proc/cgroups
JDK-8349991	GraphUtils.java can use String.replace() instead of String.replaceAll()
JDK-8350006	IGV: show memory slices as type information
JDK-8350007	Add usage message to the javadoc executable
JDK-8350011	Convert jpackage test lib tests in JUnit format
JDK-8350013	Add a test for JDK-8150442
JDK-8350019	HttpClient: DelegatingExecutor should resort to the fallback executor only on RejectedExecutionException
JDK-8350029	Illegal invokespecial interface not caught by verification
JDK-8350041	Skip test/jdk/java/lang/String/nativeEncoding/StringPlatformChars.java on static JDK

Issue ID	Summary
JDK-8350049	[JMH] Float16OperationsBenchmark fails java.lang.NoClassDefFoundError
JDK-8350051	[JMH] Several tests fails NPE
JDK-8350086	Inline hot Method accessors for faster task selection
JDK-8350093	RISC-V: java/math/BigInteger/LargeValueExceptions.ja va timeout with COH
JDK-8350094	Linux gcc 13.2.0 build fails when ubsan is enabled
JDK-8350095	RISC-V: Refactor string_compare
JDK-8350098	jpackage test lib erroneously will run methods without @Test annotation as tests
JDK-8350102	Decouple jpackage test-lib Executor.Result and Executor classes
JDK-8350103	Test containers/systemd/SystemdMemoryAwarenes sTest.java fails on Linux ppc64le SLES15 SP6
JDK-8350106	[PPC] Avoid ticks_unknown_not_Java AsyncGetCallTrace() if JavaFrameAnchor::_last_Java_pc not set
JDK-8350111	[PPC] AsyncGetCallTrace crashes when called while handling SIGTRAP
JDK-8350118	Simplify the layout access VarHandle

Issue ID	Summary
JDK-8350126	Regression ~3% on Crypto-ChaCha20Poly1305.encrypt for MacOSX aarch64
JDK-8350137	After JDK-8348975, Linux builds contain man pages for windows only tools
JDK-8350147	Replace example in KEM class with the one from JEP 452
JDK-8350148	Native stack overflow when writing Java heap objects into AOT cache
JDK-8350151	Support requires property to filter tests incompatible with --enable-preview
JDK-8350159	compiler/tiered/Level2RecompilationTest.java fails after JDK-8349915
JDK-8350162	ProblemList compiler/tiered/Level2RecompilationTest.java
JDK-8350177	C2 SuperWord: Integer.numberOfLeadingZeros, numberOfTrailingZeros, reverse and bitCount have input types wrongly truncated for byte and short
JDK-8350178	Incorrect comment after JDK-8345580
JDK-8350182	[s390x] Relativize locals in interpreter frames
JDK-8350194	Last 2 parameters of ReturnNode::ReturnNode are swapped in the declaration

Issue ID	Summary
JDK-8350197	[UBSAN] Node::dump_idx reported float-cast-overflow
JDK-8350201	Out of bounds access on Linux aarch64 in os::print_register_info
JDK-8350202	Tune for Power10 CPUs on Linux ppc64le
JDK-8350203	[macos] Newlines and tabs are not ignored when drawing text to a Graphics2D object
JDK-8350209	Preserve adapters in AOT cache
JDK-8350210	CTW: Use stackless exceptions
JDK-8350211	CTW: Attempt to preload all classes in constant pool
JDK-8350214	Test gtest/AsyncLogGtest.java fails after JDK-8349755
JDK-8350224	Test javax/swing/JComboBox/TestComboBoxComponentRendering.java fails in ubuntu 23.x and later
JDK-8350258	AArch64: Client build fails after JDK-8347917
JDK-8350260	Improve HTML instruction formatting in PassFailJFrame
JDK-8350263	JvmciNotifyBootstrapFinishedEventTest intermittently times out

Issue ID	Summary
JDK-8350266	[PPC64] Interpreter: intrinsify Thread.currentThread()
JDK-8350267	Set mtune and mcpu settings in JDK native lib compilation on Linux ppc64(le)
JDK-8350279	HttpClient: Add a new HttpResponse method to identify connections
JDK-8350280	The JDK-8346050 testlibrary changes break the build
JDK-8350285	Shenandoah: Regression caused by ShenandoahLock under extreme contention
JDK-8350287	Cleanup SA's support for CodeBlob subclasses
JDK-8350303	ARM32: StubCodeGenerator::verify_stub(StubGenStubId) failed after JDK-8343767
JDK-8350308	[s390x] Relativize last_sp (and top_frame_sp) in interpreter frames
JDK-8350313	Include timings for leaving safepoint in safepoint logging
JDK-8350314	Shenandoah: Capture thread state sync times in GC timings
JDK-8350325	[PPC64] ConvF2HFIdealizationTests timeouts on Power8

Issue ID	Summary
JDK-8350329	C2: Div loses dependency on condition that guarantees divisor not zero in counted loop after peeling
JDK-8350344	Cross-build failure: _vptr name conflict
JDK-8350383	Test: add more test case for string compare (UL case)
JDK-8350386	Test TestCodeCacheFull.java fails with option -XX:-UseCodeCacheFlushing
JDK-8350398	[s390x] Relativize initial_sp/monitors in interpreter frames
JDK-8350429	runtime/NMT/CheckForProperDetailStackTrace.java should only run for debug JVM
JDK-8350441	ZGC: Overhaul Page Allocation
JDK-8350442	Update copyright
JDK-8350443	GHA: Split static-libs-bundles into a separate job
JDK-8350444	Check for verifier error in StackMapReader::check_offset()
JDK-8350456	Test javax/crypto/CryptoPermissions/InconsistentEntries.java crashed: EXCEPTION_ACCESS_VIOLATION
JDK-8350457	Implement JEP 519: Compact Object Headers

Issue ID	Summary
JDK-8350459	MontgomeryIntegerPolynomialP256 multiply intrinsic with AVX2 on x86_64
JDK-8350460	org.openjdk.bench.vm.floatingpoint.DremFrem JMH fails with -ea
JDK-8350462	MethodTypeForm.LF_INTERPRET can cache the MemberName instead
JDK-8350463	AArch64: Add vector rearrange support for small lane count vectors
JDK-8350464	The flags to set the native priority for the VMThread and Java threads need a broader range
JDK-8350471	Unhandled compilation bailout in GraphKit::builtin_throw
JDK-8350476	Fix typo introduced in JDK-8350147
JDK-8350480	RISC-V: Relax assertion about registers in C2_MacroAssembler::minmax_fp
JDK-8350482	[s390x] Relativize esp in interpreter frames
JDK-8350483	AArch64: turn on signum intrinsics by default on Ampere CPUs
JDK-8350485	C2: factor out common code in Node::grow() and Node::out_grow()
JDK-8350497	os::create_thread unify init thread attributes part across UNIX platforms

Issue ID	Summary
JDK-8350498	Remove two Camerfirma root CA certificates
JDK-8350499	Minimal build fails with slowdebug builds
JDK-8350516	Update model numbers for ECore-based cpus
JDK-8350518	org.openjdk.bench.java.util.TreeMapUpdate.compute fails with "java.lang.IllegalArgumentException: key out of range"
JDK-8350524	Some hotspot/jtreg/serviceability/dcmd/vm tier1 tests fail on static JDK
JDK-8350542	Optional.orElseThrow(Supplier) does not specify behavior when supplier returns null
JDK-8350546	Several java/net/InetAddress tests fails UnknownHostException
JDK-8350548	java.lang.classfile package javadoc has errors
JDK-8350549	MethodHandleProxies.WRAPPER_TYPES is not thread-safe
JDK-8350563	C2 compilation fails because PhaseCCP does not reach a fixpoint
JDK-8350565	NMT: remaining memory flag/type to be replaced with memory tag
JDK-8350566	NMT: add size parameter to MemTracker::record_virtual_memory_tag

Issue ID	Summary
JDK-8350567	NMT: update VMATree::register_mapping to copy the existing tag of the region
JDK-8350571	Remove mention of Tonga test suite from JMX tests
JDK-8350572	ZGC: Enhance z_verify_safepoints_are_blocked interactions with VMError
JDK-8350577	Fix missing Assertion Predicates when splitting loops
JDK-8350578	Refactor useless Parse and Template Assertion Predicate elimination code by using a PredicateVisitor
JDK-8350579	Remove Template Assertion Predicates belonging to a loop once it is folded away
JDK-8350582	Correct the parsing of the ssl value in javax.net.debug
JDK-8350584	Check the usage of LOG_PLEASE
JDK-8350585	InlineSecondarySupersTest must be guarded on ppc64 by COMPILER2
JDK-8350589	Investigate cleaner implementation of AArch64 ML-DISA intrinsic introduced in JDK-8348561
JDK-8350594	Misleading warning about install dir for DMG packaging
JDK-8350595	jshell <TAB> completion on arrays does not work for clone()

Issue ID	Summary
JDK-8350601	Miscellaneous updates to jpackage test lib
JDK-8350605	<code>assert(!heap→is_uncommit_in_progress())</code> failed: Cannot uncommit bitmaps while resetting them
JDK-8350607	Consolidate <code>MethodHandles::zero</code> into <code>MethodHandles::constant</code>
JDK-8350609	Cleanup unknown unwind opcode (0xB) for windows
JDK-8350614	[JMH] <code>jdk.incubator.vector.VectorCommutativeOperS</code> <code>haringBenchmark</code> fails
JDK-8350616	Skip <code>ValidateHazardPtrsClosure</code> in non-debug builds
JDK-8350623	Fix <code>-Wzero-as-null-pointer-constant</code> warnings in <code>nsk</code> native test utilities
JDK-8350636	Potential null-pointer dereference in <code>MallocSiteTable::new_entry</code>
JDK-8350638	Make keyboard navigation more usable in API docs
JDK-8350642	Interpreter: Upgrade <code>CountBytecodes</code> to 64 bit on 64 bit platforms
JDK-8350643	G1: Make loop iteration variable type correspond to limit in <code>G1SurvRateGroup</code>

Issue ID	Summary
JDK-8350646	Calendar.Builder.build() Throws ArrayIndexOutOfBoundsException
JDK-8350649	Class unloading accesses/resurrects dead Java mirror after JDK-8346567
JDK-8350654	(fs) Files.createTempDirectory should say something about the default file permissions when no file attributes specified
JDK-8350661	PKCS11 HKDF throws ProviderException when requesting a 31-byte AES key
JDK-8350663	AArch64: Enable UseSignumIntrinsic by default
JDK-8350665	SIZE_FORMAT_HEX macro undefined in gtest
JDK-8350666	cmp-baseline builds fail after JDK-8280682
JDK-8350667	Remove startThread_lock() and _startThread_lock on AIX
JDK-8350668	has_extra_module_paths in filemap.cpp may be uninitialized
JDK-8350682	[JMH] vector.IndexInRangeBenchmark failed with IndexOutOfBoundsException for size=1024
JDK-8350683	Non-C2 / minimal JVM crashes in the build on ppc64 platforms
JDK-8350689	Turn on timestamp and thread metadata by default for java.security.debug

Issue ID	Summary
JDK-8350701	[JMH] test foreign.AllocFromSliceTest failed with Exception for size>1024
JDK-8350703	Add standard system property stdin.encoding
JDK-8350704	Create tests to ensure the failure behavior of core reflection APIs
JDK-8350705	[JMH] test security.SSLHandshake failed for 2 threads configuration
JDK-8350716	[s390] intrinsify Thread.currentThread()
JDK-8350723	RISC-V: debug.cpp help() is missing riscv line for pns
JDK-8350748	VectorAPI: Method "checkMaskFromIndexSize" should be force inlined
JDK-8350749	Upgrade JLine to 3.29.0
JDK-8350753	Deprecate UseCompressedClassPointers
JDK-8350756	C2 SuperWord Multiversioning: remove useless slow loop when the fast loop disappears
JDK-8350758	G1: Use actual last prediction in accumulated survivor rate prediction too
JDK-8350765	Need to pin when accessing thread container from virtual thread
JDK-8350767	Fix -Wzero-as-null-pointer-constant warnings in nsk jni stress tests

Issue ID	Summary
JDK-8350770	[BACKOUT] Protection zone for easier detection of accidental zero-nKlass use
JDK-8350771	Fix -Wzero-as-null-pointer-constant warning in nsk/monitoring ThreadController utility
JDK-8350774	Generated test-<testname> targets broken after JDK-8348998
JDK-8350786	Some java/lang jtreg tests miss requires vm.hasJFR
JDK-8350801	Add a code signing hook to the JDK build system
JDK-8350807	Certificates using MD5 algorithm that are disabled by default are incorrectly allowed in TLSv1.3 when re-enabled
JDK-8350808	Small typos in JShell method SnippetEvent.toString()
JDK-8350811	[JMH] test foreign.StrLenTest failed with StringIndexOutOfBoundsException for size=451
JDK-8350813	Rendering of bulky sound bank from MIDI sequence can cause OutOfMemoryError
JDK-8350818	Improve OperatingSystemMXBean cpu load tests to not accept -1.0 by default
JDK-8350819	Ignore core files

Issue ID	Summary
JDK-8350820	OperatingSystemMXBean CpuLoad() methods return -1.0 on Windows
JDK-8350824	New async logging gtest StallingModePreventsDroppedMessages fails
JDK-8350830	Values converted incorrectly when reading TLS session tickets
JDK-8350835	C2 SuperWord: assert/wrong result when using Float.float16ToFloat with byte instead of short input
JDK-8350840	C2: x64 Assembler::vpcmpeqq assert: failed: XMM register should be 0-15
JDK-8350841	ProblemList jdk/incubator/vector/Long256VectorTests.java
JDK-8350851	ZGC: Reduce size of ZAddressOffsetMax scaling data structures
JDK-8350852	Implement JMH benchmark for sparse CodeCache
JDK-8350854	Include thread counts in safepoint logging
JDK-8350855	RISC-V: print offset by assert of patch_offset_in_conditional_branch
JDK-8350858	[IR Framework] Some tests failed on Cascade Lake
JDK-8350866	[x86] Add C1 intrinsics for CRC32-C

Issue ID	Summary
JDK-8350869	os::stat doesn't follow symlinks on Windows
JDK-8350880	(zipfs) Add support for read-only zip file systems
JDK-8350889	GenShen: Break out of infinite loop of old GC cycles
JDK-8350892	[JVMCI] Align ResolvedJavaType.getInstanceFields with Class.getDeclaredFields
JDK-8350893	Use generated names for hand generated opto runtime blobs
JDK-8350898	Shenandoah: Eliminate final roots safepoint
JDK-8350903	Remove explicit libjvm.so dependency for libVThreadEventTest
JDK-8350905	Shenandoah: Releasing a WeakHandle's referent may extend its lifetime
JDK-8350909	[JMH] test ThreadOnSpinWaitShared failed for 2 threads config
JDK-8350915	[JMH] test SocketChannelConnectionSetup failed for 2 threads config
JDK-8350916	Remove misleading warning "Cannot dump shared archive while using shared archive"
JDK-8350924	javax/swing/JMenu/4213634/bug4213634.java fails

Issue ID	Summary
JDK-8350931	RISC-V: remove unnecessary src register for <code>fp_sqrt_d/f</code>
JDK-8350939	Revisit Windows PDH buffer size calculation for <code>OperatingSystemMXBean</code>
JDK-8350940	RISC-V: remove unnecessary <code>assert_different_registers</code> in <code>minmax_fp</code>
JDK-8350952	Remove some non present files from <code>OPT_SPEED_SRC</code> list
JDK-8350954	Fix repetitions of the word "the" in gc component comments
JDK-8350955	Fix repetitions of the word "the" in runtime component comments
JDK-8350956	Fix repetitions of the word "the" in compiler component comments
JDK-8350960	RISC-V: Add riscv backend for Float16 operations - vectorization
JDK-8350964	Add an <code>ArtifactResolver.fetch(clazz)</code> method
JDK-8350974	The <code>os_cpu VM_STRUCTS</code> , <code>VM_TYPES</code> , etc have no declarations and should be removed
JDK-8350982	<code>-server -client</code> causes fatal exception on static JDK
JDK-8350983	JShell <code>LocalExecutionControl</code> only needs <code>stopCheck()</code> on backward branches

Issue ID	Summary
JDK-8350988	Consolidate Identity of self-inverse operations
JDK-8350991	Improve HTTP client header handling
JDK-8351000	StringBuilder getChar and putChar robustness
JDK-8351002	com/sun/management/OperatingSystemMXBean cpuLoad tests fail intermittently
JDK-8351014	ProblemList the com/sun/management/OperatingSystemMXBean cpuLoad tests on Windows
JDK-8351017	ChronoUnit.MONTHS.between() not giving correct result when date is in February
JDK-8351029	IncludeCustomExtension does not work on cygwin with source code below /home
JDK-8351033	RISC-V: TestFloat16ScalarOperations asserts with offset (4210) is too large to be patched in one beq/bge/bgeu/blt/bltu/bne instruction!
JDK-8351034	Add AVX-512 intrinsics for ML-DSA
JDK-8351036	[JVMCI] value not an s2: -32776
JDK-8351040	[REDO] Protection zone for easier detection of accidental zero-nKlass use
JDK-8351045	ClassValue::remove cannot ensure computation observes up-to-date state
JDK-8351046	Rename ObjectMonitor functions

