



Azul Zulu builds of OpenJDK

Azul Zulu 18 General Availability

Release Notes

Revision 1.0

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Revision History

Revision	Date	Description
1.0	March 12, 2022	Initial version of the document.

Release Details

Release Date: March 12, 2022

This release is a General Availability release of Azul Zulu 18. The following table describes which Azul Zulu versions are published with this release.

Azul Zulu Version*	JDK Version	JavaFX Version
18.28.13 (CA) 18.28.14 (SA)	18+37	18.0.0+100

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

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

Supported Platforms

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

Operating System	Azul Zulu 18
Windows (x86)	
Windows Server 2022	Yes
Windows Server 2019	Yes
Windows Server 2016	Yes
Windows Server 2012 R2	Yes

Windows Client 11	Yes
Windows Client 10	Yes
Windows (ARM 64-bit)	
Windows 11	Yes
Linux (x86)	
RHEL 8.x	Yes
RHEL 7.x	Yes
RHEL 6.x	Yes
SLES 15	Yes
SLES 12	Yes
CentOS Stream	Yes
CentOS 8.x	Yes
Ubuntu 20.04	Yes
Ubuntu 18.04	Yes
Debian 11	Yes
Debian 10	Yes
Debian 9	Yes
CoreOS	Yes
Alpine Linux 3.11 or later	Yes
Linux (ARM 64-bit)	
Ubuntu 20.04	Yes
Alpine Linux 3.11 or later	Yes
MacOS (x86)	
macOS 12	Yes
macOS 11	Yes
MacOS (Apple Silicon)	

macOS 12	Yes
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What's New

This release includes the following JDK Enhancement Proposals (JEP):

- [jep_ref:400](#): UTF-8 by Default

Specify UTF-8 as the default charset of the standard Java APIs. With this change, APIs that depend upon the default charset behave consistently across all implementations, operating systems, locales, and configurations.

- [jep_ref:408](#): Simple Web Server

Provide a command-line tool to start a minimal web server that serves static files only. No CGI or servlet-like functionality is available. This tool is useful for prototyping, ad-hoc coding, and testing purposes, particularly in educational contexts.

- [jep_ref:413](#): Code Snippets in Java API Documentation

Introduce an `@snippet` tag for JavaDoc's Standard Doclet, to simplify the inclusion of example source code in API documentation.

- [jep_ref:416](#): Reimplement Core Reflection with Method Handles

Reimplement `java.lang.reflect.Method`, `Constructor`, and `Field` on top of `java.lang.invoke` method handles. Making method handles the underlying mechanism for reflection reduces the maintenance and development cost of both the `java.lang.reflect` and `java.lang.invoke` APIs.

- [jep_ref:417](#): Vector API (Third Incubator)

Introduce an API to express vector computations that reliably compile at runtime to optimal vector instructions on supported CPU architectures, thus achieving performance superior to equivalent scalar computations.

- [jep_ref:418\[\]](#): Internet-Address Resolution SPI

Define a service-provider interface (SPI) for host name and address resolution, so that `java.net.InetAddress` can make use of resolvers other than the platform's built-in resolver.

- [jep_ref:419\[\]](#): Foreign Function & Memory API (Second Incubator)

Introduce an API by which Java programs can interoperate with code and data outside of the Java runtime. By efficiently invoking foreign functions (i.e., code outside the JVM), and by safely accessing foreign memory (i.e., memory not managed by the JVM), the API enables Java programs to call native libraries and process native data without the brittleness and danger of JNI.

- [jep_ref:420\[\]](#): Pattern Matching for switch (Second Preview)

Enhance the Java programming language with pattern matching for switch expressions and statements, along with extensions to the language of patterns. Extending pattern matching to switch allows an expression to be tested against a number of patterns, each with a specific action, so that complex data-oriented queries can be expressed concisely and safely. This is a preview language feature in JDK 18.

- [jep_ref:421\[\]](#): Deprecate Finalization for Removal

Deprecate finalization for removal in a future release. Finalization remains enabled by default for now, but can be disabled to facilitate early testing. In a future release it will be disabled by default, and in a later release it will be removed. Maintainers of libraries and applications that rely upon finalization should consider migrating to other resource management techniques such as the try-with-resources statement and cleaners.

IANA Time Zone Data Version

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

Fixed Issues

OpenJDK Bug Fixes

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

OpenJDK Patch ID	Synopsis
JDK-4337793	Mark non-serializable fields of java.security.cert.Certificate and CertPath
JDK-8281713	[BACKOUT] AArch64: Implement string_compare intrinsic in SVE
JDK-8280592	Small javadoc tweaks to foreign API
JDK-8280586	Remove C-style arrays from code examples in JLS
JDK-8280455	JSSE Guide example has typo, DatagramPacket should be DatagramPacket
JDK-8280441	Missing "classpath exception" in several files from jdk.httpserver
JDK-8280415	Remove EA from JDK 18 version string starting with Initial RC promotion B35 on February 10, 2022
JDK-8280406	JarFile.getInputStream throws unexpected NASE
JDK-8280234	AArch64 "core" variant does not build after JDK-8270947
JDK-8280233	Temporarily disable Unix domain sockets in Windows PipeImpl
JDK-8280155	[PPC64, s390] frame size checks are not yet correct
JDK-8280034	ProblemList jdk/jfr/api/consumer/recordingstream/TestOnEvent.java on linux-x64
JDK-8279998	PPC64 debug builds fail with "untested: RangeCheckStub: predicate_failed_trap_id"
JDK-8279930	Synthetic cast causes generation of store barriers when using heap segments
JDK-8279924	[PPC64, s390] implement frame::is_interpreted_frame_valid checks
JDK-8279837	C2: assert(is_Loop()) failed: invalid node class: Region
JDK-8279833	Loop optimization issue in String.encodeUTF8_UTF16

OpenJDK Patch ID	Synopsis
JDK-8279702	[macosx] ignore xcodebuild warnings on M1
JDK-8279695	[TESTBUG] modify compiler/looptests/TestSkeletonPredicateNegation.java to run on C1 also
JDK-8279654	jdk/incubator/vector/Vector256ConversionTests.java crashes randomly with SVE
JDK-8279597	[TESTBUG] ReturnBlobToWrongHeapTest.java fails with -XX:TieredStopAtLevel=1 on machines with many cores
JDK-8279532	ProblemList sun/security/ssl/SSLSessionImpl/NoInvalidateSocketException.java
JDK-8279529	ProblemList java/nio/channels/DatagramChannel/ManySourcesAndTargets.java on macosx-aarch64
JDK-8279527	Dereferencing segments backed by different scopes leads to pollution
JDK-8279525	ProblemList java/awt/GraphicsDevice/CheckDisplayModes.java on macosx-aarch64
JDK-8279515	C1: No inlining through invokedynamic and invokestatic call sites when resolved class is not linked
JDK-8279398	jdk/jfr/api/recording/time/TestTimeMultiple.java failed with "RuntimeException: getStopTime() > afterStop"
JDK-8279385	[test] Adjust sun/security/pkcs12/KeytoolOpensslInteropTest.java after 8278344
JDK-8279379	GHA: Print tests that are in error
JDK-8279370	jdk.jpackage/share/native/applauncher/JvmLauncher.cpp fails to build with GCC 6.3.0
JDK-8279356	Method linking fails with guarantee(mh.adapter() != NULL) failed: Adapter blob must already exist!
JDK-8279340	JSSE config for non-file truststore misplaced
JDK-8279333	Some JFR tests do not accept 'GCLocker Initiated GC' as a valid GC cause