Issue ID	Summary
JDK-8351064	JFR: Consistent timestamps
JDK-8351074	Disallow null prefix and suffix in DecimalFormat
JDK-8351077	Shenandoah: Update comments in ShenandoahConcurrentGC::op_reset_after_collect
JDK-8351081	Off-by-one error in ShenandoahCardCluster
JDK-8351082	Remove dead code for estimating CDS archive size
JDK-8351086	(fc) Make java/nio/channels/FileChannel/BlockDeviceSize.java test manual
JDK-8351087	Combine scratch object tables in heapShared.cpp
JDK-8351091	Shenandoah: global marking context completeness is not accurately maintained
JDK-8351096	Typos in Vector API doc
JDK-8351101	RISC-V: C2: Small improvement to MacroAssembler::revb
JDK-8351108	ImageIO.write(..) fails with exception when writing JPEG with IndexColorModel
JDK-8351110	ImageIO.write for JPEG can write corrupt JPEG for certain thumbnail dimensions

Issue ID	Summary
JDK-8351113	RC2ParameterSpec throws IllegalArgumentException when offset is negative
JDK-8351115	Test AOTClassLinkingVMOptions.java fails after JDK-8348322
JDK-8351138	Running subset of gtests gets error printing result information
JDK-8351140	RISC-V: Intrinsicify Unsafe::setMemory
JDK-8351142	Add JFR monitor deflation and statistics events
JDK-8351145	RISC-V: only enable some crypto intrinsic when AvoidUnalignedAccess == false
JDK-8351146	JFR: JavaMonitorInflate event should default to no threshold and be disabled
JDK-8351151	Clean up x86 template interpreter after 32-bit x86 removal
JDK-8351152	x86: Remove code blocks that handle UseSSE < 2
JDK-8351154	Use -ftrivial-auto-var-init=pattern for clang too
JDK-8351155	C1/C2: Remove 32-bit x86 specific FP rounding support
JDK-8351156	C1: Remove FPU stack support after 32-bit x86 removal

Issue ID	Summary
JDK-8351157	Clean up x86 GC barriers after 32-bit x86 removal
JDK-8351158	Incorrect APX EGPR register save ordering
JDK-8351162	Clean up x86 (Macro)Assembler after 32-bit x86 removal
JDK-8351165	Remove unused includes from vmStructs
JDK-8351167	ZGC: Lazily initialize livemap
JDK-8351187	Add JFR monitor notification event
JDK-8351216	ZGC: Store NUMA node count
JDK-8351223	Update localized resources in keytool and jarsigner
JDK-8351224	Deprecate com.sun.tools.attach.AttachPermission for removal
JDK-8351230	Collections.synchronizedList returns a list that is not thread-safe
JDK-8351232	NPE: Cannot invoke "getDeclarationAttributes" because "sym" is null
JDK-8351233	[ASAN] avx2-emu-funcs.hpp:151:20: error: 'D.82188' is used uninitialized
JDK-8351256	Improve printing of runtime call stub names in disassembler output

Issue ID	Summary
JDK-8351266	JFR: -XX:StartFlightRecording:report-on-exit
JDK-8351277	Remove pipewire from AIX build
JDK-8351280	Mark Assertion Predicates useless instead of replacing them by a constant directly
JDK-8351290	Clarify integral only for vector operators
JDK-8351294	(fs) Minor verbiage correction for Files.createTemp{Directory,File}
JDK-8351309	test/hotspot/jtreg/runtime/posixSig/TestPosixSig.java fails on static-jdk
JDK-8351310	Deprecate com.sun.jdi.JDIPermission for removal
JDK-8351313	VM crashes when AOTMode/AOTCache/AOTConfiguration are empty
JDK-8351319	AOT cache support for custom class loaders broken since JDK-8348426
JDK-8351322	Parameterize link option for pthreads
JDK-8351323	Parameterize compiler and linker flags for iconv
JDK-8351327	-XX:AOTMode=record interferes with application execution
JDK-8351332	Line breaks in search tag descriptions corrupt JSON search index

Issue ID	Summary
JDK-8351333	[ubsan] CDSMapLogger::log_region applying non-zero offset to null pointer
JDK-8351339	WebSocket::sendBinary assume that user supplied buffers are BIG_ENDIAN
JDK-8351345	[IR Framework] Improve reported disabled IR verification messages
JDK-8351347	HttpClient Improve logging of response headers
JDK-8351349	GSSUtil.createSubject has outdated access control context and policy related text
JDK-8351359	OperatingSystemMXBean: values from getCpuLoad and getProcessCpuLoad are stale after 24.8 days (Windows)
JDK-8351366	Remove the java.security.debug=scl option
JDK-8351369	[macos] Use --install-dir option with DMG packaging
JDK-8351372	Improve negative tests coverage of jpackage
JDK-8351374	Improve comment about queue.remove timeout in CleanerImpl.run
JDK-8351375	nsk/jvmti/ tests should fail when nsk_jvmti_setFailStatus() is called
JDK-8351377	Fix the ProblemList for com/sun/management/OperatingSystemMXBean cpuLoad tests on AIX

Issue ID	Summary
JDK-8351382	New test containers/docker/TestMemoryWithSubgroups.java is failing
JDK-8351392	C2 crash: failed: Expected Bool, but got OpaqueMultiversioning
JDK-8351399	AIX: clang pollutes the burned-in library search paths of the generated executables / Second try with a better solution than JDK8348663
JDK-8351405	G1: Collection set early pruning causes suboptimal region selection
JDK-8351412	Add AVX-512 intrinsics for ML-KEM
JDK-8351414	C2: MergeStores must happen after RangeCheck smearing
JDK-8351415	(fs) Path::toAbsolutePath should specify if an absolute path has a root component
JDK-8351419	java.net.http: Cleanup links in HttpResponse and module-info API doc comments
JDK-8351431	Type annotations on new class creation expressions can't be retrieved
JDK-8351435	Change the default Console implementation back to the built-in one in java.base module
JDK-8351440	Link with -reproducible on macOS
JDK-8351443	Improve robustness of StringBuilder

Issue ID	Summary
JDK-8351444	Shenandoah: Class Unloading may encounter recycled oops
JDK-8351456	Build failure with --disable-jvm-feature -shenandoahgc after 8343468
JDK-8351458	(ch) Move preClose to UnixDispatcher
JDK-8351462	Improve robustness of String concatenation
JDK-8351464	Shenandoah: Hang on ShenandoahController::handle_alloc_failure when run test TestAllocHumongousFragment#generational
JDK-8351468	C2: array fill optimization assigns wrong type to intrinsic call
JDK-8351484	Race condition in max stats in MonitorList::add
JDK-8351491	Add info from release file to hserr file
JDK-8351500	G1: NUMA migrations cause crashes in region allocation
JDK-8351505	(fs) Typo in the documentation of java.nio.file.spi.FileSystemProvider.getFileSystem()
JDK-8351515	C2 incorrectly removes double negation for double and float
JDK-8351542	LIBMANAGEMENT_OPTIMIZATION remove special optimization settings

Issue ID	Summary
JDK-8351555	Help section added in JDK-8350638 uses invalid HTML
JDK-8351556	Optimize Location.locationFor/isModuleOrientedLocation
JDK-8351565	Implement JEP 502: Stable Values (Preview)
JDK-8351567	Jar Manifest test ValueUtf8Coding produces misleading diagnostic output
JDK-8351568	Improve source code documentation for PhaseCFG::insert_anti_dependences
JDK-8351593	[JMH] test PhoneCode.Bulk reports NPE exception
JDK-8351594	JFR: Rate-limited sampling of Java events
JDK-8351601	[JMH] test UnixSocketChannelReadWrite failed for 2 threads config
JDK-8351603	Change to GCC 14.2.0 for building on Linux at Oracle
JDK-8351606	Use build_platform for graphviz dependency
JDK-8351626	Update remaining icons to SVG format
JDK-8351627	C2 AArch64 ROR/ROL: assert1 << ((T>>1)+3 > shift) failed: Invalid Shift value
JDK-8351635	C2 ROR/ROL: assert failed: Long constant expected

Issue ID	Summary
JDK-8351639	Improve debuggability of test/langtools/jdk/jshell/JdiHangingListenExecutionControlTest.java test
JDK-8351640	Print reason for making method not entrant
JDK-8351654	Agent transformer bytecodes should be verified
JDK-8351655	Optimize ObjectMonitor::unlink_after_acquire()
JDK-8351656	Problem list gc/TestAllocHumongousFragment#generational
JDK-8351660	C2: SIGFPE in unsigned_mod_value
JDK-8351662	[Test] RISC-V: enable bunch of IR test
JDK-8351665	Remove unused UseNUMA in os_aix.cpp
JDK-8351666	[PPC64] Make non-volatile VectorRegisters available for C2 register allocation
JDK-8351673	Clean up a case of if (LockingMode == LM_LIGHTWEIGHT) in a legacy-only locking mode function
JDK-8351689	-Xshare:dump with default classlist fails on static JDK
JDK-8351699	Problem list com/sun/jdi/JdbStopInNotificationThreadTest.java with ZGC

Issue ID	Summary
JDK-8351700	Remove code conditional on BarrierSetNMethod being null
JDK-8351740	Clean up some code around initialization of encoding properties
JDK-8351748	Add class init barrier to AOT-cached Method/Var Handles
JDK-8351757	Test java/foreign/TestDeadlock.java#FileChannel_map timed out after passing
JDK-8351778	JIT compiler fails when running -XX:AOTMode=create
JDK-8351821	VMManagementImpl.c avoid switching off warnings
JDK-8351833	Unexpected increase in live nodes when splitting Phis through MergeMems in PhiNode::Ideal
JDK-8351839	RISC-V: Fix base offset calculation introduced in JDK-8347489
JDK-8351843	change test/jdk/com/sun/net/httpserver/simpleserver/RootDirPermissionsTest.java to a manual test
JDK-8351851	Update PmemTest to run on AMD64
JDK-8351861	RISC-V: add simple assert at arrays_equals_v
JDK-8351876	RISC-V: enable and fix some float round tests

Issue ID	Summary
JDK-8351881	Tidy complains about missing "alt" attribute
JDK-8351884	Refactor bug8033699.java test code
JDK-8351891	Disable TestBreakSignalThreadDump.java#with_jsig and XCheckJSig.java on static JDK
JDK-8351897	Extra closing curly brace typos in Javadoc
JDK-8351902	RISC-V: Several tests fail after JDK-8351145
JDK-8351907	[XWayland] [OL10] Robot.mousePress() is delivered to wrong place
JDK-8351921	G1: Pinned regions with pinned objects only reachable by native code crash VM
JDK-8351927	Change VirtualThread implementation to use use FJP delayed task handling
JDK-8351933	Inaccurate masking of TC subfield decrement in ForkJoinPool
JDK-8351938	C2: Print compilation bailouts with PrintCompilation compile command
JDK-8351949	RISC-V: Cleanup and enable store-load peephole for membars
JDK-8351950	C2: AVX512 vector assembler routines causing SIGFPE / no valid evex tuple_table entry
JDK-8351952	[IR Framework]: allow ignoring methods that are not compilable

Issue ID	Summary
JDK-8351958	Some compile commands should be made diagnostic
JDK-8351967	JFR: AnnotationIterator should handle num_annotations = 0
JDK-8351969	Add Public Identifiers to the JDK built-in Catalog
JDK-8351970	Retire javaLangAccess::exit
JDK-8351976	assert(vthread_epoch == current_epoch) failed: invariant
JDK-8351987	ProblemList the failing JFR streaming tests on macOS
JDK-8351992	JFR: Improve robustness of the SettingControl examples
JDK-8351993	VectorShuffle access to and from MemorySegments
JDK-8351994	Enable Extended EVEX to REX2/REX demotion when src and dst are the same
JDK-8351995	JFR: Leftovers from removal of Security Manager
JDK-8351996	Behavioral updates for ClassValue::remove
JDK-8351997	AArch64: Interpreter volatile reference stores with G1 are not sequentially consistent
JDK-8351999	JFR: Incorrect scaling of throttled values

Issue ID	Summary
JDK-8352001	AOT cache should not contain classes injected into built-in class loaders
JDK-8352003	Support --add-opens with -XX:+AOTClassLinking
JDK-8352011	RISC-V: Two IR tests fail after JDK-8351662
JDK-8352015	LIBVERIFY_OPTIMIZATION remove special optimization settings
JDK-8352020	[CompileFramework] enable compilation for VectorAPI
JDK-8352022	RISC-V: Support Zfa fminm_h/fmaxm_h for float16
JDK-8352046	Test testEcoFriendly() in jdk tools launcher ExecutionEnvironment.java for AIX and Linux/musl is brittle
JDK-8352050	Problem list compiler/ciReplay/* test until JDK-8349191 is fixed
JDK-8352064	AIX: now also able to build static-jdk image with a statically linked launcher
JDK-8352065	[PPC64] C2: Implement PopCountVL, CountLeadingZerosV and CountTrailingZerosV nodes
JDK-8352066	JVM.commit() and JVM.flush() exhibit race conditions against JFR epochs
JDK-8352075	Perf regression accessing fields

Issue ID	Summary
JDK-8352084	Add more test code in TestSetupAOT.java
JDK-8352088	Call of com.sun.jdi.ThreadReference.threadGroups() can lock up target VM
JDK-8352091	GenShen: assert(!((request.generation→is_old() && _heap→old_generation() →is_doing_mixed_evacuations())) failed: Old heuristic should not request cycles while it waits for mixed evacuation
JDK-8352092	-XX:AOTMode=record crashes with InstanceKlass in allocated state
JDK-8352096	Test jdk/jfr/event/profiling/TestFullStackTrace.java shouldn't be executed with -XX:+DeoptimizeALot
JDK-8352098	-Xrunjdwp fails on static JDK
JDK-8352109	java/awt/Desktop/MailTest.java fails in platforms where Action.MAIL is not supported
JDK-8352110	[BACKOUT] C2: Print compilation bailouts with PrintCompilation compile command
JDK-8352112	[ubsan] hotspot/share/code/relocInfo.cpp:130:37: runtime error: applying non-zero offset 18446744073709551614 to null pointer
JDK-8352114	New test runtime/interpreter/CountBytecodesTest.java is failing

Issue ID	Summary
JDK-8352116	Deadlock with GCLocker and JVMTI after JDK-8192647
JDK-8352131	[REDO] C2: Print compilation bailouts with PrintCompilation compile command
JDK-8352138	G1: Remove G1AddMetaspaceDependency.java test
JDK-8352147	G1: TestEagerReclaimHumongousRegionsClearMarkBits test takes very long
JDK-8352151	Fix display issues in javadoc-generated docs
JDK-8352159	RISC-V: add more zfa support
JDK-8352163	[AIX] SIGILL in AttachOperation::ReplyWriter::write_fully after 8319055
JDK-8352176	Automate setting up environment for mac signing tests
JDK-8352178	Add precondition in VMThread::execute to prevent deadlock
JDK-8352180	AttachListenerThread causes many tests to timeout on Windows
JDK-8352184	Jtreg tests using CommandLineOptionTest.getVMTypeOption() and optionsvalidation.JVMOptionsUtils fail on static JDK

Issue ID	Summary
JDK-8352185	Shenandoah: Invalid logic for remembered set verification
JDK-8352187	Don't start management agent during AOT cache creation
JDK-8352218	RISC-V: Zvfh requires RVV
JDK-8352248	Check if CMoveX is supported
JDK-8352249	Remove incidental whitespace in traditional doc comments
JDK-8352251	Implement JEP 518: JFR Cooperative Sampling
JDK-8352256	ObjectSynchronizer::quick_notify misses JFR event notification path
JDK-8352275	Clean up dead code in jpackage revealed with improved negative test coverage
JDK-8352276	Skip jtreg tests using native executable with libjvm.so/libjli.so dependencies on static JDK
JDK-8352277	java.security documentation: incorrect regex syntax describing "usage" algorithm constraint
JDK-8352284	EXTRA_CFLAGS incorrectly applied to BUILD_LIBJVM src/hotspot C++ source files
JDK-8352289	[macos] Review skipped tests in tools/jpackage/macosx/SigningPackage*
JDK-8352293	jpackage tests build rpm packages on Ubuntu test machines after JDK-8351372

Issue ID	Summary
JDK-8352299	GenShen: Young cycles that interrupt old cycles cannot be cancelled
JDK-8352302	Test sun/security/tools/jarsigner/TimestampCheck.java is failing
JDK-8352317	Assertion failure during size estimation of BoxLockNode with -XX:+UseAPX
JDK-8352389	Remove incidental whitespace in pre/code content
JDK-8352392	AIX: implement attach API v2 and streaming output
JDK-8352393	AIX: Problem list serviceability/attach/AttachAPIv2/StreamingOutputTest.java
JDK-8352414	JFR: JavaMonitorDeflateEvent crashes when deflated monitor object is dead
JDK-8352415	x86: Tighten up template interpreter method entry code
JDK-8352418	Add verification code to check that the associated loop nodes of useless Template Assertion Predicates are dead
JDK-8352419	Test tools/jpackage/share/ErrorTest.java#id0 and #id1 fail