OpenJDK Patch ID	Synopsis
JDK-8279227	Access Bridge: Wrong frame position and hit test result on HiDPI display
JDK-8279222	Incorrect legacyMap.get in java.security.Provider after JDK-8276660
JDK-8279204	[BACKOUT] JDK-8278413: C2 crash when allocating array of size too large
JDK-8279195	Document the -XX:+NeverActAsServerClassMachine flag
JDK-8279179	Update nroff pages in JDK 18 before RC
JDK-8279081	ProblemList jdk/jfr/event/oldobject/TestLargeRootSet.java on 2 platforms
JDK-8279076	C2: Bad AD file when matching SqrtF with UseSSE=0
JDK-8279074	ProblemList compiler/codecache/jmx/PoolsIndependenceTest.java on macosx-aarch64
JDK-8279045	Intrinsics missing vzeroupper instruction
JDK-8279039	4.2.2: Fix misleading note about <init> in interfaces
JDK-8279032	compiler/looptests/TestSkeletonPredicateNegation.java times out with -XX:TieredStopAtLevel < 4
JDK-8279019	4.7.25: Fix typo in opens_to_count item
JDK-8279011	JFR: JfrChunkWriter incorrectly handles int64_t chunk size as size_t
JDK-8279007	jstatd fails to start because SecurityManager is disabled
JDK-8278987	RunThese24H.java failed with EXCEPTION_ACCESS_VIOLATION in write_sample_info
JDK-8278970	[macos] SigningPackageTest is failed with runtime exception
JDK-8278967	rmiregistry fails to start because SecurityManager is disabled
JDK-8278966	two microbenchmarks tests fail "assert(!jvms.method().has_exception_handlers()) failed: no exception handler expected" after JDK-8275638
JDK-8278948	compiler/vectorapi/reshape/TestVectorCastAVX1.java crashes in assembler

OpenJDK Patch ID	Synopsis
JDK-8278930	javac tries to compile a file twice via PackageElement.getEnclosedElements
JDK-8278897	Alignment of heap segments is not enforced correctly
JDK-8278889	AArch64: [vectorapi] VectorMaskLoadStoreTest.testMaskCast() test fail
JDK-8278871	[JVMCI] assert((uint)reason < 2*_trap_hist_limit) failed: oob
JDK-8278834	Error "Cannot read field "sym" because "this.lvar[od]" is null" when compiling
JDK-8278824	Uneven work distribution when scanning heap roots in G1
JDK-8278796	Incorrect behavior of FloatVector.withLane on X86
JDK-8278790	Inner loop of long loop nest runs for too few iterations
JDK-8278758	runtime/BootstrapMethod/BSMCalledTwice.java fails with release VMs after JDK-8262134
JDK-8278744	KeyStore:getAttributes() not returning unmodifiable Set
JDK-8278628	jdk/jfr/jmx/streaming/TestMaxSize.java Expected only one or two chunks
JDK-8278627	Shenandoah: TestHeapDump test failed
JDK-8278612	[macos] test/jdk/java/awt/dnd/RemoveDropTargetCrashTest crashes with VoiceOver on macOS
JDK-8278609	[macos] accessibility frame is misplaced on a secondary monitor on macOS
JDK-8278607	Misc issues in foreign API javadoc
JDK-8278604	SwingSet2 table demo does not have accessible description set for images
JDK-8278587	StringTokenizer(String, String, boolean) documentation bug
JDK-8278580	ProblemList javax/swing/JTree/4908142/bug4908142.java on macosx-x64
JDK-8278575	update jcmd GC.finalizer_info to list finalization status

OpenJDK Patch ID	Synopsis
JDK-8278574	update --help-extra message to include default value of --finalization option
JDK-8278538	Test langtools/jdk/javadoc/tool/CheckManPageOptions.java fails after the manpage was updated
JDK-8278526	[macos] Screen reader reads SwingSet2 JTable row selection as null, dimmed row for last column
JDK-8278521	ProblemList java/lang/management/ThreadMXBean/ThreadLists.java
JDK-8278516	Typos in snippet for java.compiler
JDK-8278508	Enable X86 maskAll instruction pattern for 32 bit JVM.
JDK-8278489	Preserve result in native wrapper with +UseHeavyMonitors
JDK-8278466	"spurious markup" warnings in snippets when building docs-reference
JDK-8278463	[test] Serialization WritePrimitive test revised for readFully test fails
JDK-8278459	ProblemList javax/swing/JTree/4908142/bug4908142.java on macosx-aarch64
JDK-8278445	ProblemList tools/jpackage/share/IconTest.java on macosx-x64
JDK-8278434	timeouts in test java/time/test/java/time/format/TestZoneTextPrinterParser.java
JDK-8278433	Use snippets in jdk.incubator.foreign documentation
JDK-8278428	ObjectInputStream.readFully range check incorrect
JDK-8278419	JFR jcmd option contract "This value cannot be changed once JFR has been initialized" is not enforced
JDK-8278413	C2 crash when allocating array of size too large
JDK-8278389	SuspendibleThreadSet::_suspend_all should be volatile/atomic
JDK-8278379	Zero VM is broken due to UserRTMForStackLocks was not declared after JDK-8276901
JDK-8278373	JavacTrees.searchMethod finds incorrect match

OpenJDK Patch ID	Synopsis
JDK-8278368	ProblemList tools/jpackage/share/MultiNameTwoPhaseTest.java on macosx-x64
JDK-8278363	Create extented container test groups
JDK-8278346	java/nio/file/Files/probeContentType/Basic.java fails on Linux SLES15 machine
JDK-8278344	sun/security/pkcs12/KeytoolOpensslInteropTest.java test fails because of different openssl output
JDK-8278341	Liveness check for global scope is not as fast as it could be
JDK-8278339	ServerSocket::isClosed may return false after accept throws
JDK-8278336	Use int64_t to represent byte quantities consistently in JfrObjectAllocationSample
JDK-8278330	dump stack trace if the jvmti test nsk/jvmti/GetThreadState/thrstat002 is failed with wrong thread state
JDK-8278324	Update the --generate-cds-archive jlink plugin usage message
JDK-8278321	ProblemList applications/microbenchmarks/other/Test_15.java tests
JDK-8278318	Create {@index} entries for key LangTools terms
JDK-8278311	Debian packaging doesn't work
JDK-8278310	Improve logging in CDS DynamicLoaderConstraintsTest.java
JDK-8278309	[windows] use of uninitialized OSThread::_state
JDK-8278291	compiler/uncommontrap/TraceDeoptimizationNoRealloc.java fails with release VMs after JDK-8154011
JDK-8278289	Drop G1BlockOffsetTablePart::_object_can_span
JDK-8278277	G1: Simplify implementation of G1GCPhaseTimes::record_or_add_time_secs
JDK-8278276	G1: Refine naming of G1GCParPhaseTimesTracker::_must_record
JDK-8278273	Remove unnecessary exclusion of doclint accessibility checks
JDK-8278270	ServerSocket is not thread safe