Issue ID	Summary
JDK-8352420	[ubsan] codeBuffer.cpp:984:27: runtime error: applying non-zero offset 18446744073709486080 to null pointer
JDK-8352422	[ubsan] Out-of-range reported in ciMethod.cpp:917:20: runtime error: 2.68435e+09 is outside the range of representable values of type 'int'
JDK-8352423	RISC-V: simplify DivL/L ModL/L
JDK-8352426	RelocIterator should correctly handle nullptr address of relocation data
JDK-8352428	GenShen: Old-gen cycles are still looping
JDK-8352431	java/net/httpclient/EmptyAuthenticate.java uses "localhost"
JDK-8352435	Refactor CDS test library for execution and module packaging
JDK-8352437	Support --add-exports with -XX:+AOTClassLinking
JDK-8352477	RISC-V: Print warnings when unsupported intrinsics are enabled
JDK-8352480	Don't follow symlinks in additional content for app images
JDK-8352481	Enforce the use of lld with clang

Issue ID	Summary
JDK-8352486	[ubsan] compilationMemoryStatistic.cpp:659:21: runtime error: index 64 out of bounds for type const struct unnamed_struct
JDK-8352490	Fatal error message for unhandled bytecode needs more detail
JDK-8352504	RISC-V: implement and enable CMoveI/L
JDK-8352506	Simplify make/test/JtregNativeHotspot.gmk
JDK-8352508	[Redo] G1: Pinned regions with pinned objects only reachable by native code crash VM
JDK-8352509	Update jdk.test.lib.SecurityTools jar method to accept List<String> parameter
JDK-8352511	Show additional level of headings in table of contents
JDK-8352512	TestVectorZeroCount: counter not reset between iterations
JDK-8352529	RISC-V: enable loopopts tests
JDK-8352533	Report useful IOExceptions when jspawnhelper fails
JDK-8352568	Test gtest/AsyncLogGtest.java failed at droppingMessage_vm
JDK-8352579	Refactor CDS legacy optimization for lambda proxy classes

Issue ID	Summary
JDK-8352584	[Backout] G1: Pinned regions with pinned objects only reachable by native code crash VM
JDK-8352585	Add special case handling for Float16.max/min x86 backend
JDK-8352587	C2 SuperWord: we must avoid Multiversioning for PeelMainPost loops
JDK-8352588	GenShen: Enabling JFR asserts when getting GCId
JDK-8352591	Missing UnlockDiagnosticVMOptions in VerifyGraphEdgesWithDeadCodeCheckFromSafepoints test
JDK-8352595	Regression of JDK-8314999 in IR matching
JDK-8352597	[IR Framework] test bug: TestNotCompilable.java fails on product build
JDK-8352607	RISC-V: use cmove in min/max when Zicond is supported
JDK-8352612	No way to add back lint categories after "none"
JDK-8352615	[Test] RISC-V: TestVectorizationMultiInvar.java fails on riscv64 without rvv support
JDK-8352617	IR framework test TestCompileCommandFileWriter.java runs TestCompilePhaseCollector instead of itself

Issue ID	Summary
JDK-8352618	Remove old deprecated functionality in the build system
JDK-8352620	C2: rename MemNode::memory_type() to MemNode::value_basic_type()
JDK-8352621	MatchException from backwards incompatible change to switch expressions
JDK-8352623	MultiExchange should cancel exchange impl if responseFilters throws
JDK-8352624	Add missing {@code} to PassFailJFrame.Builder.splitUI
JDK-8352628	Refine Grapheme test
JDK-8352638	Enhance code consistency: java.desktop/windows
JDK-8352642	Set zipinfo-time=false when constructing zipfs FileSystem in com.sun.tools.javac.file.JavacFileManager\$ArchiveContainer for better performance
JDK-8352645	Add tool support to check order of includes
JDK-8352648	JFR: 'jfr query' should not be available in product builds
JDK-8352652	[BACKOUT] nsk/jvmti/ tests should fail when nsk_jvmti_setFailStatus() is called
JDK-8352673	RISC-V: Vector can't be turned on with -XX:+UseRVV

Issue ID	Summary
JDK-8352675	Support Intel AVX10 converged vector ISA feature detection
JDK-8352676	Opensource JMenu tests - series1
JDK-8352677	Opensource JMenu tests - series2
JDK-8352678	Opensource few JMenuitem tests
JDK-8352680	Opensource few misc swing tests
JDK-8352681	C2 compilation hits asserts "must set the initial type just once"
JDK-8352682	Opensource JComponent tests
JDK-8352684	Opensource JInternalFrame tests - series1
JDK-8352685	Opensource JInternalFrame tests - series2
JDK-8352686	Opensource JInternalFrame tests - series3
JDK-8352687	Opensource few JInternalFrame and JTextField tests
JDK-8352692	Add support for extra jlink options
JDK-8352696	JFR: assert(false): EA: missing memory path
JDK-8352706	httpClient HeadTest does not run on HTTP2
JDK-8352709	Remove bad timing annotations from WhileOpTest.java

Issue ID	Summary
JDK-8352716	(tz) Update Timezone Data to 2025b
JDK-8352719	Add an equals sign to the modules statement
JDK-8352724	Verify bounds for primitive array reads in JVMCI
JDK-8352730	RISC-V: Disable tests in qemu-user
JDK-8352731	Compiler workaround to forcibly set "-Xlint:-options" can be removed
JDK-8352733	Improve RotFontBoundsTest test
JDK-8352738	Implement JEP 520: JFR Method Timing and Tracing
JDK-8352740	Introduce new factory method HtmlTree.IMG
JDK-8352748	Remove com.sun.tools.classfile from the JDK
JDK-8352755	Misconceptions about j.text.DecimalFormat digits during parsing
JDK-8352762	Use EXACTFMT instead of expanded version where applicable
JDK-8352765	G1CollectedHeap::expand_and_allocate() may fail to allocate even after heap expansion succeeds
JDK-8352766	Problemlist hotspot tier1 tests requiring tools that are not included in static JDK

Issue ID	Summary
JDK-8352768	CDS test MethodHandleTest.java failed in -Xcomp mode
JDK-8352773	JVMTI should disable events during java upcalls
JDK-8352775	JVM crashes with -XX:AOTMode=create -XX:+UseZGC
JDK-8352793	Open source several AWT TextComponent tests - Batch 1
JDK-8352800	[PPC] OpenJDK fails to build on PPC after JDK-8350106
JDK-8352812	remove useless class and function parameter in SuspendThread impl
JDK-8352858	Make java.net.JarURLConnection fields final
JDK-8352860	Open source events tests batch0
JDK-8352865	Open source several AWT TextComponent tests - Batch 2
JDK-8352866	TestLogJIT.java runs wrong test class
JDK-8352869	Verify.checkEQ: extension for NaN, VectorAPI and arbitrary Objects
JDK-8352877	Opensource Several Font related tests - Batch 1
JDK-8352879	TestPeriod.java and TestGetContentType.java run wrong test class

Issue ID	Summary
JDK-8352890	Remove unnecessary Windows version check in FileFontStrike
JDK-8352893	C2: OrL/INode::add_ring optimize (x -1) to -1
JDK-8352895	UserCookie.java runs wrong test class
JDK-8352896	LambdaExpr02.java runs wrong test class
JDK-8352897	RISC-V: Change default value for UseConservativeFence
JDK-8352905	Open some JComboBox bugs 1
JDK-8352906	stdout/err.encoding on Windows set by incorrect Win32 call
JDK-8352908	Open source several swing tests batch1
JDK-8352918	Shenandoah: Verifier does not deactivate barriers as intended
JDK-8352920	Compilation failure: comparison of unsigned expression ≥ 0 is always true
JDK-8352922	Refactor client classes javadoc to use @throws instead of @exception
JDK-8352926	New test TestDockerMemoryMetricsSubgroup.java fails
JDK-8352935	Launcher should not add \$JDK/./lib to LD_LIBRARY_PATH

Issue ID	Summary
JDK-8352942	jdk/jfr/startupargs/TestMemoryOptions.java fails with 32-bit build
JDK-8352946	SEGV_BND signal code of SIGSEGV missing from our signal-code table
JDK-8352948	Remove leftover runtime_x86_32.cpp after 32-bit x86 removal
JDK-8352963	[REDO] Missing late inline cleanup causes compiler/vectorapi/VectorLogicalOpIdentityTest.java IR failure
JDK-8352965	[BACKOUT] 8302459: Missing late inline cleanup causes compiler/vectorapi/VectorLogicalOpIdentityTest.java IR failure
JDK-8352966	Opensource Several Font related tests - Batch 2
JDK-8352970	Remove unnecessary Windows version check in Win32ShellFolderManager2
JDK-8352971	Increase maximum number of hold counts for ReentrantReadWriteLock
JDK-8352972	PPC64: Intrinsicify Unsafe::setMemory
JDK-8352980	Purge infrastructure for FP-to-bits interpreter intrinsics after 32-bit x86 removal
JDK-8352994	ZGC: Fix regression introduced in JDK-8350572
JDK-8352997	Open source several Swing JTabbedPane tests

Issue ID	Summary
JDK-8353000	Open source several swing tests batch2
JDK-8353001	Remove leftover Security Manager parsing code in sun.security.util.Debug
JDK-8353002	Remove unnecessary Windows version check in WTaskbarPeer
JDK-8353005	AIX build broken after 8352481
JDK-8353007	Open some JComboBox bugs 2
JDK-8353009	Improve documentation for Windows AArch64 builds
JDK-8353011	Open source Swing JButton tests - Set 1
JDK-8353013	java.net.URI.create(String) may have low performance to scan the host/domain name from URI string when the hostname starts with number
JDK-8353014	Exclude AOT tooling classes from AOT cache
JDK-8353041	NeverBranchNode causes incorrect block frequency calculation
JDK-8353053	(fs) Add support for UserDefinedFileAttributeView on AIX
JDK-8353058	[PPC64] Some IR framework tests are failing after JDK-8352595
JDK-8353063	make/ide/vscode: Invalid Configuration Values

Issue ID	Summary
JDK-8353066	Properly detect Windows/aarch64 as build platform
JDK-8353070	Clean up and open source couple AWT Graphics related tests (Part 1)
JDK-8353117	Crash: assert(id >= ThreadIdentifier::initial() && id < ThreadIdentifier::current()) failed: must be reasonable)
JDK-8353118	Deprecate the use of <code>java.locale.useOldISOCodes</code> system property
JDK-8353124	<code>java/lang/Thread/virtual/stress/Skynet.java#Z</code> times out on macosx-x64-debug
JDK-8353126	Open source events tests batch1
JDK-8353129	CDS ArchiveRelocation tests fail after JDK-8325132
JDK-8353138	Screen capture for test <code>TaskbarPositionTest.java</code> , failure case
JDK-8353174	Clean up thread register handling after 32-bit x86 removal
JDK-8353175	Eliminate double iteration of stream in <code>FieldDescriptor</code> reinitialization
JDK-8353176	C1: x86 patching stub always calls <code>Thread::current()</code>
JDK-8353184	ZGC: Simplify and correct <code>tlab_used()</code> tracking

Issue ID	Summary
JDK-8353185	Introduce the concept of upgradeable files in context of JEP 493
JDK-8353187	Test TextLayout/TestControls fails on macOS: width of 0x9, 0xa, 0xd isn't zero
JDK-8353188	C1: Clean up x86 backend after 32-bit x86 removal
JDK-8353189	[ASAN] memory leak after 8352184
JDK-8353190	Use "/native" Run Option for TestAvailableProcessors Execution
JDK-8353192	C2: Clean up x86 backend after 32-bit x86 removal
JDK-8353196	[macos] Contents of ".jpackage.xml" file are wrong when building .pkg from unsigned app image
JDK-8353197	Document preconditions for JavaLangAccess methods
JDK-8353201	Open source Swing Tooltip tests - Set 2
JDK-8353213	Open source several swing tests batch3
JDK-8353214	Add testing with --enable-preview
JDK-8353216	Improve VerifyMethodHandles for method handle linkers
JDK-8353217	Build libsleef on macos-aarch64

Issue ID	Summary
JDK-8353218	Shenandoah: Out of date comment references Brooks pointers
JDK-8353219	RISC-V: Fix client builds after JDK-8345298
JDK-8353226	JFR: emit old object samples must be transitive closure complete for segment
JDK-8353227	JFR: Prepare tests for strong parser validation
JDK-8353230	Emoji rendering regression after JDK-8208377
JDK-8353231	Test com/sun/management/OperatingSystemMXBean/GetProcessCpuLoad still fails intermittently
JDK-8353232	Standardizing and Unifying XML Component Configurations
JDK-8353234	Refactor XMLSecurityPropertyManager
JDK-8353235	Test jdk/jfr/api/metadata/annotations/TestPeriod.java fails with IllegalArgumentException
JDK-8353237	[AArch64] Incorrect result of VectorizedHashCode intrinsic on Cortex-A53
JDK-8353263	Parallel: Remove locking in PSOldGen::resize
JDK-8353264	ZGC: Windows heap unreserving is broken
JDK-8353266	C2: Wrong execution with Integer.bitCount(int) intrinsic on AArch64

Issue ID	Summary
JDK-8353267	jmod create finds the wrong set of packages when class file are in non-package location
JDK-8353272	One instance of STATIC_LIB_CFLAGS was missed in JDK-8345683
JDK-8353273	Reduce number of oop map entries in instances
JDK-8353274	[PPC64] Bug related to -XX:+UseCompactObjectHeaders -XX:-UseSIGTRAP in JDK-8305895
JDK-8353278	Consolidate local file URL checks in jar: and file: URL schemes
JDK-8353293	Open source several swing tests batch4
JDK-8353298	AOT cache creation asserts with _array_klasses in an unregistered InstanceKlass
JDK-8353299	VerifyJarEntryName.java test fails
JDK-8353304	Open source two JTabbedPane tests
JDK-8353309	Open source several Swing text tests
JDK-8353319	Open source Swing tests - Set 3
JDK-8353320	Open source more Swing text tests
JDK-8353321	[macos] ErrorTest.testAppContentWarning test case requires signing environment

Issue ID	Summary
JDK-8353322	Specification of <code>ChoiceFormat#parse(String, ParsePosition)</code> is inadequate
JDK-8353324	Clean up of comments and import after 8319192
JDK-8353325	Rewrite <code>appcds/methodHandles</code> test cases to use <code>CDSAppTester</code>
JDK-8353329	Small memory leak when create <code>GrowArray</code> with initial size 0
JDK-8353330	Test <code>runtime/cds/appcds/SignedJar.java</code> fails in <code>CDSHeapVerifier</code>
JDK-8353331	Test <code>ForkJoinPool20Test::testFixedDelaySequence</code> is failing
JDK-8353332	Test <code>jdk/jshell/ToolProviderTest.java</code> failed in relation to <code>enable-preview</code>
JDK-8353341	C2: removal of a <code>Mod[DF]Node</code> crashes when the node is already dead
JDK-8353344	RISC-V: Detect and enable several extensions for debug builds
JDK-8353345	C2 asserts because <code>maskShiftAmount</code> modifies node without deleting the hash
JDK-8353349	<code>ProblemList runtime/cds/appcds/SignedJar.java</code>
JDK-8353359	C2: <code>Or(IJL)Node::Ideal</code> is missing <code>AddNode::Ideal</code> call

Issue ID	Summary
JDK-8353365	TOUCH_ASSERT_POISON clears GetLastError()
JDK-8353431	JFR: Sets to use hashmap instead of binary search as backend
JDK-8353439	Shell grouping of -XX:OnError= commands is surprising
JDK-8353440	Disable FTP fallback for non-local file URLs by default
JDK-8353445	Open source several AWT Menu tests - Batch 1
JDK-8353446	Open source several AWT Menu tests - Batch 2
JDK-8353449	[BACKOUT] One instance of STATIC_LIB_CFLAGS was missed in JDK-8345683
JDK-8353453	URLDecoder should use HexFormat
JDK-8353458	Don't pass -Wno-format-nonliteral to CFLAGS
JDK-8353470	Clean up and open source couple AWT Graphics related tests (Part 2)
JDK-8353471	ZGC: Redundant generation id in ZGeneration
JDK-8353475	Open source two Swing DefaultCaret tests
JDK-8353478	Update crypto microbenchmarks to cover ML-Dsa, ML-KEM, and HSS algorithms

Issue ID	Summary
JDK-8353479	jcmm with streaming output breaks indentation
JDK-8353483	Open source some JProgressBar tests
JDK-8353484	JFR: Simplify EventConfiguration
JDK-8353486	Open source Swing Tests - Set 4
JDK-8353488	Open some JComboBox bugs 3
JDK-8353489	Increase timeout and improve Windows compatibility in test/jdk/java/lang/ProcessBuilder/Basic.java
JDK-8353496	SuspendResume1.java and SuspendResume2.java timeout after JDK-8319447
JDK-8353500	[s390x] Intrinsicify Unsafe::setMemory
JDK-8353504	CDS archives are not found when JVM is in non-variant location
JDK-8353545	Improve debug info for StartOptionTest
JDK-8353549	Open source events tests batch2
JDK-8353551	C2: Constant folding for ReverseBytes nodes
JDK-8353552	Open source Several Font related tests - Batch 3
JDK-8353558	x86: Use better instructions for ICache sync when available