OpenJDK Patch ID	Synopsis
JDK-8278267	ARM32: several vector test failures for ASHR
JDK-8278251	Enable "missing-explicit-ctor" check in the jdk.unsigned.desktop module
JDK-8278247	KeyStoreSpi::engineGetAttributes does not throws KeyStoreException
JDK-8278240	ProblemList containers/docker/TestJcmd.java on linux-aarch64
JDK-8278239	vmTestbase/nsk/jvmti/RedefineClasses/StressRedefine failed with EXCEPTION_ACCESS_VIOLATION at 0x000000000000000d
JDK-8278233	[macos] tools/jpackage tests timeout due to /usr/bin/osascript
JDK-8278205	jlink plugins should dump .class file in debug mode
JDK-8278179	Enable all doclint warnings for build of java.naming
JDK-8278175	Enable all doclint warnings for build of java.desktop
JDK-8278174	runtime/cds/appcads/LambdaWithJavaAgent.java fails with release VMs
JDK-8278172	java/nio/channels/FileChannel/BlockDeviceSize.java should only run on Linux
JDK-8278171	[vectorapi] Mask incorrectly computed for zero extending cast
JDK-8278168	Add a few missing words to the specification of Files.mismatch
JDK-8278166	java/nio/channels/Channels/TransferTo.java timed out
JDK-8278163	--with-cacerts-src variable resolved after GenerateCacerts recipe setup
JDK-8278158	jwebserver should set request timeout
JDK-8278154	SimpleFileServer#createFileServer() should specify that the returned server is not started
JDK-8278144	Javadoc for MemorySegment::set/MemorySegment::setAtIndex is missing throws tag
JDK-8278143	Remove unused "argc" from ConstantPool::copy_bootstrap_arguments_at_impl
JDK-8278141	LIR_OpLoadKlass::_info shadows the field of the same name from LIR_Op

OpenJDK Patch ID	Synopsis
JDK-8278139	G1: Refactor G1BlockOffsetTablePart::block_at_or_preceding
JDK-8278137	JFR: PrettyWriter uses incorrect year specifier
JDK-8278130	Failure in jdk/javadoc/tool/CheckManPageOptions.java after JDK-8274639
JDK-8278119	ProblemList few headful test failing in macosx12-aarch64 system
JDK-8278116	runtime/modules/LoadUnloadModuleStress.java has duplicate -Xmx
JDK-8278115	gc/stress/gclocker/TestGCLockerWithSerial.java has duplicate -Xmx
JDK-8278099	two sun/security/pkcs11/Signature tests failed with AssertionError
JDK-8278080	Add --with-cacerts-src='user cacerts folder' to enable deterministic cacerts generation
JDK-8278079	C2: expand_dtrace_alloc_probe doesn't take effect in macro.cpp
JDK-8278078	Cannot reference super before supertype constructor has been called
JDK-8278077	Update javadoc page with new options in JDK 18
JDK-8278071	typos in MemorySegment::set, MemorySegment::setAtIndex javadoc
JDK-8278068	Fix next-line modifier (snippet markup)
JDK-8278049	G1: add precondition to set_remainder_to_point_to_start
JDK-8278047	Few javax/imageio test regressed after JDK-8262297 fix
JDK-8278044	ObjectInputStream methods invoking the OIF.CFG.getSerialFilterFactory() silent about error cases.
JDK-8278037	Clean up PPC32 related code in C1
JDK-8278032	Update the jcmd manpage to remove the shutdown option
JDK-8278031	MultiThreadedRefCounter should not use relaxed atomic decrement
JDK-8278020	~13% variation in Renaissance-Scrabble
JDK-8278019	ProblemList java/awt/dnd/BadSerializationTest/BadSerializationTest.java on linux and windows
JDK-8278016	Add compiler tests to tier{2,3}

OpenJDK Patch ID	Synopsis
JDK-8278014	[vectorapi] Remove test run script
JDK-8277998	runtime/cds/appcds/loaderConstraints/DynamicLoaderConstraintsTest.java#custom-cl-zgc failed "assert(ZAddress::is_marked(addr)) failed: Should be marked"
JDK-8277992	Add fast jdk_svc subtests to jdk:tier3
JDK-8277990	NMT: Remove NMT shutdown capability
JDK-8277988	Describe this new behavior in Provider Documentation
JDK-8277986	Typo in javadoc of java.util.zip.ZipEntry#setTime
JDK-8277985	G1: Compare max_parallel_refinement_threads to UINT_MAX
JDK-8277981	String Deduplication table is never cleaned up due to bad dead_factor_for_cleanup
JDK-8277980	ObjectMethods::bootstrap throws NPE when lookup is null
JDK-8277977	Incorrect references to --enable-reproducible-builds in docs
JDK-8277965	Enclosing instance optimization affects serialization
JDK-8277964	ClassCastException with no stack trace is thrown with -Xcomp in method handle invocation
JDK-8277957	Add test group for IPv6 exclusive testing
JDK-8277946	NMT: Remove VM.native_memory shutdown jcmd command option
JDK-8277944	JDK 18 - update GA Release Date
JDK-8277932	Subject:callAs() not throwing NPE when action is null
JDK-8277931	Parallel: Remove unused PSVirtualSpace::expand_into
JDK-8277928	Fix compilation on macosx-aarch64 after 8276108
JDK-8277924	Small tweaks to foreign function and memory API
JDK-8277919	OldObjectSample event causing bloat in the class constant pool in JFR recording
JDK-8277916	Gather non-strong reference count logic in a single place

OpenJDK Patch ID	Synopsis
JDK-8277906	Incorrect type for IV phi of long counted loops after CCP
JDK-8277904	G1: Remove G1CardSetArray::max_entries
JDK-8277899	Parallel: Simplify PSVirtualSpace::initialize logic
JDK-8277896	Remove unused BOTConstants member methods
JDK-8277882	New subnode ideal optimization: converting " $c0 - (x + c1)$ " into " $(c0 - c1) - x$ "
JDK-8277878	Fix compiler tests after JDK-8275908
JDK-8277866	gc/epsilon/TestMemoryMXBeans.java failed with wrong initial heap size
JDK-8277865	G1: Change integer division to floating point division
JDK-8277864	Compilation error thrown while doing a boxing conversion on selector expression
JDK-8277863	Deprecate sun.misc.Unsafe methods that return offsets
JDK-8277861	Terminally deprecate Thread.stop
JDK-8277860	PPC: Remove duplicate info != NULL check
JDK-8277854	The upper bound of GCCardSizeInBytes should be limited to 512 for 32-bit platforms
JDK-8277850	C2: optimize mask checks in counted loops
JDK-8277847	Support toolGuide tag in class-level documentation
JDK-8277846	Implement fast-path for ASCII-compatible CharsetEncoders on ppc64
JDK-8277843	[Vector API] scalar2vector generates incorrect type info for mask operations if Op_MaskAll is unavailable
JDK-8277842	IGV: Add jvms property to know where a node came from
JDK-8277825	Remove unused ReferenceProcessorPhaseTimes::_sub_phases_total_time_ms
JDK-8277824	Remove empty RefProcSubPhasesWorkerTimeTracker destructor
JDK-8277814	ConcurrentRefineThread should report rate when deactivating

OpenJDK Patch ID	Synopsis
JDK-8277813	ProblemList vmTestbase/nsk/jvmti/AttachOnDemand/attach002a/TestDescription.java
JDK-8277811	ProblemList vmTestbase/nsk/jdi/TypeComponent/isSynthetic/issynthetic001/TestDescription.java
JDK-8277806	4 tools/jar failures per platform after JDK-8272728
JDK-8277803	vmTestbase/nsk/jdi/TypeComponent/isSynthetic/issynthetic001 fails with "Synthetic fields not found"
JDK-8277797	Remove undefined/unused SharedRuntime::trampoline_size()
JDK-8277793	Support vector F2I and D2L cast operations for X86
JDK-8277789	G1: G1CardSetConfiguration prefixes num_ and max_ used interchangeably
JDK-8277786	G1: Rename log2_card_region_per_heap_region used in G1CardSet
JDK-8277777	[Vector API] assert(r.is_XMMRegister()) failed: must be in x86_32.ad
JDK-8277762	Allow configuration of HOTSPOT_BUILD_USER
JDK-8277753	Long*VectorTests.java fail with "bad AD file" on x86_32 after JDK-8276162
JDK-8277736	G1: Allow forced evacuation failure of first N regions in collection set
JDK-8277659	[TESTBUG] Microbenchmark ThreadOnSpinWaitProducerConsumer.java hangs
JDK-8277654	Shenandoah: Don't produce new memory state in C2 LRB runtime call
JDK-8277649	[BACKOUT] JDK-8277507 Add jlink.debug system property while launching jpackage tests to help diagnose recent intermittent failures
JDK-8277647	[REDO] JDK-8277507 Add jlink.debug system property while launching jpackage tests to help diagnose recent intermittent failures
JDK-8277631	ZGC: CriticalMetaspaceAllocation asserts