Issue ID	Summary
JDK-8353559	Restructure CollectedHeap error printing
JDK-8353565	Javac throws "inconsistent stack types at join point" exception
JDK-8353568	SEGV_BNDERR signal code adjust definition
JDK-8353572	x86: AMD platforms miss the check for CLWB feature flag
JDK-8353573	System giflib not found by configure if it's not in system directories
JDK-8353578	Refactor existing usage of internal HKDF impl to use the KDF API
JDK-8353580	libjpeg is not found if not installed in system directories
JDK-8353581	Support for <code>import module</code> in JShell's code completion
JDK-8353584	[BACKOUT] DaCapo xalan performance with <code>-XX:+UseObjectMonitorTable</code>
JDK-8353585	Provide <code>ChoiceFormat#parse(String, ParsePosition)</code> tests
JDK-8353586	Open source several toolkit tests
JDK-8353588	[REDO] DaCapo xalan performance with <code>-XX:+UseObjectMonitorTable</code>
JDK-8353589	Open source a few Swing menu-related tests

Issue ID	Summary
JDK-8353592	Open source several scrollbar tests
JDK-8353593	MethodData "mileage_*" methods and fields aren't used and can be removed
JDK-8353596	GenShen: Test TestClone.java#generational-no-coops intermittent timed out
JDK-8353597	Refactor handling VM options for AOT cache input and output
JDK-8353600	RISC-V: compiler/vectorization/TestRotateByteAndShortVector.java is failing with Zvbb
JDK-8353614	JFR: jfr print --exact
JDK-8353637	ZGC: Discontiguous memory reservation is broken on Windows
JDK-8353638	C2: deoptimization and re-execution cycle with StringBuilder
JDK-8353641	Deprecate core library permission classes for removal
JDK-8353642	Deprecate URL::getPermission method and networking permission classes for removal
JDK-8353655	Clean up and open source KeyEvent related tests (Part 1)
JDK-8353659	SubmissionPublisherTest::testCap1Submit times out

Issue ID	Summary
JDK-8353661	Open source several swing tests batch5
JDK-8353662	Add test for non-local file URL fallback to FTP
JDK-8353665	RISC-V: IR verification fails in TestSubNodeFloatDoubleNegation.java
JDK-8353669	IGV: dump OOP maps for MachSafePoint nodes
JDK-8353671	Remove dead code missed in JDK-8350459
JDK-8353679	Restructure classes in jdk.jpackage.internal package
JDK-8353681	jpackage suppresses errors when executed with --verbose option
JDK-8353683	[REDO] j.u.l.Handler classes create deadlock risk via synchronized publish() method
JDK-8353684	[BACKOUT] j.u.l.Handler classes create deadlock risk via synchronized publish() method
JDK-8353685	Open some JComboBox bugs 4
JDK-8353686	Optimize Math.cbrt for x86 64 bit platforms
JDK-8353692	Relax memory constraint on updating ObjectMonitorTable's item count
JDK-8353694	Resolved Class/Field/Method CP entries missing from AOT Configuration

Issue ID	Summary
JDK-8353695	RISC-V: compiler/cpuflags/TestAESIntrinsicsOnUnsupportedConfig.java is failing with Zvkn
JDK-8353698	Output of Simple Web Server is garbled if the console's encoding is not UTF-8
JDK-8353709	Debug symbols bundle should contain full debug files when building --with-external-symbols-in-bundles=public
JDK-8353713	Improve Currency.getInstance exception handling
JDK-8353727	HeapDumpPath doesn't expand %p
JDK-8353730	TestSubNodeFloatDoubleNegation.java fails with native Float16 support
JDK-8353735	[JVMCI] Allow specifying storage kind of the callee save register
JDK-8353741	Eliminate table lookup in UUID.toString
JDK-8353748	Open source several swing tests batch6
JDK-8353753	Remove unnecessary forward declaration in oop.hpp
JDK-8353757	Log class should have a proper clear() method
JDK-8353786	Migrate Vector API math library support to FFM API

Issue ID	Summary
JDK-8353787	Increased number of SHA-384-Digest java.util.jar.Attributes\$Name instances leading to higher memory footprint
JDK-8353829	RISC-V: Auto-enable several more extensions for debug builds
JDK-8353832	Opensource FontClass, Selection and Icon tests
JDK-8353840	JNativeScan should not abort for missing classes
JDK-8353841	[jittester] Fix JITTester build after asm removal
JDK-8353842	C2: Add graph dumps before and after loop opts phase
JDK-8353847	Remove extra args to System.out.printf in open/test/jdk/java/net/httpclient tests
JDK-8353856	Deprecate FlighRecorderPermission class for removal
JDK-8353888	Implement JEP 510: Key Derivation Function API
JDK-8353917	jnativescan: Simplify ClassResolver
JDK-8353938	hotspot/jtreg/serviceability/dcmd/jvmti/LoadAgentDcmdTest.java fails on static JDK
JDK-8353942	Open source Swing Tests - Set 5

Issue ID	Summary
JDK-8353945	Test javax/security/auth/x500/X500Principal/NameFormat.java fails after JDK-8349890
JDK-8353946	Incorrect WINDOWS ifdef in os::build_agent_function_name
JDK-8353949	HttpHeaders.firstValueAsLong unnecessarily boxes to Long
JDK-8353950	Clipboard interaction on Windows is unstable
JDK-8353953	con/sun/jdi tests should be fixed to not always require includevirtualthreads=y
JDK-8353955	nsk/jdi tests should be fixed to not always require includevirtualthreads=y
JDK-8353957	Open source several AWT ScrollPane tests - Batch 1
JDK-8353958	Open source several AWT ScrollPane tests - Batch 2
JDK-8354016	Update ReentrantReadWriteLock documentation to reflect its new max capacity
JDK-8354024	[JMH] Create ephemeral UnixDomainSocketAddress provider with thread-safe close semantics
JDK-8354053	Remove unused JavaIOFilePermissionAccess
JDK-8354057	Odd debug output in -Xlog:os+container=debug on certain systems

Issue ID	Summary
JDK-8354061	Update copyright in NameFormat.java fix after JDK-8349890
JDK-8354071	Add LintCategory property indicating whether @SuppressWarnings is supported
JDK-8354077	Get rid of offscreenSharingEnabled windows flag
JDK-8354078	Implement JEP 521: Generational Shenandoah
JDK-8354083	Support --add-reads with -XX:+AOTClassLinking
JDK-8354084	Streamline XPath API's extension function control
JDK-8354088	[BACKOUT] Run jtreg in the work dir
JDK-8354090	Refactor import warning suppression in Check.java
JDK-8354091	Update RELEASE_25 description for Flexible Constructor Bodies
JDK-8354095	Open some JTable bugs 5
JDK-8354106	Clean up and open source KeyEvent related tests (Part 2)
JDK-8354111	JavaDoc states that Iterator.remove() is linear in the LinkedBlockingDeque

Issue ID	Summary
JDK-8354119	Missing C2 proper allocation failure handling during initialization (during generate_uncommon_trap_blob)
JDK-8354121	Use a record class rather than a lambda in AbstractMemorySegmentImpl::cleanupAction
JDK-8354145	G1: UseCompressedOops boundary is calculated on maximum heap region size instead of maximum ergonomic heap region size
JDK-8354163	Open source Swing tests Batch 1
JDK-8354180	Clean up uses of ObjectMonitor caches
JDK-8354181	[Backout] 8334046: Set different values for CompLevel_any and CompLevel_all
JDK-8354189	Remove JLI_ReportErrorMessageSys on Windows
JDK-8354191	GTK LaF should use pre-multiplied alpha same as cairo
JDK-8354213	Restore pointless unicode characters to ASCII
JDK-8354214	Open source Swing tests Batch 2
JDK-8354215	Clean up Loom support after 32-bit x86 removal
JDK-8354216	Small cleanups relating to Log.DiagnosticHandler

Issue ID	Summary
JDK-8354219	Automate javax/swing/JComboBox/ComboPopupBug.java
JDK-8354228	Parallel: Set correct minimum of InitialSurvivorRatio
JDK-8354230	Wrong boot jdk for alpine-linux-x64 in GHA
JDK-8354231	x86: Purge FPU support from (Macro)Assembler after 32-bit x86 removal
JDK-8354233	Open some JTable bugs 6
JDK-8354234	Remove friends for ObjectMonitor
JDK-8354235	Test javax/net/ssl/SSLSocket/Tls13PacketSize.java failed with java.net.SocketException: An established connection was aborted by the software in your host machine
JDK-8354248	Open source several AWT GridBagLayout and List tests
JDK-8354254	Remove the linux ppc64 -minsert-sched -nops=regroup_exact compile flag
JDK-8354255	[jittestester] Remove TempDir debug output
JDK-8354257	xtracenorm profiler not working with JDK JMH benchmarks
JDK-8354260	Launcher help text is wrong for -Xms

Issue ID	Summary
JDK-8354266	Fix non-UTF-8 text encoding
JDK-8354273	Replace even more Unicode characters with ASCII
JDK-8354276	Strict HTTP header validation
JDK-8354278	Revert use of non-POSIX echo -n introduced in JDK-8301197
JDK-8354284	Add more compiler test folders to tier1 runs
JDK-8354285	Open source Swing tests Batch 3
JDK-8354292	Remove unused PRAGMA_FORMAT_IGNORED
JDK-8354300	Mark String.hash field @Stable
JDK-8354305	SHAKE128 and SHAKE256 MessageDigest algorithms
JDK-8354309	Sort GC includes
JDK-8354310	JFR: Inconsistent metadata in ZPageAllocation
JDK-8354316	clang/linux build fails with -Wunused-result warning at XToolkit.c:695:9
JDK-8354317	[XWayland] Problem list two tests crashing XWayland server
JDK-8354320	Changes to jpackage.md cause pandoc warning

Issue ID	Summary
JDK-8354323	Safeguard SwitchBootstraps.typeSwitch when used outside the compiler
JDK-8354327	Rewrite runtime/LoadClass/LoadClassNegative.java
JDK-8354329	Rewrite runtime/ClassFile/JsrRewriting.java and OomWhileParsingRepeatedJsr.java tests
JDK-8354334	Remove @ValueBased from ProcessHandle
JDK-8354335	No longer deprecate wrapper class constructors for removal
JDK-8354340	Open source Swing Tests - Set 6
JDK-8354341	Open some JTable bugs 7
JDK-8354343	Hardening of Currency tests for not yet defined future ISO 4217 currency
JDK-8354344	Test behavior after cut-over for future ISO 4217 currency
JDK-8354347	Increase the default padding size for aarch64 in JDK code.
JDK-8354358	ZGC: ZPartition::prime handle discontiguous reservations correctly
JDK-8354362	Use automatic indentation in CollectedHeap printing
JDK-8354365	Opensource few Modal and Full Screen related tests

Issue ID	Summary
JDK-8354407	Test com/sun/management/OperatingSystemMXBean/GetProcessCpuLoad.java still fails on Windows
JDK-8354418	Open source Swing tests Batch 4
JDK-8354424	java/util/logging/LoggingDeadlock5.java fails intermittently in tier6
JDK-8354426	[ubsan] applying non-zero offset 34359738368 to null pointer in CompressedKlassPointers::encoding_range_end
JDK-8354428	[ubsan] g1BiasedArray.hpp: pointer overflow in address calculation
JDK-8354431	gc/logging/TestGCId fails on Shenandoah
JDK-8354433	Assert in AbstractRBTREE::visit_range_in_order(const K& from, const K& to, F f) is wrong
JDK-8354443	[Gaal] crash after deopt in TestG1BarrierGeneration.java
JDK-8354446	[BACKOUT] Remove friends for ObjectMonitor
JDK-8354448	[REDO] Remove friends for ObjectMonitor
JDK-8354449	Remove com/sun/org/apache/xml/internal/security/resource/xmlsecurity_de.properties

Issue ID	Summary
JDK-8354450	A File should be invalid if an element of its name sequence ends with a space
JDK-8354451	Open source some more Swing popup menu tests
JDK-8354452	Shenandoah: Enforce range checks on parameters controlling heuristic sleep times
JDK-8354453	Don't strcpy in os::strdup, use memcpy instead
JDK-8354460	Streaming output for attach API should be turned on by default
JDK-8354461	Update tests to disable streaming output for attach tools
JDK-8354464	Additional cleanup setting up native.encoding
JDK-8354465	Open some JTable bugs 8
JDK-8354466	Open some misc Swing bugs 9
JDK-8354471	Assertion failure with -XX: -EnableX86CoreOpts
JDK-8354472	Clean up and open source KeyEvent related tests (Part 3)
JDK-8354473	Incorrect results for compress/expand tests with -XX:+EnableX86CoreOpts
JDK-8354475	TestDockerMemoryMetricsSubgroup.java fails with exitValue = 1

Issue ID	Summary
JDK-8354477	C2 SuperWord: make use of memory edges more explicit
JDK-8354484	SIGSEGV when supertype of an AOT-cached class is excluded
JDK-8354493	Opensource Several MultiScreen and Insets related tests
JDK-8354495	Open source several AWT DataTransfer tests
JDK-8354507	[ubsan] subnode.cpp:406:36: runtime error: negation of -9223372036854775808 cannot be represented in type 'long int'
JDK-8354508	JFR: Strengthen metadata checks for labels
JDK-8354510	Skipped gtest cause test failure
JDK-8354513	Bug in j.u.l.Handler deadlock test allows null pointer during race condition
JDK-8354517	Parallel: JDK-8339668 causes up to 3.7x slowdown in openjdk.bench.vm.gc.systemgc
JDK-8354520	IGV: dump contextual information
JDK-8354522	Clones of DecimalFormat cause interferences when used concurrently
JDK-8354523	runtime/Monitor/SyncOnValueBasedClassTest.java triggers SIGSEGV
JDK-8354530	AIX: sporadic unexpected errno when calling setsockopt in Net.joinOrDrop

Issue ID	Summary
JDK-8354532	Open source JFileChooser Tests - Set 7
JDK-8354535	[BACKOUT] Force clients to explicitly pass mem_tag value, even if it is mtNone
JDK-8354536	Problem-list java/util/logging/LoggingDeadlock5.java due to JDK-8354424
JDK-8354541	Remove Shenandoah post barrier expand loop opts
JDK-8354542	Clean up x86 stubs after 32-bit x86 removal
JDK-8354543	Set more meaningful names for "get_vm_result" and "get_vm_result_2"
JDK-8354544	Fix bugs in increment and xor APX codegen
JDK-8354547	REDO: Force clients to explicitly pass mem_tag value, even if it is mtNone
JDK-8354552	Open source a few Swing tests
JDK-8354553	Open source several clipboard tests batch0
JDK-8354554	Open source several clipboard tests batch1
JDK-8354556	Expand value-based class warnings to java.lang.ref API
JDK-8354558	-XX:AOTMode=record crashes with boot loader package-info class

Issue ID	Summary
JDK-8354559	gc/g1/TestAllocationFailure.java doesn't need WB API
JDK-8354560	Exponentially delay subsequent native thread creation in case of EAGAIN
JDK-8354561	Open source several swing tests batch0
JDK-8354565	jtreg failure handler GatherProcessInfoTimeoutHandler has a leftover call to System.loadLibrary
JDK-8354572	Turn off AlwaysMergeDMB for Ampere CPU by default
JDK-8354576	InetAddress.getLocalHost() on macos may return address of an interface which is not UP - leading to "Network is down" error
JDK-8354625	Compile::igv_print_graph_to_network doesn't use its second parameter
JDK-8354629	Test tools/jlink/ClassFileInMetaInfo.java fails on builds with configure option --enable-linkable-runtime
JDK-8354636	[PPC64] Clean up comments regarding frame manager
JDK-8354653	Clean up and open source KeyEvent related tests (Part 4)
JDK-8354667	[TESTBUG] AccessZeroNClassHitsProtectionZone cds tests require cds

Issue ID	Summary
JDK-8354668	Missing REX2 prefix accounting in ZGC barriers leads to incorrect encoding
JDK-8354674	AArch64: Intrinsicify Unsafe::setMemory
JDK-8354686	[AIX] now ubsan is possible
JDK-8354695	Open source several swing tests batch7
JDK-8354701	Open source few JToolTip tests
JDK-8354724	Methods in java.io.Reader to read all characters and all lines
JDK-8354766	Test TestUnexported.java javac build fails
JDK-8354767	Test crashed: assert(increase < max_live_nodes_increase_per_iteration) failed: excessive live node increase in single iteration of IGVN: 4470 (should be at most 4000)
JDK-8354774	DocumentBuilderFactory getAttribute throws NPE
JDK-8354789	Unnecessary null check in sun.awt.windows.WToolkit.getFontPeer
JDK-8354791	Use Hashtable.putIfAbsent in CSS constructor
JDK-8354802	MAX_SECS definition is unused in os_linux
JDK-8354803	ALL_64_BITS is the same across platforms

Issue ID	Summary
JDK-8354811	clock_tics_per_sec code duplication between os_linux and os_posix
JDK-8354815	RISC-V: Change type of bitwise rotation shift to iRegLorL2I
JDK-8354826	Make ResolverConfigurationImpl.lock field final
JDK-8354872	Clarify java.lang.Process resource cleanup
JDK-8354873	javax/swing/plaf/metal/MetalIconFactory/bug4952462.java failing on CI
JDK-8354877	DirectClassBuilder default flags should include ACC_SUPER
JDK-8354878	File Leak in CgroupSubsystemFactory::determine_type of cgroupSubsystem_linux.cpp:300
JDK-8354887	Preserve runtime blobs in AOT code cache
JDK-8354890	AOT-initialize j.l.i.MethodHandleImpl and inner classes
JDK-8354897	Support Soft/Weak Reference in AOT cache
JDK-8354898	jdk/internal/loader/NativeLibraries/Main.java fails on static JDK
JDK-8354899	Reduce overhead associated with type switches
JDK-8354900	javax/swing/AbstractButton/bug4133768.java failing on macosx-aarch64