OpenJDK Patch ID	Synopsis
JDK-8277628	Spec for InetAddressResolverProvider::get() throwing error or exception could be clearer
JDK-8277621	ARM32: multiple fastdebug failures with "bad AD file" after JDK-8276162
JDK-8277617	Adjust AVX3Threshold for copy/fill stubs
JDK-8277606	String(String) constructor could copy hashIsZero
JDK-8277602	Deopt code does not extend the stack enough if the caller is an optimize entry blob
JDK-8277578	ProblemList applications/jcstress/acqrel.java on linux-aarch64
JDK-8277577	ProblemList compiler/onSpinWait/TestOnSpinWaitAArch64DefaultFlags.java on linux-aarch64
JDK-8277576	ProblemList runtime/ErrorHandling/CreateCoredumpOnCrash.java on macosx-X64
JDK-8277562	Remove dead method c1 If::swap_sux
JDK-8277560	Remove WorkerDataArray::_is_serial
JDK-8277556	Call ReferenceProcessorPhaseTimes::set_processing_is_mt once
JDK-8277542	G1: Move G1CardSetFreePool and related classes to separate files
JDK-8277536	Use String.blank in jdk.javadoc where applicable
JDK-8277534	Remove unused ReferenceProcessor::has_discovered_references
JDK-8277529	SIGSEGV in C2 CompilerThread Node::rematerialize() compiling Packet::readUnsignedTrint
JDK-8277522	Make formatting of null consistent in Elements
JDK-8277508	need to check has_predicated_vectors before calling scalable_predicate_reg_slots
JDK-8277507	Add jlink.debug system property while launching jpackage tests to help diagonalize recent intermittent failures
JDK-8277504	Use String.stripTrailing instead of hand-crafted method in SwingUtilities2

OpenJDK Patch ID	Synopsis
JDK-8277503	compiler/onSpinWait/TestOnSpinWaitAArch64DefaultFlags.java failed with "OnSpinWaitInst with the expected value 'isb' not found."
JDK-8277502	post-integration doc tasks
JDK-8277497	Last column cell in the JTable row is read as empty cell
JDK-8277496	Remove duplication in c1 Block successor lists
JDK-8277494	[BACKOUT] JDK-8276150 Quarantined jpackage apps are labeled as "damaged"
JDK-8277485	Zero: Fix <i>fast{i,f}access_0</i> bytecodes handling
JDK-8277459	Add jwebserver tool
JDK-8277451	java.lang.reflect.Field::set on static field with invalid argument type should throw IAE
JDK-8277450	Record number of references into collection set during gc
JDK-8277449	compiler/vectorapi/TestLongVectorNeg.java fails with release VMs
JDK-8277447	Hotspot C1 compiler crashes on Kotlin suspend fun with loop
JDK-8277441	CompileQueue::add fails with <code>assert(_last != next() == __null)</code> failed: not last
JDK-8277439	G1: Correct include guard name in G1EvacFailureObjectsSet.hpp
JDK-8277434	tests fail with "assert(is_forwarded()) failed: only decode when actually forwarded"
JDK-8277429	Conflicting jpackage static library name
JDK-8277428	G1: Move and inline G1STWIsAliveClosure::do_object_b
JDK-8277427	Update jib-profiles.js to use JMH 1.33 devkit
JDK-8277426	Optimize mask reduction operations on x86
JDK-8277423	ciReplay: hidden class with comment expected error
JDK-8277422	tools/jar/JarEntryTime.java fails with modified time mismatch
JDK-8277417	C1 LIR instruction for load-class

OpenJDK Patch ID	Synopsis
JDK-8277414	ProblemList runtime/CommandLine/VMDeprecatedOptions.java on windows-x64
JDK-8277413	Remove unused local variables in jdk.hotspot.agent
JDK-8277411	C2 fast_unlock intrinsic on AArch64 has unnecessary ownership check
JDK-8277407	javax/swing/plaf/synth/SynthButtonUI/6276188/bug6276188.java fails to compile after JDK-8276058
JDK-8277404	Test VMDeprecatedOptions.java failing with Unable to create shared archive file
JDK-8277399	ZGC: Move worker thread logging out of gc+phase=debug
JDK-8277397	ZGC: Add JFR event for temporary latency measurements
JDK-8277396	[TESTBUG] In DefaultButtonModelCrashTest.java, frame is accessed from main thread
JDK-8277385	Zero: Enable CompactStrings support
JDK-8277383	VM.metaspace optionally show chunk freelist details
JDK-8277382	make c1 BlockMerger use IR::verify only when necessary
JDK-8277372	Add getters for BOT and card table members
JDK-8277371	Remove unnecessary DefNewGeneration::ref_processor_init()
JDK-8277370	configure script cannot distinguish WSL version
JDK-8277365	Update the <code>java</code> tool specification with the <code>--finalization</code> option
JDK-8277361	java/nio/channels/Channels/ReadXBytes.java fails with OOM error
JDK-8277358	Accelerate CRC32-C
JDK-8277353	java/security/MessageDigest/ThreadSafetyTest.java test times out
JDK-8277351	ProblemList runtime/jni/checked/TestPrimitiveArrayCriticalWithBadParam.java on macosx-x64
JDK-8277350	runtime/jni/checked/TestPrimitiveArrayCriticalWithBadParam.java times out

OpenJDK Patch ID	Synopsis
JDK-8277346	ProblemList 7 serviceability/sa tests on macosx-x64
JDK-8277344	12.6: Note that finalization may be disabled
JDK-8277343	dynamicArchive/SharedArchiveFileOption.java failed: '-XX:+RecordDynamicDumpInfo is unsupported when a dynamic CDS archive is specified in -XX:SharedArchiveFile:' missing
JDK-8277342	vmTestbase/nsk/stress/strace/strace004.java fails with SIGSEGV in InstanceKlass::jni_id_for
JDK-8277336	Improve CollectedHeap::safepoint_workers comments
JDK-8277328	jdk/jshell/CommandCompletionTest.java failures on Windows
JDK-8277324	C2 compilation fails with "bad AD file" on x86-32 after JDK-8276162 due to missing match rule
JDK-8277316	ciReplay: dump_replay_data is not thread-safe
JDK-8277313	Validate header failed for test/jdk/java/net/httpclient/HeadTest.java
JDK-8277310	ciReplay: @cpi MethodHandle references not resolved
JDK-8277303	Terminology mismatch between JLS17-3.9 and SE17's javax.lang.model.SourceVersion method specs
JDK-8277299	STACK_OVERFLOW in Java_sun_awt_shell_Win32ShellFolder2_getIconBits
JDK-8277246	Check for NonRepudiation as well when validating a TSA certificate
JDK-8277239	SIGSEGV in vrshift_reg_maskedNode::emit
JDK-8277224	sun.security.pkcs.PKCS9Attributes.toString() throws NPE
JDK-8277221	G1: Remove methods without implementations in G1CollectedHeap
JDK-8277215	Remove redundancy in ReferenceProcessor constructor args
JDK-8277213	CompileTask_lock is acquired out of order with MethodCompileQueue_lock
JDK-8277212	GC accidentally cleans valid megamorphic vtable inline caches