Issue ID	Summary
JDK-8354902	Change to Visual Studio 17.13.2 for building on Windows at Oracle
JDK-8354908	javac mishandles supplementary character in character literal
JDK-8354910	Output by java.io.IO or System.console() corrupted for some non-ASCII characters
JDK-8354919	Move HotSpot .editorconfig into the global .editorconfig
JDK-8354920	SA core file support on Linux only prints error messages when debug logging is enabled
JDK-8354922	ZGC: Use MAP_FIXED_NOREPLACE when reserving memory
JDK-8354926	Remove remnants of debugging in the fix for JDK-8348561 and JDK-8349721
JDK-8354928	Clean up and open source some miscellaneous AWT tests
JDK-8354929	ZGC: Update collection stats while holding page allocator lock
JDK-8354930	IGV: dump C2 graph before and after live range stretching
JDK-8354938	ZGC: Disable UseNUMA when ZFakeNUMA is used
JDK-8354941	Build failure with glibc 2.42 due to uabs() name collision

Issue ID	Summary
JDK-8354944	Remove unnecessary PartiallyOrderedSet.nodes
JDK-8354949	JFR: Split up the EventInstrumentation class
JDK-8354954	Typed static memory for late initialization of static class members in Hotspot
JDK-8354968	Replace unicode sequences in comment text with UTF-8 characters
JDK-8354969	Add strdup function for ResourceArea
JDK-8354985	Add unit tests for Executor class from jpackage test lib
JDK-8354988	Separate stderr and stdout in Executor class from jpackage test lib
JDK-8354989	Bug in MacCertificate class
JDK-8354990	Improve negative tests coverage for jpackage signing
JDK-8354996	Reduce dynamic code generation for a single downcall
JDK-8355002	Clean up some mentions of "applet" in tests
JDK-8355003	Implement JEP 515: Ahead-of-Time Method Profiling
JDK-8355004	Apply java.io.Serial annotations in java.compiler

Issue ID	Summary
JDK-8355022	Implement JEP 506: Scoped Values
JDK-8355034	[JVMCI] assert(static_cast<int>(_jvmci_data_size) == align_up(compiler→is_jvmci() ? jvmci_data →size() : 0, oopSize)) failed: failed: 104 != 16777320
JDK-8355048	ProblemList TestGlyphVectorLayout.java on all platforms
JDK-8355051	Problemlist java/awt/Graphics2D/CopyAreaOOB.java on macosx-aarch64
JDK-8355065	ConcurrentModificationException in RichDiagnosticFormatter
JDK-8355069	Allocation::check_out_of_memory() should support CheckUnhandledOops mode
JDK-8355071	Fix nsk/jdi test to not require lookup of main thread in order to set the breakpoint used for communication
JDK-8355074	RISC-V: C2: Support Vector-Scalar version of Zvbb Vector And-Not instruction
JDK-8355077	Compiler error at splashscreen_gif.c due to unterminated string initialization
JDK-8355078	java.awt.Color.createContext() uses unnecessary synchronization

Issue ID	Summary
JDK-8355080	java.base/jdk.internal.foreign.SystemLookup.find() doesn't work on static JDK
JDK-8355094	Performance drop in auto-vectorized kernel due to split store
JDK-8355179	Reinstate javax/swing/JScrollBar/4865918/bug4865918.java headful and macos run
JDK-8355203	[macos] AquaButtonUI and AquaRootPaneUI repaint default button unnecessarily
JDK-8355211	nsk/jdi/EventRequest/disable/disable001.java should use JDIBase superclass
JDK-8355214	nsk/jdi/ThreadStartRequest/addThreadFilter/addthreadfilter001.java should use JDIBase superclass
JDK-8355215	Add @spec tags to Emoji related methods
JDK-8355221	Get rid of unnecessary override of JDIBase.breakpointForCommunication in nsk/jdi tests
JDK-8355228	Improve runtime/CompressedOops/CompressedClassPools/IntersEncodingScheme.java to support JDK build with -XX:+UseCompactObjectHeaders
JDK-8355230	Crash in fuzzer tests: assert(n != nullptr) failed: must not be null
JDK-8355233	Add a DMB related benchmark

Issue ID	Summary
JDK-8355235	Clean out old versions from Tools.gmk
JDK-8355236	AOT Assembly crash with unregistered class and -Xlog:cds+resolve=trace
JDK-8355237	Upstream AOT test cases from Leyden repo to mainline
JDK-8355239	RISC-V: Do not support subword scatter store
JDK-8355240	Remove unused Import in StringUTF16
JDK-8355241	Move NativeDialogToFrontBackTest.java PL test to manual category
JDK-8355249	Remove the use of WMIC from the entire source code
JDK-8355262	Test sun/security/ssl/SSLSessionImpl/NoInvalidateSocketException.java failed: accept timed out
JDK-8355278	Improve debuggability of com/sun/jndi/ldap/LdapPoolTimeoutTest.java test
JDK-8355293	[TEST] RISC-V: enable more ir tests
JDK-8355300	Add final to BitSieve
JDK-8355319	Update Manpage for Compact Object Headers (Production)
JDK-8355323	JShell LocalExecutionControl should add stopCheck() at method entry

Issue ID	Summary
JDK-8355328	Improve negative tests coverage for jpackage signing
JDK-8355332	Fix failing semi-manual test EDT issue
JDK-8355333	Some Problem list entries point to non-existent / wrong files
JDK-8355335	Avoid pattern matching switches in core ClassFile API
JDK-8355336	GenShen: Resume Old GC even with back-to-back Young GC triggers
JDK-8355340	GenShen: Remove unneeded log messages related to remembered set write table
JDK-8355353	File Leak in <code>os::read_image_release_file</code> of <code>os.cpp:1552</code>
JDK-8355360	<code>-d</code> option of <code>jwebserver</code> command should accept relative paths
JDK-8355363	[BACKOUT] 8354668: Missing REX2 prefix accounting in ZGC barriers leads to incorrect encoding
JDK-8355364	[REDO] Missing REX2 prefix accounting in ZGC barriers leads to incorrect encoding
JDK-8355366	Fix the wrong usage of <code>PassFailJFrame.forcePass()</code> in some manual tests

Issue ID	Summary
JDK-8355369	Remove setAccessible usage for setting final fields in java.util.concurrent
JDK-8355370	Include server name in HTTP test server thread names to improve diagnostics
JDK-8355371	NegativeArraySizeException in print methods in IO or System.console() in JShell
JDK-8355372	GenShen: Test gc/shenandoah/generational/TestOldGrowthTriggers.java fails with UseCompactObjectHeaders enabled
JDK-8355387	[jittestester] Disable downcasts by default
JDK-8355391	Use Long::hashCode in java.time
JDK-8355394	ZGC: Windows compile error in ZUtils
JDK-8355400	Better git detection in update_copyright_year.sh
JDK-8355401	Remove unused HWperKB
JDK-8355429	Open source ProgressMonitor test
JDK-8355432	Remove CompileTask from SA
JDK-8355439	Some hotspot/jtreg/serviceability/sa/* tests fail on static JDK due to explicit checks for shared libraries in process memory map
JDK-8355441	Remove antipattern from PassFailJFrame.forcePass javadoc

Issue ID	Summary
JDK-8355442	Reference field lambda forms with type casts are not generated
JDK-8355443	[java.io] Use @requires tag instead of exiting based on File.separatorChar value
JDK-8355444	[java.io] Use @requires tag instead of exiting based on "os.name" property value
JDK-8355445	[java.nio] Use @requires tag instead of exiting based on "os.name" property value
JDK-8355446	Change to Xcode 15.4 for building on macOS at Oracle
JDK-8355452	GHA: Test jtreg tier1 on linux-x64 static-jdk
JDK-8355453	nsk.share.jdi.Debuggee.waitingEvent() does not timeout properly
JDK-8355472	Clean up x86 nativeInst after 32-bit x86 removal
JDK-8355473	Clean up x86 globals/VM_Version after 32-bit x86 removal
JDK-8355475	UNCTest should use an existing UNC path
JDK-8355476	RISC-V: using zext_w directly in vector_update_crc32 could trigger assert
JDK-8355481	Clean up MHN_copyOutBootstrapArguments
JDK-8355488	Add stress mode for C2 loop peeling

Issue ID	Summary
JDK-8355490	Make VM_RedefineClasses::merge_constant_pools only take reference arguments
JDK-8355492	MissedOptCastII is missing UnlockDiagnosticVMOptions flag
JDK-8355498	[AIX] Adapt code for C++ VLA rule
JDK-8355512	Test compiler/vectorization/TestVectorZeroCount.java times out with -XX:TieredStopAtLevel=3
JDK-8355515	Clarify the purpose of forcePass() and forceFail() methods
JDK-8355524	Only every second line in upgradeable files is being used
JDK-8355528	Update HarfBuzz to 11.2.0
JDK-8355556	JVM crash because archived method handle intrinsics are not restored
JDK-8355558	SJIS.java test is always ignored
JDK-8355559	Benchmark modification/extension shouldn't affect the behavior of other benchmarks
JDK-8355561	[macos] Build failure with Xcode 16.3
JDK-8355562	RISC-V: Cleanup names of vector-scalar instructions in riscv_v.ad

Issue ID	Summary
JDK-8355569	Some nsk/jdi tests can glean the "main" thread by using the ClassPrepareEvent for the debuggee main class
JDK-8355573	Remove kludge_c++11.h from jpackage code
JDK-8355576	Problem list compiler/c2/TestVerifyConstraintCasts.java until JDK-8355574 is fixed
JDK-8355578	[java.net] Use @requires tag instead of exiting based on "os.name" property value
JDK-8355585	Aarch64: Add aarch64 backend for Float16 vector operations
JDK-8355594	Warnings occur when building with clang and enabling ubsan
JDK-8355608	Async UL should take the file lock of stream when outputting
JDK-8355611	Get rid of SurfaceManagerFactory
JDK-8355616	Incorrect ifdef in compilationMemoryStatistic.cpp
JDK-8355617	Remove historical debug_only macro in favor of DEBUG_ONLY
JDK-8355627	Don't use ThreadCritical for EventLog list
JDK-8355632	WhiteBox.waitForReferenceProcessing() fails assert for return type

Issue ID	Summary
JDK-8355635	Do not collect C strings in C2 scratch buffer
JDK-8355637	SSLSessionImpl's "serialization" list documentation is incorrectly ordered
JDK-8355646	Optimize ObjectMonitor::exit
JDK-8355648	Thread.SpinAcquire()'s lock name parameter is not used
JDK-8355649	Missing ResourceMark in ExceptionMark::check_no_pending_exception
JDK-8355650	Remove unused fields in ParkEvent
JDK-8355651	Issues with post-image hook
JDK-8355654	RISC-V: Relax register constraint for some vector-scalar instructions
JDK-8355657	RISC-V: Improve PrintOptoAssembly output of vector-scalar instructions
JDK-8355667	RISC-V: Add backend implementation for unsigned vector Min / Max operations
JDK-8355668	RISC-V: jdk/incubator/vector/Int256VectorTests.java fails when using RVV
JDK-8355669	Add static-jdk-bundles make target
JDK-8355674	C2: Partial Peeling should not introduce Phi nodes above OpaqueInitializedAssertionPredicate nodes

Issue ID	Summary
JDK-8355681	G1HeapRegionManager::find_contiguous_allow_expand ignores free regions when checking regions available for allocation
JDK-8355689	Wrong native entry name for FloatMaxVector vector math stubs with -XX:MaxVectorSize=8
JDK-8355692	Refactor stream indentation
JDK-8355697	Create windows devkit on wsl and msys2
JDK-8355699	RISC-V: support SUADD/SADD/SUSUB/SSUB
JDK-8355704	RISC-V: enable TestIRFma.java
JDK-8355708	Two Float16 IR tests fail after JDK-8345125
JDK-8355711	Remove incorrect overflow check in RawBytecodeStream::raw_next
JDK-8355717	Problem list tests until JDK-8355708 is fixed
JDK-8355719	Reduce memory consumption of BigInteger.pow()
JDK-8355725	SPEC_FILTER stopped working
JDK-8355739	AssertionError: Invalid CPU feature name after 8353786
JDK-8355743	G1: Collection set clearing is not recorded as part of "Free Collection Set Time"

Issue ID	Summary
JDK-8355753	@SuppressWarnings("this-escape") not respected for indirect leak via field
JDK-8355756	G1HeapSizingPolicy::full_collection_resize_amount should consider allocation size
JDK-8355769	Optimize nmethod dependency recording
JDK-8355773	Some nsk/jdi tests can fetch ThreadReference from static field in the debuggee
JDK-8355775	Improve symbolic sharing in dynamic constant pool entries
JDK-8355779	When no "signature_algorithms_cert" extension is present we do not apply certificate scope constraints to algorithms in "signature_algorithms" extension
JDK-8355789	GenShen: assert(_degen_point == ShenandoahGC::_degenerated_unset) failed: Should not be set yet: Outside of Cycle
JDK-8355790	Enhance code consistency: java.desktop/unix:sun.awt
JDK-8355796	RISC-V: compiler/vectorapi/AllBitsSetVectorMatchRuleTest.java fails after JDK-8355657
JDK-8355798	Implement JEP 514: Ahead-of-Time Command Line Ergonomics

Issue ID	Summary
JDK-8355878	RISC-V: jdk/incubator/vector/DoubleMaxVectorTests.java fails when using RVV
JDK-8355884	[macos] java/awt/Frame/l18NTitle.java fails on MacOS
JDK-8355896	Lossy narrowing cast of JVMCINMethodData::size
JDK-8355913	RISC-V: improve hotspot/jtreg/compiler/vectorization/runner/BasicFloatOpTest.java
JDK-8355954	File.delete removes read-only files (win)
JDK-8355956	Prepare javap for class file format aware access flag parsing
JDK-8355962	RISCV64 cross build fails after 8354996
JDK-8355970	C2: Add command line option to print the compile phases
JDK-8355971	Build warnings after the changes for JDK- 8354996
JDK-8355975	ZipFile uses incorrect Charset if another instance for the same ZIP file was constructed with a different Charset
JDK-8355979	ATTRIBUTE_NO_UBSAN needs to be extended to handle float divisions by zero on AIX

Issue ID	Summary
JDK-8355980	RISC-V: remove vmclr_m before vmsXX and vmfXX
JDK-8355992	Add unsignedMultiplyExact and *powExact methods to Math and StrictMath
JDK-8356000	C1/C2-only modes use 2 compiler threads on low CPU count machines
JDK-8356016	Build fails by clang(XCode 16.3) on macOS after JDK-8347719
JDK-8356020	Failed assert in virtualMemoryTracker.cpp
JDK-8356021	Use Double::hashCode in java.util.Locale::hashCode
JDK-8356023	Some nsk/jdi tests can fetch ThreadReference from static field in the debuggee: part 2
JDK-8356025	Provide a PrintVMInfoAtExit diagnostic switch
JDK-8356030	RISC-V: enable (part of) BasicDoubleOpTest.java
JDK-8356032	createAutoconfBundle.sh downloads to local directory
JDK-8356036	(fs) FileKey.hashCode and UnixFileStore.hashCode implementations can use Long.hashCode
JDK-8356040	java/util/PluggableLocale/LocaleNameProvider Test.java timed out

Issue ID	Summary
JDK-8356049	Need a simple way to play back a sound clip
JDK-8356050	Problemist jdk, langtools & lib-test tier1 tests requiring runtime usages of <jdk>/bin/tools for static-jdk
JDK-8356051	Update SignatureUtil.java with the new KnownOIDs
JDK-8356053	Test java/awt/Toolkit/Headless/HeadlessToolkit.jav a fails by timeout
JDK-8356057	PrintingProcessor (-Xprint) does not print type variable bounds and type annotations for Object supertypes
JDK-8356061	[macos] com/apple/laf/RootPane/RootPaneDefaultButt onTest.java test fails on macosx-aarch64 machine
JDK-8356075	Support Shenandoah GC in JVMCI
JDK-8356080	Address post-integration comments for Stable Values
JDK-8356083	ZGC: Duplicate ZTestEntry symbols in gtests
JDK-8356084	C2: Data is wrongly rewired to Initialized Assertion Predicates instead of Template Assertion Predicates
JDK-8356085	AArch64: compiler stub buffer size wrongly depends on ZGC

Issue ID	Summary
JDK-8356087	Problematic KeyInfo check using key algorithm in P11SecretKeyFactory class
JDK-8356089	java/lang/IO/IO.java fails with -XX:+AOTClassLinking
JDK-8356095	AArch64: Obsolete -XX:+NearCPool option
JDK-8356096	ISO 4217 Amendment 179 Update
JDK-8356102	TestJcmdOutput, JcmdWithNMTDIsabled and DumpSharedDictionary hs/tier1 tests fail on static-jdk
JDK-8356107	[java.lang] Use @requires tag instead of exiting based on os.name or separatorChar property
JDK-8356108	Update SourceVersion.RELEASE_25 description for JEPs 511 and 512
JDK-8356114	java/foreign/TestBufferStackStress2.java failed with junit action timed out
JDK-8356119	Typo in bytecode behavior for Lookup.findGetter
JDK-8356122	Client build fails after JDK-8350209
JDK-8356125	Interned strings are omitted from AOT cache
JDK-8356126	Duplication handling and optimization of CaptureCallState
JDK-8356128	Correct documentation for --linux-package -deps