OpenJDK Patch ID	Synopsis
JDK-8277194	applications/runthese/RunThese30M.java crashes with jfrSymbolTable.cpp:305 assert(!_instance != null)
JDK-8277180	Intrinsify recursive ObjectMonitor locking for C2 x64 and A64
JDK-8277172	Remove stray comment mentioning instr_size_for_decode_klass_not_null on x64
JDK-8277168	AArch64: Enable arraycopy partial inlining with SVE
JDK-8277166	Data race in jdeps VersionHelper
JDK-8277165	jdeps --multi-release --print-module-deps fails if module-info.class in different versioned directories
JDK-8277159	Fix java/nio/file/FileStore/Basic.java test by ignoring /run/user/* mount points
JDK-8277139	Improve code readability in PredecessorValidator (c1_IR.cpp)
JDK-8277137	Set OnSpinWaitInst/OnSpinWaitInstCount defaults to "isb"/1 for Arm Neoverse N1
JDK-8277123	jdeps does not report some exceptions correctly
JDK-8277119	Add asserts in GenericTaskQueueSet methods
JDK-8277117	Support for Windows SSPI isn't properly documented
JDK-8277106	Cannot compile certain sources with --release
JDK-8277105	Inconsistent handling of missing permitted subclasses
JDK-8277102	Dubious PrintCompilation output
JDK-8277092	TestMetaspaceAllocationMT2.java#ndebug-default fails with "RuntimeException: Committed seems high: NNNN expected at most MMMM"
JDK-8277089	Use system binutils to build hsdis
JDK-8277087	ZipException: zip END header not found at ZipFile#Source.findEND
JDK-8277071	[BACKOUT] JDK-8276743 Make openjdk build Zip Archive generation "reproducible"

OpenJDK Patch ID	Synopsis
JDK-8277069	[REDO] JDK-8276743 Make openjdk build Zip Archive generation "reproducible"
JDK-8277049	ZonedDateTime parse in Fall DST transition fails to retain the correct zonename.
JDK-8277048	Tiny improvements to the specification text for java.util.Properties.load
JDK-8277045	G1: Remove unnecessary set_concurrency call in G1ConcurrentMark::weak_refs_work
JDK-8277042	add test for 8276036 to compiler/codecache
JDK-8277029	JMM GetDiagnosticXXXInfo APIs should verify output array sizes
JDK-8277028	Use service type documentation as fallback for @provides
JDK-8277027	Treat unrecognized markup as snippet text, but warn about it
JDK-8277026	Remove blank lines remaining from snippet markup
JDK-8277016	Use blessed modifier order in jdk.httpserver
JDK-8277012	Use blessed modifier order in src/utils
JDK-8276994	java/nio/channels/Channels/TransferTo.java leaves multi-GB files in /tmp
JDK-8276985	AArch64: [vectorapi] Backend support of VectorMaskToLongNode
JDK-8276983	Small fixes to DumpAllocStat::print_stats
JDK-8276976	Rename LIR_OprDesc to LIR_Opr
JDK-8276970	Default charset for PrintWriter that wraps PrintStream
JDK-8276964	Better indicate that a snippet (and other invalid input) could not be processed
JDK-8276947	Clarify how DateTimeFormatterBuilder.appendFraction handles value ranges
JDK-8276932	G1: Annotate methods with override explicitly in g1CollectedHeap.hpp
JDK-8276930	Update ProblemList
JDK-8276927	[ppc64] Port shenandoahgc to linux on ppc64le

OpenJDK Patch ID	Synopsis
JDK-8276926	Use String.valueOf() when initializing File.separator and File.pathSeparator
JDK-8276921	G1: Remove redundant failed evacuation regions calculation in RemoveSelfForwardPtrHRClosure
JDK-8276905	Use appropriate macosx_version_minimum value while compiling metal shaders
JDK-8276904	Optional.toString() is unnecessarily expensive
JDK-8276901	Implement UseHeavyMonitors consistently
JDK-8276889	Improve compatibility discussion in instanceKlass.cpp
JDK-8276880	Remove java/lang/RuntimeTests/exec/ExecWithDir as unnecessary
JDK-8276864	Update boot JDKs to 17.0.1 in GHA
JDK-8276863	Remove test/jdk/sun/security/ec/ECDSAJavaVerify.java
JDK-8276854	Windows GHA builds fail due to broken Cygwin
JDK-8276850	Remove outdated comment in HeapRegionManager::par_iterate
JDK-8276848	sun.net.httpserver.simpleserver.CommandLinePositiveTest: test does not specify port
JDK-8276846	JDK-8273416 is incomplete for UseSSE=1
JDK-8276845	(fs) java/nio/file/spi/SetDefaultProvider.java fails on x86_32
JDK-8276842	G1: Only calculate size in bytes from words when needed
JDK-8276841	Add support for Visual Studio 2022
JDK-8276837	[macos]: Error when signing the additional launcher
JDK-8276835	G1: Make G1EvacFailureObjectsSet::record inline
JDK-8276833	G1: Make G1EvacFailureRegions::par_iterate const
JDK-8276826	Clarify the ModuleDescriptor.Version specification's treatment of repeated punctuation characters
JDK-8276825	hotspot/runtime/SelectionResolution test errors

OpenJDK Patch ID	Synopsis
JDK-8276824	refactor Thread::is_JavaThread_protected
JDK-8276808	java/nio/channels/Channels/TransferTo.java timed out
JDK-8276806	Use Objects.checkFromIndexSize where possible in java.base
JDK-8276805	java/awt/print/PrinterJob/CheckPrivilege.java fails due to disabled SecurityManager
JDK-8276801	gc/stress/CriticalNativeStress.java fails intermittently with Shenandoah
JDK-8276800	Fix table headers in NumericShaper.html
JDK-8276796	gc/TestSystemGC.java large pages subtest fails with ZGC
JDK-8276795	Deprecate seldom used CDS flags
JDK-8276794	Change nested classes in java.desktop to static nested classes
JDK-8276790	Rename GenericCDSFileMapHeader::_base_archive_path_offset
JDK-8276787	Improve warning messages for -XX:+RecordDynamicDumpInfo
JDK-8276779	(ch) InputStream returned by Channels.newInputStream should have fast path for SelectableChannels
JDK-8276775	ZonedDateTime/OffsetDateTime.toString return invalid ISO-8601 for years ≥ 1893
JDK-8276774	Cookie stored in CookieHandler not sent if user headers contain cookie
JDK-8276772	Refine javax.lang.model docs
JDK-8276769	-Xshare:auto should tolerate problems in the CDS archive
JDK-8276768	Snippet copy feature should use button instead of link
JDK-8276764	Enable deterministic file content ordering for Jar and Jmod
JDK-8276763	java/nio/channels/SocketChannel/AdaptorStreams.java fails with "SocketTimeoutException: Read timed out"
JDK-8276746	Add section on reproducible builds in building.md
JDK-8276743	Make openjdk build Zip Archive generation "reproducible"
JDK-8276731	Metaspace chunks are uncommitted twice

OpenJDK Patch ID	Synopsis
JDK-8276721	G1: Refine G1EvacFailureObjectsSet::iterate
JDK-8276696	ParallelObjectIterator freed at the wrong time in VM_HeapDumper
JDK-8276688	Remove JLinkReproducibleXXXTest from ProblemList.txt
JDK-8276685	Malformed Javadoc inline tags in JDK source in /jdk/management/jfr/RecordingInfo.java
JDK-8276683	Malformed Javadoc inline tags in JDK source in com/sun/tools/javac/util/RawDiagnosticFormatter.java
JDK-8276681	Additional malformed Javadoc inline tags in JDK source
JDK-8276679	Malformed Javadoc inline tags in JDK source in javax/swing
JDK-8276678	Malformed Javadoc inline tags in JDK source in com/sun/beans/decoder/DocumentHandler.java
JDK-8276677	Malformed Javadoc inline tags in JDK source in javax/net/ssl
JDK-8276674	Malformed Javadoc inline tags in JDK source
JDK-8276672	Cannot build hsdis on WSL
JDK-8276670	G1: Rename G1CardSetFreePool and related classes
JDK-8276665	ObjectInputStream.GetField.get(name, object) should throw ClassNotFoundException
JDK-8276662	Scalability bottleneck in SymbolTable::lookup_common()
JDK-8276661	(fs) UserDefinedFileAttributeView no longer works with long path (win)
JDK-8276660	Scalability bottleneck in java.security.Provider.getService()
JDK-8276658	Clean up JNI local handles code
JDK-8276657	XSLT compiler tries to define a class with empty name
JDK-8276655	Use blessed modifier order in SCTP
JDK-8276654	element-list order is non deterministic
JDK-8276653	Missing row headers in j.l.Character docs
JDK-8276652	Missing row headers in MethodHandles.Lookup docs

OpenJDK Patch ID	Synopsis
JDK-8276650	GenGraphs does not produce deterministic output
JDK-8276649	MethodHandles.Lookup docs: replace the table in the cross-module access check section with list
JDK-8276641	Use blessed modifier order in jshell
JDK-8276640	Use blessed modifier order in jfr code
JDK-8276635	Use blessed modifier order in compiler code
JDK-8276634	Remove <code>usePlainDatagramSocketImpl</code> option from the test DatagramChannel/SendReceiveMaxSize.java
JDK-8276632	Use blessed modifier order in security-libs code
JDK-8276629	Use blessed modifier order in core-libs code
JDK-8276628	Use blessed modifier order in serviceability code
JDK-8276623	JDK-8275650 accidentally pushed "out" file
JDK-8276615	Update CR number of some tests in ProblemList-zgc.txt
JDK-8276588	Change "ccc" to "CSR" in HotSpot sources
JDK-8276573	Use blessed modifier order in jdk.javadoc
JDK-8276572	Fake libsyslookup.so library causes tooling issues
JDK-8276571	C2: pass compilation options as structure
JDK-8276562	Fix to JDK-8263155 left out the help text changes
JDK-8276559	(httpClient) Consider adding an HttpRequest.Builder.HEAD method to build a HEAD request.
JDK-8276556	ProblemList java/nio/channels/FileChannel/LargeGatheringWrite.java on windows-x64
JDK-8276550	Use SHA256 hash in build.tools.depend.Depend
JDK-8276548	Use range based visitor for Howl-Full cards
JDK-8276546	[IR Framework] Whitelist and ignore CompileThreshold
JDK-8276540	Howl Full CardSet container iteration marks too many cards

OpenJDK Patch ID	Synopsis
JDK-8276536	Update TimeZoneNames files to follow the changes made by JDK-8275766
JDK-8276453	Undefined behavior in C1 LIR_OprDesc causes SEGV in fastdebug build
JDK-8276447	Deprecate finalization-related methods for removal
JDK-8276429	CodeHeapState::print_names() fails with "assert(klass->is_loader_alive()) failed: must be alive"
JDK-8276422	Add command-line option to disable finalization
JDK-8276408	Deprecate Runtime.exec methods with a single string command line argument
JDK-8276401	Use blessed modifier order in java.net.http
JDK-8276385	Re-run blessed-modifier-order script on java.desktop and jdk.accessibility
JDK-8276367	ProblemList vmTestbase/nsk/jvmti/RedefineClasses/StressRedefineWithoutBytecode Corruption/TestDescription.java
JDK-8276348	Use blessed modifier order in java.base
JDK-8276338	Minor improve of wording for String.to(Lower Upper)Case
JDK-8276337	Use override specifier in HeapDumper
JDK-8276314	[JVMCI] check alignment of call displacement during code installation
JDK-8276306	jdk/jshell/CustomInputToolBuilder.java fails intermittently on storage acquisition
JDK-8276301	G1: Refine implementation of G1CardSetFreePool::memory_sizes()
JDK-8276299	G1: Unify the wording buffer/node/element in G1SegmentedArrayXxx, G1CardSetXxx and related classes
JDK-8276298	G1: Remove unused G1SegmentedArrayBufferList::add
JDK-8276265	jcmm man page is outdated
JDK-8276260	(se) Remove java/nio/channels/Selector/Wakeup.java from ProblemList (win)

OpenJDK Patch ID	Synopsis
JDK-8276252	java/nio/channels/Channels/TransferTo.java failed with OOM java heap space error
JDK-8276239	Better tables in java.util.random package summary
JDK-8276236	Table headers missing in Formatter api docs
JDK-8276234	Trivially clean up locale-related code
JDK-8276231	ciReplay: SIGSEGV when replay compiling lambdas
JDK-8276229	Stop allowing implicit updates in G1BlockOffsetTable
JDK-8276227	ciReplay: SIGSEGV if classfile for replay compilation is not present after JDK-8275868
JDK-8276220	Reduce excessive allocations in DateTimeFormatter
JDK-8276218	JFR: Clean up jdk.jfr.dcmd
JDK-8276217	Harmonize StrictMath intrinsics handling
JDK-8276216	Negated character classes performance regression in Pattern
JDK-8276215	Intrinsics matchers should handle native method flags better
JDK-8276209	Some call sites doesn't pass the parameter 'size' to SharedRuntime::dtrace_object_alloc(_base)
JDK-8276208	vmTestbase/nsk/jdb/repeat/repeat001/repeat001.java fails with "AssertionError: Unexpected output"
JDK-8276207	Properties.loadFromXML/storeToXML works incorrectly for supplementary characters
JDK-8276205	Shenandoah: CodeCache_lock should always be held for initializing code cache iteration
JDK-8276201	Shenandoah: Race results degenerated GC to enter wrong entry point
JDK-8276199	java/nio/channels/FileChannel/LargeGatheringWrite.java fails to terminate correctly
JDK-8276188	Clarify "default charset" descriptions in String class
JDK-8276186	Require getAvailableLocales() methods to include Locale.ROOT

OpenJDK Patch ID	Synopsis
JDK-8276184	Exclude lambda proxy class from the CDS archive if its caller class is excluded
JDK-8276177	nsk/jvmti/RedefineClasses/StressRedefineWithoutBytecodeCorruption failed with "assert(def_ik is_being_redefined()) failed: should be being redefined to get here"
JDK-8276175	codestrings.validate_vm gtest still broken on ppc64 after JDK-8276046
JDK-8276173	Clean up and remove unneeded casts in HeapDumper
JDK-8276164	RandomAccessFile#write method could throw IndexOutOfBoundsException that is not described in javadoc
JDK-8276162	Optimise unsigned comparison pattern
JDK-8276157	C2: Compiler stack overflow during escape analysis on Linux x86_32
JDK-8276151	AArch64: Incorrect result for double to int vector conversion
JDK-8276150	Quarantined jpackage apps are labeled as "damaged"
JDK-8276149	jshell throws EOF error when throwing exception inside switch expression
JDK-8276141	XPathFactory set/getProperty method
JDK-8276139	TestJpsHostName.java not reliable, better to expand HostIdentifierCreate.java test
JDK-8276129	PretouchTask should page-align the chunk size
JDK-8276128	(bf) Remove unused constant ARRAY_BASE_OFFSET from Direct-X-Buffer
JDK-8276126	Dump time class transformation causes heap objects of non-boot classes to be archived
JDK-8276125	RunThese24H.java SIGSEGV in JfrThreadGroup::thread_group_id
JDK-8276124	Provide snippet support for properties files
JDK-8276123	ZipFile::getEntry will not return a file entry when there is a directory entry of the same name within a Zip File
JDK-8276121	G1: Remove unused and uninitialized _g1h in g1SATBMarkQueueSet.hpp
JDK-8276116	C2: optimize long range checks in int counted loops