Issue ID	Summary
JDK-8356145	ListEnterExitTest.java fails on macos
JDK-8356152	String.concat can throw StringIndexOutOfBoundsException
JDK-8356153	Shenandoah stubs are missing in AOT Code Cache addresses table
JDK-8356154	Respecify java.net.Socket constructors that allow creating UDP sockets to throw IllegalArgumentException
JDK-8356157	Remove retry loop in collect of SerialHeap and ParallelScavengeHeap
JDK-8356159	RISC-V: Add Zabha
JDK-8356165	System.in in jshell replace supplementary characters with ??
JDK-8356172	IdealGraphPrinter doesn't need ThreadCritical
JDK-8356173	Remove ThreadCritical
JDK-8356175	Remove unnecessary Map.get from XWM.getInsets
JDK-8356177	Regression after JDK-8352180
JDK-8356182	Build fails on aarch64 without ZGC
JDK-8356187	TestJcmd.java may incorrectly parse podman version

Issue ID	Summary
JDK-8356188	RISC-V: Cleanup effect of vmaskcmp_fp
JDK-8356192	Enable AOT code caching only on supported platforms
JDK-8356193	Remove tests from ProblemList-enable-preview.txt fixed by JDK-8344706
JDK-8356208	Remove obsolete code in PSPrinterJob for plugin printing
JDK-8356209	ProblemList failed gtests on static-jdk
JDK-8356212	runtime/cds/appcds/LotsOfSyntheticClasses.java timed out with -XX:+AOTClassLinking
JDK-8356219	jpackage places libapplauncher.so in incorrect location in the app image
JDK-8356221	Clarify Console.charset() method description
JDK-8356222	Thread.print command reports waiting on the Class initialization monitor for both carrier and virtual threads
JDK-8356224	JFR: Default value of @Registered is ignored
JDK-8356226	JCov Grabber server didn't respond
JDK-8356229	cmp-baseline build fail due to lib/modules difference
JDK-8356233	NMT: tty→print_cr should not be used in VirtualMemoryTracker::add_reserved_region()

Issue ID	Summary
JDK-8356245	stdin.encoding and stdout.encoding in jshell don't respect console code pages
JDK-8356246	C2: Compilation fails with "assert(bol → is_Bool()) failed: unexpected if shape" in StringConcat::eliminate_unneeded_control
JDK-8356251	Need minor cleanup for interp_only_mode
JDK-8356259	Lift basic -Xlog:jit* logging to "info" level
JDK-8356266	Fix non-Shenandoah build after JDK-8356075
JDK-8356269	Fix broken web-links after JDK-8295470
JDK-8356275	TestCodeEntryAlignment fails with "Alignment must be ≤ CodeEntryAlignment"
JDK-8356276	JavaScript error in script.js after JDK-8348282
JDK-8356281	Fix for TestFPComparison failure due to incorrect result
JDK-8356308	Assert with -Xlog:class+path when classpath has an empty element
JDK-8356309	Fix issues uncovered after running jpackage tests locally with installing test packages
JDK-8356310	compiler/print/TestPrintAssemblyDeoptRace.java fails with Improperly specified VM option 'DeoptimizeALot'
JDK-8356318	Unexpected VerifyError in AOT training run

Issue ID	Summary
JDK-8356328	Some C2 IR nodes miss size_of() function
JDK-8356329	Report compact object headers in hs_err
JDK-8356335	Remove linux-x86 from jib profiles
JDK-8356372	JVMTI heap sampling not working properly with outside TLAB allocations
JDK-8356379	Need a proper way to test existence of binary from configure
JDK-8356390	Rename ResolvedIndyEntry::set_flags to set_has_appendix
JDK-8356394	Remove USE_LIBRARY_BASED_TLS_ONLY macro
JDK-8356395	Spec needs to be clarified for InterfaceAddress class level API documentation and getBroadcast() method
JDK-8356407	Part of class verification is skipped in AOT training run
JDK-8356420	Provide examples on wrapping System.in
JDK-8356441	IllegalStateException in RichDiagnosticFormatter after JDK-8355065
JDK-8356443	Update open/test/jdk/TEST.groups manual test groups definitions with missing manual test
JDK-8356447	Change default for EagerJVMCI to true

Issue ID	Summary
JDK-8356450	NPE in CLDRTimeZoneNameProviderImpl for tzdata downgrades after JDK-8342550
JDK-8356453	C2: assert(!vbox→is_Phi()) during vector box expansion
JDK-8356455	ZGC: Replace ZIntrusiveRBTree with IntrusiveRBTree
JDK-8356486	ReverseOrderListView should override reversed() to return base
JDK-8356551	Javac rejects receiver parameter in constructor of local class in early construction context
JDK-8356553	Incorrect uses of {@link} in AbstractQueuedLongSynchronizer and AbstractQueuedSynchronizer
JDK-8356555	Incorrect use of {@link} in BigDecimal
JDK-8356562	SigningApplImageTwoStepsTest test fails
JDK-8356571	Re-enable -Wtype-limits for GCC in LCMS
JDK-8356577	Migrate ClassFileVersionTest to be feature-agnostic
JDK-8356587	Missing object ID X in pool jdk.types.Method
JDK-8356588	Some nsk/jdi tests can fetch ThreadReference from static field in the debuggee: part 3
JDK-8356593	RISC-V: Small improvement to array fill stub

Issue ID	Summary
JDK-8356594	JSplitPane loses divider location when reopened via JOptionPane.createDialog()
JDK-8356595	Convert -Xlog:cds to -Xlog:aot (step1)
JDK-8356597	AOT cache and CDS archive should not be created in read-only mode
JDK-8356605	JRSUIControl.hashCode and JRSUIState.hashCode can use Long.hashCode
JDK-8356606	(fs) PosixFileAttributes.permissions() implementations should return an EnumSet
JDK-8356629	Incorrect use of {@linkplain} in java.sql
JDK-8356631	OopHandle replacement methods should not be called on empty handles
JDK-8356632	Fix remaining {@link/@linkplain} tags with refer to private/protected types in java.base
JDK-8356633	Incorrect use of {@link} in jdk.jshell
JDK-8356634	VectorShape#largestShapeFor should have public access
JDK-8356641	Test com/sun/jdi/EarlyThreadGroupChildrenTest.java fails sometimes on macOS
JDK-8356642	RISC-V: enable hotspot/jtreg/compiler/vectorapi/VectorFusedMultiplyAddSubTest.java

Issue ID	Summary
JDK-8356644	Update encoding declaration to UTF-8
JDK-8356647	C2: Excessively strict assert in PhaseldealLoop::do_unroll
JDK-8356648	runtime/Thread/AsyncExceptionTest.java fails with +StressCompiledExceptionHandler
JDK-8356649	Update JCTest stress test suite
JDK-8356656	Drop unused DEVKIT_HOME from jib-profiles.js
JDK-8356657	Use stable source-date for cmp-baseline jib profiles
JDK-8356658	java/foreign/TestBufferStackStress2.java failed again with junit action timed out
JDK-8356664	[macos] AppContentTest fails after JDK-8352480
JDK-8356667	GenShen: Eliminate races with ShenandoahFreeSet::available()
JDK-8356678	(fs) Files.readAttributes should map ENOTDIR to NoSuchFileException where possible (unix)
JDK-8356686	doc/building.html is not up to date after JDK-8301971
JDK-8356689	Make HotSpot Style Guide change process more prominent
JDK-8356693	AOT assembly phase fails with -javaagent

Issue ID	Summary
JDK-8356694	Removed unused subclass audits in ObjectInput/OutputStream
JDK-8356695	java/lang/StringBuilder/HugeCapacity.java failing with OOME
JDK-8356698	JFR: @Contextual
JDK-8356700	RISC-V: Declare incompressible scope in fill_words / zero_memory assembler routines
JDK-8356702	CTW: Update modules
JDK-8356708	C2: loop strip mining expansion doesn't take sunk stores into account
JDK-8356709	Avoid redundant String formatting in BigDecimal.valueOf(double)
JDK-8356716	ZGC: Cleanup Uncommit Logic
JDK-8356752	Log mouse enter and exit events for debugging
JDK-8356774	AArch64: StubGen final stubs buffer too small for ZGC on Cavium CPU
JDK-8356778	Compiler add event logging in case of failures
JDK-8356783	CompilerTask hot_method is redundant
JDK-8356803	Test TextLayout/TestControls fails on windows & linux: line and paragraph separator show non-zero advance

Issue ID	Summary
JDK-8356811	Some nsk/jdi tests can fetch ThreadReference from static field in the debuggee: part 4
JDK-8356812	Create an automated version of TextLayout/TestControls
JDK-8356814	LineBreakMeasurer.nextLayout() slower than necessary when no break needed
JDK-8356816	JFR: Move printing of metadata into separate class
JDK-8356819	[macos] MacSign should use "openssl" and "faketime" from Homebrew by default
JDK-8356820	fixpath should allow + in paths on Windows
JDK-8356822	Refactor HTML anchor tags to javadoc in Charset
JDK-8356838	AOT incorrectly sets a cached class's loader type to boot
JDK-8356843	Avoid redundant HashMap.get to obtain old value in Toolkit.setDesktopProperty
JDK-8356844	Missing @Serial annotation for sun.print.CustomOutputBin#serialVersionUID
JDK-8356846	Remove unnecessary List.contains key from TIFFDirectory.removeTagSet
JDK-8356847	Problem list two test cases for JDK-8284234
JDK-8356848	Separate Metaspace and GC printing

Issue ID	Summary
JDK-8356866	Cleanup hotspot/jtreg/ProblemList.txt
JDK-8356869	RISC-V: Improve tail handling of array fill stub
JDK-8356870	HotSpotDiagnosticMXBean.dumpThreads and jcmd Thread.dump_to_file updates
JDK-8356875	RISC-V: extension flag UseZvfh should depends on UseZfh
JDK-8356880	ZGC: Backoff in ZLiveMap::reset spin-loop
JDK-8356885	Don't emit C1 profiling for casts if TypeProfileCasts is off
JDK-8356888	(fs) FileSystems.newFileSystem that take an env must specify IllegalArgumentException
JDK-8356891	Some code simplifications in BigInteger
JDK-8356892	runtime/jni/CalleeSavedRegisters/FPRegs.java fails on static-jdk
JDK-8356894	Adjust CreateSymbols to properly handle the newly added @jdk.internal.RequiresIdentity
JDK-8356904	Skip jdk/test/lib/process/TestNativeProcessBuilder on static-jdk
JDK-8356924	RISC-V: Clean up cost for vector instructions
JDK-8356942	invokeinterface Throws AbstractMethodError Instead of IncompatibleClassChangeError

Issue ID	Summary
JDK-8356945	jdk/jfr/event/os/TestProcessStart failed on Windows Subsystem for Linux
JDK-8356946	x86: Optimize interpreter profile updates
JDK-8356949	AArch64: Tighten up template interpreter method entry code
JDK-8356966	java/awt/Graphics2D/DrawString/IgnoreWhitespaceTest.java fails on Linux after JDK-8350203
JDK-8356971	[JVMCI] Export VM_Version::supports_avx512_simd_sort to JVMCI compiler
JDK-8356974	tools/launcher/ToolsOpts.java fails if the build id contains "-J"
JDK-8356977	UTF-8 cleanups
JDK-8356985	Use "stdin.encoding" in Console's read*() methods
JDK-8356989	Unexpected null in C2 compiled code
JDK-8356998	Convert -Xlog:cds to -Xlog:aot (step 2)
JDK-8357000	Write overview documentation for start of release changes
JDK-8357013	URLConnection#getResponseCode can avoid substring call when parsing to int

Issue ID	Summary
JDK-8357016	Candidate main methods not computed properly
JDK-8357018	Guidance for ParallelRefProcEnabled is wrong in the man pages
JDK-8357033	Reduce stateless session ticket size
JDK-8357047	[ubsan] AdapterFingerPrint::AdapterFingerPrint runtime error: index 3 out of bounds
JDK-8357048	RunTest variables should always be assigned
JDK-8357052	java/io/File/GetXSpace.java prints wrong values in exception
JDK-8357056	RISC-V: Asm fixes - load/store width
JDK-8357062	Update Public Suffix List to 823beb1
JDK-8357063	Document preconditions for DecimalDigits methods
JDK-8357075	Remove leftover COMPAT locale data tests
JDK-8357081	Removed unused methods of HexDigits
JDK-8357082	Stabilize and add debug logs to CopyAreaOOB.java
JDK-8357084	Zero build fails after JDK-8354887

Issue ID	Summary
JDK-8357105	C2: compilation fails with "assert(false) failed: empty program detected during loop optimization"
JDK-8357106	Add missing classpath exception copyright headers
JDK-8357109	Parallel: Fix typo in YoungedGeneration
JDK-8357135	java.lang.OutOfMemoryError: Error creating or attaching to libjvmpi after JDK-8356447
JDK-8357143	New test AOTCodeCompressedOopsTest.java fails on platforms without AOT Code Cache support
JDK-8357145	CRC/Inflater/Deflater/Adler32 methods that take a ByteBuffer throw UOE if backed by shared memory segment
JDK-8357146	ForkJoinPool:schedule(*) does not throw RejectedExecutionException when pool is shutdown
JDK-8357149	Test runtime/cds/appcds/aotCode/AOTCodeFlags.java is broken after JDK-8354887
JDK-8357155	[asan] ZGC does not work (x86_64 and ppc64)
JDK-8357165	test java/lang/invoke/ClassValueTest.java fails intermittently
JDK-8357166	Many AOT tests failed with VM crash

Issue ID	Summary
JDK-8357171	Test tools/jpackage/windows/WinOSConditionTest.java fails for non administrator
JDK-8357172	Extend try block in nsk/jdi tests to capture exceptions thrown by Debuggee.classNameBy()
JDK-8357173	Split jtreg test group jdk tier3
JDK-8357175	Failure to generate or load AOT code should be handled gracefully
JDK-8357176	java.awt.javadoc code examples still use Applet API
JDK-8357178	Simplify Class::componentType
JDK-8357179	Deprecate VFORK launch mechanism from Process implementation (linux)
JDK-8357184	Test vmTestbase/nsk/jdi/ExceptionEvent/itself/exevent008/TestDescription.java fails with unreported exception
JDK-8357187	JFR: User-defined defaults should be respected when an incorrect setting is set
JDK-8357193	[VS 2022 17.14] Warning C5287 in debugInit.c: enum type mismatch during build
JDK-8357218	G1: Remove loop in G1CollectedHeap::try_collect_fullgc
JDK-8357223	AArch64: Optimize interpreter profile updates

Issue ID	Summary
JDK-8357224	Avoid redundant WeakHashMap.get in Toolkit.removeAWTEventListener
JDK-8357250	assert(shift >= 0 && shift < 4) failed: unexpected compressedd klass shift!
JDK-8357253	Test test/jdk/sun/security/ssl/SSLSessionImpl/ResumeClientTLS12withSNI.java writes in src dir
JDK-8357267	ZGC: Handle APX EGPRs spilling in ZRuntimeCallSpill
JDK-8357268	Use <code>JavaNioAccess.getBufferAddress</code> rather than <code>DirectBuffer.address()</code>
JDK-8357275	<code>Locale.Builder.setLanguageTag</code> should mention conversions made on language tag
JDK-8357280	(bf) Remove @requires tags from <code>java/nio/Buffer/LimitDirectMemory[NegativeTest].java</code>
JDK-8357281	<code>sun.util.Locale.LanguageTag</code> should be immutable
JDK-8357282	Test <code>vmTestbase/nsk/jvmti/AttachOnDemand/attach045/TestDescription.java</code> fails after <code>ClassNotFoundException</code>
JDK-8357285	JSR166 Test case <code>testShutdownNow_delayedTasks</code> failed

Issue ID	Summary
JDK-8357287	Unify usage of ICC profile "header size" constants in CMM-related code
JDK-8357299	Graphics copyArea doesn't copy any pixels when there is overflow
JDK-8357303	(fs) UnixSecureDirectoryStream.implDelete has unused haveFlags parameter
JDK-8357304	[PPC64] C2: Implement MinV, MaxV and Reduction nodes
JDK-8357305	Compilation failure in javax/swing/JMenuItem/bug6197830.java
JDK-8357306	G1: Remove _gc_succeeded from VM_G1CollectForAllocation because it is always true
JDK-8357307	VM GC operations should have a public gc_succeeded()
JDK-8357361	Exception when compiling switch expression with inferred type
JDK-8357370	Export supported GCs in JVMCI
JDK-8357376	Disable syntax highlighting for JDK API docs
JDK-8357401	BigDecimal: Constants ONE_TENTH and ONE_HALF are unused after JDK-8341402
JDK-8357402	Crash in AdapterHandlerLibrary::lookup