OpenJDK Patch ID	Synopsis
JDK-8276112	Inconsistent scalar replacement debug info at safepoints
JDK-8276110	ProblemList javax/swing/JMenu/4515762/bug4515762.java for macos12
JDK-8276108	Wrong instruction generation in aarch64 backend
JDK-8276107	Preventive collections trigger before maxing out heap
JDK-8276105	C2: Conv(DIF)2(IIL)Nodes::Ideal should handle rounding correctly
JDK-8276102	JDK-8245095 integration reverted JDK-8247980
JDK-8276100	Remove G1SegmentedArray constructor name parameter
JDK-8276098	Do precise BOT updates in G1 evacuation phase
JDK-8276096	Simplify Unsafe.{load store}Fence fallbacks by delegating to fullFence
JDK-8276095	ciReplay: replay failure due to incomplete ciMethodData information
JDK-8276093	Improve naming in closures to iterate over card sets
JDK-8276086	Increase size of metaspace mappings
JDK-8276084	Linux DEB Bundler: release number in outputted .deb file should be optional
JDK-8276067	ZGC: Remove unused function alloc_high_address_at_most()
JDK-8276066	Reset LoopPercentProfileLimit for x86 due to suboptimal performance
JDK-8276063	ProblemList gtest dll_address_to_function_and_library_name on macosx-generic
JDK-8276058	Some swing test fails on specific CI macos system
JDK-8276057	Update JMH devkit to 1.33
JDK-8276055	ZGC: Defragment address space
JDK-8276054	JMH benchmarks for Fences
JDK-8276047	G1: refactor G1CardSetArrayLocker
JDK-8276046	codestrings.validate_vm gtest fails on ppc64, s390
JDK-8276044	ciReplay: C1 does not dump a replay file when using DumpReplay as compile command option

OpenJDK Patch ID	Synopsis
JDK-8276042	Remove unused local variables in java.naming
JDK-8276039	Remove unnecessary qualifications of java_lang_Class::
JDK-8276036	The value of full_count in the message of insufficient codecache is wrong
JDK-8276034	ProblemList gtest dll_address_to_function_and_library_name on macosx-x64
JDK-8276025	Hotspot's libsvm.so may conflict with user dependency
JDK-8275975	Remove dead code in cilInstanceKlass
JDK-8275950	Use only _thread_in_vm in ~ThreadBlockInVMPreprocess()
JDK-8275917	Some locks shouldn't allow_vm_block
JDK-8275909	[JVMCI] c2v_readFieldValue use long instead of jlong for the offset parameter
JDK-8275908	Record null_check traps for calls and array_check traps in the interpreter
JDK-8275907	javac's manpage example for Two Argument Files does not work
JDK-8275891	Deproblemlist closed/test/jdk/javax/swing/JTextArea/5042886/bug5042886.java
JDK-8275887	jarsigner prints invalid digest/signature algorithm warnings if keysize is weak/disabled
JDK-8275886	G1: remove obsolete comment in HeapRegion::setup_heap_region_size
JDK-8275874	[JVMCI] only support aligned reads in c2v_readFieldValue
JDK-8275872	Sync J2DBench run and analyze Makefile targets with build.xml
JDK-8275869	Problem list applications/jcstress/copy.java on Linux-aarch64
JDK-8275868	ciReplay: Inlining fails with "unloaded signature classes" due to wrong protection domains
JDK-8275865	Print deoptimization statistics in product builds
JDK-8275863	Use encodeASCII for ASCII-compatible DoubleByte encodings

OpenJDK Patch ID	Synopsis
JDK-8275862	Deproblemlist closed/test/jdk/javax/swing/RepaintManager/4939857/bug4939857.java for non-linux platform
JDK-8275856	Remove MetaspaceHandleDeallocations debug switch
JDK-8275854	C2: assert(stride_con != 0) failed: missed some peephole opt
JDK-8275851	Deproblemlist open/test/jdk/javax/swing/JComponent/6683775/bug6683775.java
JDK-8275849	TestZoneInfo310.java fails with tzdata2021e
JDK-8275847	Scheduling fails with "too many D-U pinch points" on small method
JDK-8275846	read_base_archive_name() could read past the end of buffer
JDK-8275840	Add test to java/nio/channels/Channels/TransferTo.java to test transfer sizes > 2GB
JDK-8275830	C2: Receiver downcast is missing when inlining through method handle linkers
JDK-8275821	Optimize random number generators developed in JDK-8248862 using Math.unsignedMultiplyHigh()
JDK-8275819	[TableRowAccessibility accessibilityChildren] method is ineffective
JDK-8275811	Incorrect instance to dispose
JDK-8275809	crash in [CommonComponentAccessibility getCAccessible:withEnv:]
JDK-8275800	Redefinition leaks MethodData::_extra_data_lock
JDK-8275788	Create code element with suitable attributes for code snippets
JDK-8275786	New javadoc option to add script files to generated documentation
JDK-8275783	G1: fix incorrect region type documentation in HeapRegionType
JDK-8275771	JDK source code contains redundant boolean operations in jdk.compiler and langtools
JDK-8275767	JDK source code contains redundant boolean operations in jdk.charsets
JDK-8275766	(tz) Update Timezone Data to 2021e

OpenJDK Patch ID	Synopsis
JDK-8275761	Backout: JDK-8274794 Print all owned locks in hs_err file
JDK-8275745	Reproducible copyright headers
JDK-8275735	[linux] Remove deprecated Metrics api (kernel memory limit)
JDK-8275730	Relax memory constraint on MultiThreadedRefCounter
JDK-8275729	Qualified method names in CodeHeap Analytics
JDK-8275728	Add simple Producer/Consumer microbenchmark for Thread.onSpinWait
JDK-8275721	Name of UTC timezone in a locale changes depending on previous code
JDK-8275720	CommonComponentAccessibility.createWithParent isWrapped causes mem leak
JDK-8275718	Relax memory constraint on exception counter updates
JDK-8275717	Reimplement STATIC_ASSERT to use static_assert
JDK-8275714	G1: remove unused variable in G1Policy::transfer_survivors_to_cset
JDK-8275712	Hashtable literal_size functions are broken
JDK-8275704	Metaspace::contains() should be threadsafe
JDK-8275703	System.loadLibrary fails on Big Sur for libraries hidden from filesystem
JDK-8275689	[TESTBUG] Use color tolerance only for XRender in BlitRotateClippedArea test
JDK-8275688	Suppress warnings on non-serializable non-transient instance fields in DualPivotQuicksort
JDK-8275687	runtime/CommandLine/PrintTouchedMethods test shouldn't catch RuntimeException
JDK-8275686	Suppress warnings on non-serializable non-transient instance fields in java.rmi
JDK-8275670	ciReplay: java.lang.NoClassDefFoundError when trying to load java/lang/invoke/LambdaForm\$MH
JDK-8275666	serviceability/jvmti/GetObjectSizeClass.java shouldn't have vm.flagless