Issue ID	Summary
JDK-8357406	Remove usages of <code>jdk.tracePinnedThreads</code> system property from <code>httpClient</code> tests
JDK-8357408	<code>runtime/interpreter/CountBytecodesTest.java</code> should be flagless
JDK-8357425	(fs) <code>SecureDirectoryStream</code> <code>setPermissions</code> should use <code>fchmodat</code>
JDK-8357434	x86: Simplify <code>Interpreter::profile_taken_branch</code>
JDK-8357436	Change <code>jspawnhelper</code> warning recommendation from <code>VFORK</code> to <code>FORK</code>
JDK-8357443	ZGC: Optimize old page iteration in <code>remap remembered</code> phase
JDK-8357448	AOT crashes on linux musl with <code>AddReads.java</code>
JDK-8357449	ZGC: Multiple medium page sizes
JDK-8357452	Remove code span highlight in <code>JavaDoc</code> default stylesheet
JDK-8357458	Missing <code>Highlight.js</code> license file
JDK-8357460	RISC-V: Optimize array fill stub for small size
JDK-8357462	Amend <code>open/test/jdk/java/foreign/TestMatrix.java</code> test scenario to run as manual
JDK-8357468	[asan] heap buffer overflow reported in <code>PcDesc::pc_offset()</code> <code>PcDesc.hpp:57</code>

Issue ID	Summary
JDK-8357478	Fix copyright header in src/jdk.jpackage/share/classes/jdk/jpackage/internal/ApplImageDesc.java
JDK-8357481	Excessive CompileTask wait/notify monitor creation
JDK-8357503	gcbasher fails with java.lang.IllegalArgumentException: Unknown constant pool type
JDK-8357504	Refactor the assignment of loader bits in InstanceClassFlags
JDK-8357506	[JVMCI] Consolidate eager JVMCI initialization code
JDK-8357510	[REDO] RunTest variables should always be assigned
JDK-8357511	[BACKOUT] 8357048: RunTest variables should always be assigned
JDK-8357514	Disable AOT caching for runtime stubs
JDK-8357525	Default CDS archive becomes non-deterministic after JDK-8305895
JDK-8357530	C2 SuperWord: Diagnostic flag AutoVectorizationOverrideProfitability
JDK-8357539	TimeSource.now() is not monotonic
JDK-8357550	GenShen crashes during freeze: assert(!chunk→requires_barriers()) failed

Issue ID	Summary
JDK-8357559	G1HeapRegionManager refactor rename functions related to the number of regions in different states
JDK-8357561	BootstrapLoggerTest does not work on Ubuntu 24 with LANG de_DE.UTF-8
JDK-8357563	Shenandoah headers leak un-prefixed defines
JDK-8357568	IGV: Show NULL and numbers up to 4 characters in "Condense graph" filter
JDK-8357576	FieldInfo::_index is not initialized by the constructor
JDK-8357581	[JVMCI] Add HotSpotProfilingInfo
JDK-8357592	Update output parsing in test/jdk/sun/security/tools/jarsigner/compatibility/Compatibility.java
JDK-8357597	Proxy.getInvocationHandler throws NullPointerException instead of IllegalArgumentException for null
JDK-8357598	Toolkit.removeAWTEventListener should handle null listener in AWTEventListenerProxy
JDK-8357600	Patch nmethod flushing message to include more details
JDK-8357619	[JVMCI] Revisit phantom_ref parameter in JVMCINMethodData::get_nmethod_mirror
JDK-8357621	G1: Clean up G1BiasedArray

Issue ID	Summary
JDK-8357626	RISC-V: Tighten up template interpreter method entry code
JDK-8357637	Native resources cached in thread locals not released when FJP common pool threads clears thread locals
JDK-8357638	Problemlist more Hotspot tests for static JDK
JDK-8357644	Add missing CPE statements
JDK-8357647	Stream gatherers forward upstream size information to downstream
JDK-8357649	IGV: add block index to the supplemental node properties
JDK-8357650	ThreadSnapshot to take snapshot of thread for thread dumps
JDK-8357654	[BACKOUT] JDK-8343580: Type error with inner classes of generic classes in functions generic by outer
JDK-8357660	[JVMCI] Add support for retrieving all BootstrapMethodInvocations directly from ConstantPool
JDK-8357671	JFR: Remove JfrTraceIdEpoch synchronizing
JDK-8357672	Extreme font sizes can cause font substitution
JDK-8357673	remove test serviceability/jvmti/vthread/TestPinCaseWithCFLH

Issue ID	Summary
JDK-8357675	Amend headless message
JDK-8357681	Fixed the DigitList::toString method causing incorrect results during debugging
JDK-8357683	(process) SIGQUIT still blocked after JDK-8234262 with jdk.lang.Process.launchMechanism=FORK or VFORK
JDK-8357685	Change the type of Integer::digits from char[] to byte[]
JDK-8357690	Add @Stable and final to java.lang.CharacterDataLatin1 and other CharacterData classes
JDK-8357693	AOTCodeCompressedOopsTest.java failed with -XX:+UseLargePages
JDK-8357695	RISC-V: Move vector intrinsic condition checks into match_rule_supported_vector
JDK-8357696	Enhance code consistency: java.desktop/unix
JDK-8357781	Deep recursion in PhaseCFG::set_next_call leads to stack overflow
JDK-8357782	JVM JIT Causes Static Initialization Order Issue
JDK-8357793	[PPC64] VM crashes with -XX:-UseSIGTRAP -XX:-ImplicitNullChecks
JDK-8357796	Stylesheet adjustments after JDK-8357452

Issue ID	Summary
JDK-8357797	Use StructuredTaskScopImpl.ST_NEW for state init
JDK-8357798	ReverseOrderListView uses Boolean boxes after JDK-8356080
JDK-8357800	Initialize JvmtiThreadState bool fields with bool literals
JDK-8357801	Parallel: Remove deprecated PSVirtualSpace methods
JDK-8357808	Add a command line option for specifying a counter in TestRandomFloatingDecimal
JDK-8357829	Commented out sample limit in JfrSamplerThread::task_stacktrace
JDK-8357830	JfrVframeStream::_cont_entry shadows super-class field
JDK-8357842	PandocFilter misses copyright header
JDK-8357854	Parallel: Inline args of PSOldGen::initialize_performance_counters
JDK-8357869	Remove PreviewNote taglet in its current form
JDK-8357882	Use UTF-8 encoded data in LocaleDataTest
JDK-8357886	Remove TimeZoneNames_* of the COMPAT locale data provider
JDK-8357910	LoaderConstraintsTest.java fails when run with TEST_THREAD_FACTORY=Virtual

Issue ID	Summary
JDK-8357911	JFR: Fix subtle xor method tagging bug
JDK-8357912	(fs) Remove @since tag from java.nio.file.FileSystems.newFileSystem(Path,ClassLoader)
JDK-8357914	TestEmptyBootstrapMethodsAttr.java fails when run with TEST_THREAD_FACTORY=Virtual
JDK-8357917	Assert in MetaspaceShared::preload_and_dump() when printing exception
JDK-8357919	Arena::allocate returns segments with address zero if the segment length is zero after JDK- 8345687
JDK-8357920	Add .rej and .orig to .gitignore
JDK-8357924	Remove runtime/ErrorHandler/CreateCoredumpOnCrash.java from problem list for macosx-x64
JDK-8357930	Amendment for JDK-8333664
JDK-8357944	Remove unused CollectedHeap::is_maximal_no_gc
JDK-8357954	G1: No SATB barriers applied for runtime IN_NATIVE atomics
JDK-8357955	java.lang.classfile.Signature.ArrayTypeSig.of IAE not thrown for dims > 255

Issue ID	Summary
JDK-8357962	JFR Cooperative Sampling reveals inconsistent interpreter frames as part of JVMTI PopFrame
JDK-8357968	RISC-V: Interpreter volatile reference stores with G1 are not sequentially consistent
JDK-8357976	GenShen crash in swap_card_tables: Should be clean
JDK-8357981	[PPC64] Remove old instructions from VM_Version::determine_features()
JDK-8357982	Fix several failing BMI tests with -XX:+UseAPX
JDK-8357987	[JVMCI] Add support for retrieving all methods of a ResolvedJavaType
JDK-8357991	make bootcycle-images is broken after JDK-8349665
JDK-8357999	SA: FileMapInfo.metadataTypeArray initialization issue after JDK-8355003
JDK-8358003	KlassTrainingData initializer reads garbage holder
JDK-8358004	Delete applications/scimark/Scimark.java test
JDK-8358013	[PPC64] VSX has poor performance on Power8
JDK-8358015	Fix SequencedMap sequenced view method specifications
JDK-8358017	Various enhancements of jpackage test helpers

Issue ID	Summary
JDK-8358035	Remove unused <code>compute_fingerprint</code> declaration in <code>ClassFileStream</code>
JDK-8358057	Update validation of <code>ICC_Profile</code> header data
JDK-8358066	Non-ascii package names gives compilation error "import requires canonical name"
JDK-8358076	<code>KeyFactory.getInstance("EdDSA").generatePublic(null)</code> throws NPE
JDK-8358077	<code>sun.tools.attach.VirtualMachineImpl::checkCatchesAndSendQuitTo</code> on Linux leaks file handles after JDK-8327114
JDK-8358078	<code>javap</code> crashes with NPE on preview class file
JDK-8358089	Remove the <code>GenerateKeyList.java</code> test tool
JDK-8358095	Cleanup tests with explicit locale provider set to only CLDR
JDK-8358099	PEM spec updates
JDK-8358102	GenShen: Age tables could be seeded with cumulative values
JDK-8358104	Fix ZGC compilation error on GCC 10.2
JDK-8358105	RISC-V: Optimize interpreter profile updates
JDK-8358107	Rollback JDK-8357299 changeset

Issue ID	Summary
JDK-8358129	compiler/startup/StartupOutput.java runs into out of memory on Windows after JDK-8347406
JDK-8358136	Make langtools/jdk/javadoc/doclet/testLinkOption/TestRedirectLinks.java intermittent
JDK-8358151	Harden JSR166 Test case testShutdownNow_delayedTasks
JDK-8358158	test/jdk/java/io/Console/CharsetTest.java failing with NoClassDefFoundError: jrtreg/SkippedException
JDK-8358169	Shenandoah/JVMCI: Export GC state constants
JDK-8358170	Repurpose testCompat in test/jdk/java/util/TimeZone/Bug8167143.java
JDK-8358171	Additional code coverage for PEM API
JDK-8358178	Some nsk/jdi tests should be run with includevirtualthreads=y even though they pass without
JDK-8358179	Performance regression in Math.cbrt
JDK-8358183	[JVMCI] crash accessing nmethod::jvmci_name in CodeCache::aggregate
JDK-8358202	ProblemList vmTestbase/nsk/jvmti/AttachOnDemand/attach045/TestDescription.java

Issue ID	Summary
JDK-8358205	Remove unused JFR array allocation code
JDK-8358215	ProblemList jdk/incubator/vector/PreferredSpeciesTest.java
JDK-8358217	jdk/incubator/vector/PreferredSpeciesTest.java #id0 failures - expected [128] but found [256]
JDK-8358218	ProblemList jdk/incubator/vector/PreferredSpeciesTest.java #id0
JDK-8358230	Incorrect location for the assert for blob != nullptr in CodeBlob::create
JDK-8358231	Template interpreter generator crashes with ShouldNotReachHere on some platforms after 8353686
JDK-8358236	[AOT] Graal crashes when trying to use persisted MDOs
JDK-8358254	[AOT] runtime/cds/appcds/applications/JavacBench.java #aot crashes with SEGV in ClassLoaderData::holder
JDK-8358259	ProblemList compiler/startup/StartupOutput.java on Windows
JDK-8358283	Inconsistent failure mode for MetaspaceObj::operator new(size_t, MemTag)

Issue ID	Summary
JDK-8358284	doc/testing.html is not up to date after JDK-8355003
JDK-8358289	[asan] runtime/cds/appcds/aotCode/AOTCodeFlags.java reports heap-buffer-overflow in ArchiveBuilder
JDK-8358310	ZGC: riscv, ppc ZPlatformAddressOffsetBits may return a too large value
JDK-8358313	G1: Refactor G1CollectedHeap::is_maximal_no_gc
JDK-8358316	PKCS8Key.getEncoded() can throw NPE after JDK-8298420
JDK-8358318	JFR: Tighten up PlatformTracer initialization
JDK-8358319	Pem.decode should cache the Pattern
JDK-8358330	AsmRemarks and DbgStrings clear() method may not get called before their destructor
JDK-8358333	Use VEX2 prefix in Assembler::psllq
JDK-8358334	C2/Shenandoah: incorrect execution with Unsafe
JDK-8358337	JDK-8357991 was committed with incorrect indentation
JDK-8358339	Handle MethodCounters::_method backlinks after JDK-8355003

Issue ID	Summary
JDK-8358429	JFR: minimize the time the Threads_lock is held for sampling
JDK-8358448	JFR: Incorrect time unit for MethodTiming event
JDK-8358449	Locale.getISOCountries does not specify the returned set is unmodifiable
JDK-8358456	ZipFile.getInputStream(ZipEntry) throws unspecified IllegalArgumentException
JDK-8358496	Concurrent reading from Socket with timeout executes sequentially
JDK-8358515	make cmp-baseline is broken after JDK-8349665
JDK-8358526	Clarify behavior of java.awt.HeadlessException constructed with no-args
JDK-8358534	Bailout in Conv2B::Ideal when type of cmp input is not supported
JDK-8358536	jdk/jfr/api/consumer/TestRecordingFileWrite.java times out
JDK-8358538	Update GHA Windows runner to 2025
JDK-8358539	ProblemList jdk/jfr/api/consumer/TestRecordingFileWrite.java
JDK-8358543	Remove CommentChecker.java and DirDiff.java

Issue ID	Summary
JDK-8358558	(zipfs) Reorder the listing of "accessMode" property in the ZIP file system's documentation
JDK-8358588	ThreadSnapshot.ThreadLock should be static nested class
JDK-8358590	JFR: Include min and max in MethodTiming event
JDK-8358617	java/net/URLConnection/URLConnectionExpectContinueTest.java fails with 403 due to system proxies
JDK-8358619	Fix interval recomputation in CPU Time Profiler
JDK-8358621	Reduce busy waiting in worse case at the synchronization point returning from native in CPU Time Profiler
JDK-8358628	[BACKOUT] 8342818: Implement JEP 509: JFR CPU-Time Profiling
JDK-8358632	[asan] reports heap-buffer-overflow in AOTCodeCache::copy_bytes
JDK-8358633	Test ThreadPoolExecutorTest::testTimedInvokeAny TimeUnit is broken by JDK-8347491
JDK-8358634	RISC-V: Fix several broken documentation web-links
JDK-8358645	Access violation in ThreadsSMRSupport::print_info_on during thread dump

Issue ID	Summary
JDK-8358666	[REDO] Implement JEP 509: JFR CPU-Time Profiling
JDK-8358680	AOT cache creation fails: no strings should have been added
JDK-8358689	test/micro/org/openjdk/bench/java/net/SocketEventOverhead.java does not build after JDK-8351594
JDK-8358701	Remove misleading javax.management.remote API doc wording about JMX spec, and historic link to JMXMP
JDK-8358750	JFR: EventInstrumentation MASK_THROTTLE* constants should be computed in longs
JDK-8358764	(sc) SocketChannel.close when thread blocked in read causes connection to be reset (win)
JDK-8358809	Improve link to stdin.encoding from java.lang.IO
JDK-8358892	RISC-V: jvm crash when running dacapo sunflow after JDK-8352504
JDK-8359024	Accessibility bugs in API documentation
JDK-8359045	RISC-V: construct test to verify invocation of C2_MacroAssembler::enc_cmove_cmp_fp ⇒ BoolTest::ge/gt
JDK-8359135	New test TestCPUTimeSampleThrottling fails intermittently

Issue ID	Summary
JDK-8359170	Add 2 TLS and 2 CS Sectigo roots
JDK-8359181	Error messages generated by configure --help after 8301197
JDK-8359200	Memory corruption in MStack::push
JDK-8359242	JFR: Missing help text for method trace and timing
JDK-8359248	JFR: Help text for- XX:StartFlightRecording:report-on-exit should explain option can be repeated
JDK-8359268	3 JNI exception pending defect groups in 2 files
JDK-8359272	Several vmTestbase/compact tests timed out on large memory machine
JDK-8359327	Incorrect AVX3Threshold results into code buffer overflows on APX targets
JDK-8359337	XML/JAXP tests that make network connections should ensure that no proxy is selected
JDK-8359364	java/net/URL/EarlyOrDelayedParsing test fails intermittently
JDK-8359386	Fix incorrect value for max_size of C2CodeStub when APX is used
JDK-8359402	Test CloseDescriptors.java should throw SkippedException when there is no lsof/sctp

Issue ID	Summary
JDK-8359436	AOTCompileEagerly should not be diagnostic
JDK-8359593	JFR: Instrumentation of java.lang.String corrupts recording
JDK-8359596	Behavior change when both -Xlint:options and -Xlint:-options flags are given
JDK-8359646	C1 crash in AOTCodeAddressTable::add_C_string
JDK-8359678	C2: assert(static_cast<T1>(result) == thing) caused by ReverseBytesNode::Value()
JDK-8359709	java.net.HttpURLConnection sends unexpected "Host" request header in some cases after JDK- 8344190
JDK-8359761	JDK 25 RDP1 L10n resource files update
JDK-8359788	Internal Error: assert(get_instanceKlass() →is_loaded()) failed: must be at least loaded
JDK-8359830	Incorrect os.version reported on macOS Tahoe 26 (Beta)
JDK-8359870	JVM crashes in AccessInternal::PostRuntimeDispatch
JDK-8359889	java/awt/MenuItem/SetLabelTest.java inadvertently triggers clicks on items pinned to the taskbar
JDK-8359895	JFR: method-timing view doesn't work

Issue ID	Summary
JDK-8360042	GHA: Bump MSVC to 14.44
JDK-8360147	Better Glyph drawing redux
JDK-8360164	AOT cache creation crashes in ~ThreadTotalCPUTimeClosure()
JDK-8360201	JFR: Initialize JfrThreadLocal::_sampling_critical_section
JDK-8360287	JFR: PlatformTracer class should be loaded lazily
JDK-8360288	Shenandoah crash at size_given_klass in op_degenerated
JDK-8360312	Serviceability Agent tests fail with JFR enabled due to unknown thread type JfrRecorderThread
JDK-8360403	Disable constant pool ID assert during troubleshooting
JDK-8360405	[PPC64] some environments don't support mfdscr instruction
JDK-8360416	Incorrect l10n test case in sun/security/tools/keytool/i18n.java
JDK-8360599	[TESTBUG] DumpThreadsWithEliminatedLock.java fails because of unstable inlining
JDK-8360679	Shenandoah: AOT saved adapter calls into broken GC barrier stub

Issue ID	Summary
JDK-8360775	Fix Shenandoah GC test failures when APX is enabled
JDK-8360776	Disable Intel APX by default and enable it with -XX:+UnlockExperimentalVMOptions -XX:+UseAPX in all builds
JDK-8360887	(fs) Files.getFileAttributeView returns unusable FileAttributeView if UserDefinedFileAttributeView unavailable (aix)
JDK-8360942	[ubsan] aotCache tests trigger runtime error: applying non-zero offset 16 to null pointer in CodeBlob::relocation_end()
JDK-8361101	AOTCodeAddressTable::_stubs_addr not initialized/freed properly
JDK-8361175	JFR: Document differences between method sample events
JDK-8361183	JDK-8360887 needs fixes to avoid cycles and better tests (aix)
JDK-8361214	An anonymous class is erroneously being classify as an abstract class
JDK-8361259	JDK25: Backout JDK-8258229
JDK-8361299	(bf) CharBuffer.getChars(int,int,char[],int) violates pre-existing specification
JDK-8361328	cds/appcds/dynamicArchive/TestAutoCreateSh aredArchive.java archive timestamps comparison failed

Issue ID	Summary
JDK-8361338	JFR: Min and max time in MethodTime event is confusing
JDK-8361445	javac crashes on unresolvable constant in @SuppressWarnings
JDK-8361447	[REDO] Checked version of JNI Release<type>ArrayElements needs to filter out known wrapped arrays
JDK-8361529	GenShen: Fix bad assert in swap card tables
JDK-8361570	Incorrect 'sealed is not allowed here' compile-time error
JDK-8361587	AssertionError in File.listFiles() when path is empty and -esa is enabled
JDK-8361602	[TESTBUG] serviceability/HeapDump/UnmountedVThread NativeMethodAtTop.java deadlocks on exception
JDK-8361615	CodeBuilder::parameterSlot throws undocumented IOOBE
JDK-8361639	JFR: Incorrect top frame for I/O events
JDK-8361640	JFR: RandomAccessFile::readLine emits events for each character
JDK-8361754	New test runtime/jni/checked/TestCharArrayReleasing.java can cause disk full errors

Issue ID	Summary
JDK-8361827	[TESTBUG] serviceability/HeapDump/UnmountedVThread NativeMethodAtTop.java throws OutOfMemoryError
JDK-8361869	Tests which call ThreadController should mark as /native
JDK-8361905	Problem list serviceability/sa/ClhsdbThreadContext.java on Windows due to JDK-8356704
JDK-8361952	Installation of MethodData::extra_data_lock() misses synchronization on reader side
JDK-8362097	JFR: Active Settings view broken
JDK-8362171	C2 fails with unexpected node in SuperWord truncation: ModI
JDK-8362250	ARM32: forward_exception_entry missing return address
JDK-8362429	AssertionError in File.listFiles(FileFilter FilenameFilter)
JDK-8362564	hotspot/jtreg/compiler/c2/TestLWLockingCode Gen.java fails on static JDK on x86_64 with AVX instruction extensions
JDK-8362565	ProblemList jdk/jfr/event/io/TestIOTopFrame.java
JDK-8362882	Update SubmissionPublisher() specification to reflect use of ForkJoinPool.asyncCommonPool()

Issue ID	Summary
JDK-8364038	Remove EA from the JDK 25 version string with first RC promotion
JDK-8364089	JDK 25 RDP2 L10n resource files update
JDK-8364258	ThreadGroup constant pool serialization is not normalized
JDK-8364370	java.text.DecimalFormat specification indentation correction
JDK-8364409	[BACKOUT] Consolidate Identity of self-inverse operations

JFX issues

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

Issue ID	Summary
JDK-8088343	Race condition in <code>javafx.concurrent.Task::cancel</code>
JDK-8089080	[TextArea] Caret disappear after pressing backspace to clear the content
JDK-8141391	Manual JFXPanel DnD test doesn't work
JDK-8146479	Scene is black after stage is restored (content changed while minimized)
JDK-8169285	Re-enable <code>javafx.swt</code> tests

Issue ID	Summary
JDK-8170720	VetoableListDecorator: Indexes to remove are not aggregated
JDK-8176813	Mac: Failure to exit full-screen programmatically in some cases
JDK-8185887	TableRowSkinBase fails to correctly virtualize cells in horizontal direction
JDK-8207333	[Linux, macOS] Column sorting is triggered always after context menu request on table header
JDK-8233179	VetoableListDecorator#sort throws IllegalArgumentException "duplicate children"
JDK-8234153	[TEST_BUG] Rewrite Popup_parentWindow_Test
JDK-8238435	[macOs] Remove use of CGEventTap
JDK-8245602	Ensemble8: HTML editor Toolbar gets scrolled out of view
JDK-8252566	TreeTableView: broken row layout for fixedCellSize
JDK-8276326	Empty Cells in TableView supposedly after using setFixedCellSize()
JDK-8277000	Tree-/TableRowSkin: replace listener to fixedCellSize by live lookup
JDK-8281384	Random chars on paste from Windows clipboard

Issue ID	Summary
JDK-8296284	Update CONTRIBUTING guidelines to state that JUnit 5 is used for tests
JDK-8296554	MouseLocationOnScreenTest sometime fails when system is busy
JDK-8299753	Tree/TableView: Column Resizing With Fractional Scale
JDK-8299755	Tree/TableView: Cursor Decouples From Divider When Resizing With Fractional Scale
JDK-8313424	JavaFX controls in the title bar (Preview)
JDK-8313556	Create implementation of NSAccessibilitySlider protocol
JDK-8313558	Create implementation of NSAccessibilityStepper protocol
JDK-8314482	TextFlow: TabStopPolicy
JDK-8318985	[macos] Incorrect 3D lighting on macOS 14 and later
JDK-8327478	Add System test to verify TextSelection issue for webkit-617.1
JDK-8328716	[TestBug] Screen capturing utility for failed tests
JDK-8329227	Seek might hang with fMP4 H.265/HEVC or H.265/HEVC over HTTP/FILE

Issue ID	Summary
JDK-8333275	ComboBox: adding an item from editor changes editor text
JDK-8334137	Marlin: replace sun.misc.Unsafe memory access methods with FFM
JDK-8335547	Support multi-line prompt text for TextArea
JDK-8335587	TextInputControl: Binding prompt text that contains linebreak causes exception
JDK-8335714	Enhance playing MP3s
JDK-8335715	Improve Direct Show support
JDK-8337960	Improve performance of mfwrapper by reusing GStreamer media buffers for decoded video
JDK-8340004	[TestBug] Call ModuleLayer.Controller::enableNativeAccess directly rather than via reflection
JDK-8340322	Update WebKit to 620.1
JDK-8340344	The first item in TreeView is not aligned in the beginning
JDK-8340464	[TestBug] Convert parametrized base tests to JUnit 5
JDK-8340693	[TestBug] Format Error in USKeyboardTest
JDK-8341281	Root TreeItem with null value breaks TreeTableView

Issue ID	Summary
JDK-8341670	[Text,TextFlow] Public API for Text Layout Info
JDK-8342530	Specifying "@Nx" scaling level in ImageStorage should only load that specific level
JDK-8342565	[TestBug] StubTextLayout
JDK-8344367	Fix mistakes in FX API docs
JDK-8345348	CSS media feature queries
JDK-8346824	Collapsing tree view causes rendering issues
JDK-8347359	RichTextArea API Tests
JDK-8347392	Thread-unsafe implementation of c.s.j.scene.control.skin.Utils
JDK-8347598	Change JavaFX release version to 25
JDK-8347753	VetoableListDecorator doesn't accept its own sublists for bulk operations
JDK-8347937	Canvas pattern test fails and crashes on WebKit 620.1
JDK-8348095	[Linux] Menu shows up in wrong position when using i3 windows manager in full screen mode
JDK-8348100	Tooltips cannot be instantiated on background thread
JDK-8348423	[TestBug] stress test Nodes initialization from a background thread

Issue ID	Summary
JDK-8348736	RichTextArea clamp and getText
JDK-8348744	Application window not always activated on macOS 15
JDK-8348895	[testbug] Skip failing 3D lighting tests on macOS 14 or later on aarch64
JDK-8349008	Remove temporary font file tracking code
JDK-8349091	Charts: exception initializing in a background thread
JDK-8349098	TabPane: exception initializing in a background thread
JDK-8349105	Pagination: exception initializing in a background thread
JDK-8349255	TitledPane: exception initializing in a background thread
JDK-8349256	Update PipeWire to 1.3.81
JDK-8349373	Support JavaFX preview features
JDK-8349472	Update copyright header for files modified in 2025
JDK-8349679	build.gradle: increase system test memory limit to 1GB
JDK-8349750	[TestBug] NodeInitializationStressTest: remaining Nodes

Issue ID	Summary
JDK-8349756	Memory leak in PaginationSkin when setting page count / index
JDK-8349758	Memory leak in TreeTableView
JDK-8349891	Not implemented function should have printf
JDK-8349924	Additional WebKit 620.1 fixes from WebKitGTK 2.46.6
JDK-8350009	[XWayland] SwingNodePlatformExitCrashTest hangs on Ubuntu 24.04
JDK-8350048	Enforce threading restrictions for show and hide methods in Window, Control, and Skin
JDK-8350136	Create release notes for JavaFX 24
JDK-8350149	VBox ignores bias of child controls when fillWidth is set to false
JDK-8350284	WebKit 620.1 crashes on startup on Windows x86 32-bit
JDK-8350316	Create implementation of NSAccessibilityProgressIndicator protocol
JDK-8350437	[GHA] Update gradle wrapper-validation action to v3
JDK-8350561	Update copyright header for files modified in 2024
JDK-8350976	MenuBarSkin: exception initializing in a background thread

Issue ID	Summary
JDK-8351038	ConcurrentModificationException in EventType constructor
JDK-8351047	TitledPane should handle titles that are resizable
JDK-8351067	Enforce Platform threading use
JDK-8351264	Some images don't load with WebKit 620.1
JDK-8351276	Prevent redundant computeValue calls when a chain of mappings becomes observed
JDK-8351368	RichTextArea: exception pasting from Word
JDK-8351653	Webkit debug build failure after update to 620.1
JDK-8351733	Crash when creating too many nested event loops
JDK-8351773	Create implementation of NSAccessibilityGroup protocol
JDK-8351867	No UI changes while iconified
JDK-8351878	RichTextArea: copy/paste issues
JDK-8352162	Update libxml2 to 2.13.8
JDK-8352164	Update libxslt to 1.1.43
JDK-8352268	RichEditorDemo: Save file doesn't always save

Issue ID	Summary
JDK-8352746	[TestBug] Monkey Tester Application Update 5
JDK-8352982	gradle TEST_SDK_PATH param doesn't work with relative paths
JDK-8353314	macOS: Inconsistent fullscreen behavior
JDK-8353548	[macOS] DragEvent.getScreenY() returns incorrect value in secondary monitor
JDK-8353557	Skip some system tests on Linux
JDK-8353587	Spelling errors and dead code
JDK-8353617	Remove deprecated TransitionEvent constructor
JDK-8353620	Make some systems tests robust for Ubuntu 24.04
JDK-8353632	[Linux] Undefined reference to PlatformSupport::OBSERVED_SETTINGS with C++14
JDK-8353668	Rename internal c.s.javaafx.text.TextLine class
JDK-8353845	com.sun.javaafx.css.BitSet.equals(null) throws NPE
JDK-8353916	Unexpected event type for DOM mutation events with WebKit 620.1
JDK-8354318	freetype.c: compilation error: 'incompatible pointer type' with gcc 14

Issue ID	Summary
JDK-8354336	gstclock.c: compilation error: 'incompatible pointer type' with gcc 14
JDK-8354337	GHA: Windows build fails with chmod permission error
JDK-8354455	[TestBug] Remove JUnit Vintage Engine with JUnit 4
JDK-8354478	Improve StageStyle documentation
JDK-8354631	[macos] OpenURIHandler events not received by AWT when JavaFX is primary toolkit
JDK-8354702	[TestBug] LocalDateTimeStringConverterTest Workaround can be removed
JDK-8354794	[TestBug] LocalDateTimeStringConverterTest: Not all Tests needs to be parameterized
JDK-8354797	Parent.needsLayoutProperty() should return read-only getter
JDK-8354813	Parent.isNeedsLayout() may return wrong value in property listener
JDK-8354875	Update to GCC 14.2.0 on Linux
JDK-8354876	Update SQLite to 3.49.1
JDK-8354940	Fail to sign in to Microsoft sites with WebView
JDK-8354986	Update to Visual Studio 2022 version 17.13.2 on Windows

Issue ID	Summary
JDK-8355012	JavaFX modena.css -fx-highlight-text-fill bug
JDK-8355413	Re-enable InitializeJavaFXLaunchTests on Xorg
JDK-8355415	RichTextArea: NPE in VFlow::scrollCaretToVisible
JDK-8355615	ConcurrentModificationException creating MenuBar on background thread
JDK-8355740	Update to Xcode 15.4 on macOS
JDK-8355774	RichTextArea: provide mechanism for CSS styling of highlights
JDK-8356652	Input field ignores custom input source characters
JDK-8356690	Update JUnit to 5.12.2
JDK-8356983	Create implementation of NSAccessibilityImage protocol
JDK-8357004	Windows platform color changes are not picked up in some cases
JDK-8357157	Exception thrown from AnimationTimer freezes application
JDK-8357393	RichTextArea: fails to properly save text attributes
JDK-8357584	[XWayland] [OL10] Robot.mousePress() is delivered to wrong place

Issue ID	Summary
JDK-8357594	Additional geometry-based Text/TextFlow APIs
JDK-8357714	AudioClip.play crash on macOS when loading resource from jar
JDK-8358255	Factor out boilerplate code of EventHandler properties in Scene and Window
JDK-8358454	Wrong tags in cssref.html
JDK-8358770	incubator.richtext pom missing dependency on incubator.input
JDK-8358800	Update Gradle to 8.14.2
JDK-8358802	Update boot JDK to 24.0.1
JDK-8359257	Create accessibility protocol for TabGroup component
JDK-8359387	Bump minimum JDK version for JavaFX to JDK 23
JDK-8359396	[Linux] Require Gtk3 >= 3.20 for glass-gtk
JDK-8359445	GHA: Update gradle wrapper-validation action to v4
JDK-8359598	[TestBug] VirtualFlowTestUtils should not create a temporary Stage
JDK-8359601	Fix window button states of an extended stage

Issue ID	Summary
JDK-8359763	Close request handler is not called for an extended stage
JDK-8359896	[TestBug] [JUnit5] Possible configuration error
JDK-8361379	[macos] Refactor accessibility code to retrieve attribute by name
JDK-8361710	Mark QPathTest as unstable on all platforms
JDK-8361713	JavaFX API docs overview is missing an intro section
JDK-8362095	HeaderButtonMetrics should not be used across toolkit boundary
JDK-8362873	Regression in BorderPane after JDK-8350149
JDK-8363813	Missing null check in GlassScreen
JDK-8364049	ToolBar shows overflow menu with fractional scale
JDK-8364088	ToolBarSkin: NPE in select()
JDK-8365763	Update copyright header for files modified in 2025

6. Updates to Third Party Libraries

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

Library	Full name	New Version	Module	JBS number
CLDR	Unicode Common Locale Data Repository	47.0	java.util:i18n	JDK-8346948
FreeType	FreeType	2.13.3	2d	JDK-8348596
HarfBuzz	HarfBuzz	11.2.0	2d	JDK-8355528
Highlight.js	Highlight.js	v11.11.1	javadoc(tool)	JDK-8357458
JLine	JLine	3.29.0	jshell	JDK-8350749
jQuery UI	jQuery UI	1.14.1	javadoc(tool)	JDK-8347381
LCMS	LittleCMS	2.17	2d	JDK-8348110
Libpng	Libpng	1.6.47	java.awt	JDK-8348598
PipeWire	PipeWire	1.3.81	java.awt	JDK-8348600
Public Suffix List	Public Suffix List	823beb1	java.security	JDK-8357062
XML Security for Java	Apache XML Security for Java	3.0.5	javax.xml.crypto	JDK-8344137

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 25+37

Release Notes

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