OpenJDK Patch ID	Synopsis
JDK-8275653	Remove spec change documents for sealed classes
JDK-8275650	Problemlist java/io/File/createTempFile/SpecialTempFile.java for Windows 11
JDK-8275645	[JVMCI] avoid unaligned volatile reads on AArch64
JDK-8275643	C2's unaryOp vector intrinsic does not properly handle LongVector.neg
JDK-8275638	GraphKit::combine_exception_states fails with "matching stack sizes" assert
JDK-8275610	C2: Object field load floats above its null check resulting in a segfault
JDK-8275608	runtime/Metaspace/elastic/TestMetaspaceAllocationMT2 too slow
JDK-8275607	G1: G1CardSetAllocator::drop_all needs to call G1SegmentedArray::drop_all
JDK-8275605	Deproblemlist closed/test/jdk/javax/swing/JMenuItem/6458123/bug6458123.java for linux
JDK-8275604	Zero: Reformat opclabels_data
JDK-8275586	Zero: Simplify interpreter initialization
JDK-8275582	Don't purge metaspace mapping lists
JDK-8275569	Add linux-aarch64 to test-make profiles
JDK-8275536	Add test to check that File::lastModified returns same time stamp as Files.getLastModifiedTime
JDK-8275534	com.sun.net.httpserver.BasicAuthenticator should check whether "realm" is a quoted string
JDK-8275527	Refactor forward pointer access
JDK-8275518	accessibility issue in Inet6Address docs
JDK-8275517	Off-by-one error in allocation
JDK-8275512	Upgrade required version of jtreg to 6.1

OpenJDK Patch ID	Synopsis
JDK-8275511	G1: Rename needs_remset_update to remset_is_tracked in G1HeapRegionAttr
JDK-8275509	ModuleDescriptor.hashCode isn't reproducible across builds
JDK-8275506	Rename allocated_on_stack to allocated_on_stack_or_embedded
JDK-8275449	Add linux-aarch64-zero build profile
JDK-8275448	[REDO] AArch64: Implement string_compare intrinsic in SVE
JDK-8275445	RunThese30M.java failed "assert(ZAddress::is_marked(addr)) failed: Should be marked"
JDK-8275440	Remove VirtualSpaceList::is_full()
JDK-8275439	Remove PrintVtableStats
JDK-8275436	[BACKOUT] JDK-8271949 dumpopath in -XX:FlightRecorderOptions does not affect
JDK-8275426	PretouchTask num_chunks calculation can overflow
JDK-8275416	G1: remove unnecessary make_referent_alive in precleaning phase
JDK-8275415	Prepare Leak Profiler for Lilliput
JDK-8275413	Remove unused InstanceKlass::set_array_klasses() method
JDK-8275406	Add copy-to-clipboard feature to snippet UI
JDK-8275405	Linking error for classes with lambda template parameters and virtual functions
JDK-8275386	Change nested classes in jdk.jlink to static nested classes
JDK-8275385	Change nested classes in jdk.jdi to static nested classes
JDK-8275384	Change nested classes in jdk.jconsole to static nested classes
JDK-8275381	G1: refactor 2 constructors of G1CardSetConfiguration
JDK-8275375	[REDO] JDK-8271949 dumpopath in -XX:FlightRecorderOptions does not affect
JDK-8275368	Correct statement of kinds of elements Processor.process operates over

OpenJDK Patch ID	Synopsis
JDK-8275360	Use @Override in javax.annotation.processing
JDK-8275347	ciReplay: staticfield lines not properly terminated
JDK-8275344	-Xcheck:jni produces some warnings in the LCMS.c
JDK-8275342	Change nested classes in java.prefs to static nested classes
JDK-8275334	Move class loading Events to a separate section in hs_err files
JDK-8275333	Print count in "Too many recored phases?" assert
JDK-8275330	C2: assert(n _{is} _Root() n _{is} _Region() n _{is} _Phi() n _{is} _MachMerge() def_block _{dominates} (block)) failed: uses must be dominated by definitions
JDK-8275329	ZGC: vmTestbase/gc/gctests/SoftReference/soft004/soft004.java fails with assert(_phases _{length} () ≤ 1000) failed: Too many recored phases?
JDK-8275326	C2: assert(no_dead_loop) failed: dead loop detected
JDK-8275322	Change nested classes in java.management to static nested classes
JDK-8275320	NMT should perform buffer overrun checks
JDK-8275319	java.net.NetworkInterface throws java.lang.Error instead of SocketException
JDK-8275317	AArch64: Support some type conversion vectorization in SLP
JDK-8275308	Add valueOf(Runtime.Version) factory to SourceVersion
JDK-8275302	unexpected compiler error: cast, intersection types and sealed
JDK-8275301	Unify C-heap buffer overrun checks into NMT
JDK-8275298	Remove unnecessary weak_oops_do call in adjust weak roots phase
JDK-8275293	A change done with JDK-8268764 mismatches the java.rmi.server.ObjID.hashCode spec
JDK-8275287	Relax memory ordering constraints on updating instance class and array class counters
JDK-8275286	Check current thread when calling JRT methods that expect it

OpenJDK Patch ID	Synopsis
JDK-8275277	assert(dest_attr.is_in_cset() == (obj.is_forwarded() == obj)) failed: Only evacuated objects must be in the collection set here but <addr> is not
JDK-8275273	Add missing HtmlStyle documentation
JDK-8275265	java/nio/channels tests needing large heap sizes fail on x86_32
JDK-8275262	[BACKOUT] AArch64: Implement string_compare intrinsic in SVE
JDK-8275252	Migrate cacerts from JKS to password-less PKCS12
JDK-8275251	Document the new -version option in keytool and jarsigner
JDK-8275250	Documentation of the --generate-cds-archive jlink option
JDK-8275249	Suppress warnings on non-serializable array component types in jdk.jlink
JDK-8275244	Suppress warnings on non-serializable array component types in jdk.management
JDK-8275241	Unused ArrayList is created in RequestEngine.addHooks
JDK-8275240	Change nested classes in jdk.attach to static nested classes
JDK-8275234	java/awt/GraphicsDevice/DisplayModes/CycleDMImage.java is entered twice in ProblemList
JDK-8275233	Incorrect line number reported in exception stack trace thrown from a lambda expression
JDK-8275226	Shenandoah: Relax memory constraint for worker claiming tasks/ranges
JDK-8275199	Bogus warning generated for serializable records
JDK-8275197	Remove unused fields in ThaiBuddhistChronology
JDK-8275187	Suppress warnings on non-serializable array component types in java.sql.rowset
JDK-8275186	Suppress warnings on non-serializable array component types in xml
JDK-8275185	Remove dead code and clean up jvmstat LocalVmManager
JDK-8275173	testlibrary_tests/ir_framework/tests/TestCheckedTests.java fails after JDK-8274911

OpenJDK Patch ID	Synopsis
JDK-8275171	ProblemList compiler/codegen/aes/TestAESMain.java on linux-x64 and windows-x64 in -Xcomp mode
JDK-8275167	x86 intrinsic for unsignedMultiplyHigh
JDK-8275163	Deflater::deflate methods omit javadoc for ReadOnlyBufferException
JDK-8275162	Use varargs in 'def' macros in mutexLocker.cpp
JDK-8275150	URLClassLoaderTable should store OopHandle instead of Handle
JDK-8275149	(ch) ReadableByteChannel returned by Channels.newChannel(InputStream) throws ReadOnlyBufferException
JDK-8275145	file.encoding system property has an incorrect value on Windows
JDK-8275137	jdk.unsupported/sun.reflect.ReflectionFactory.readObjectNoDataForSerialization uses wrong signature
JDK-8275131	Exceptions after a touchpad gesture on macOS
JDK-8275128	Build hsdisk using normal build system
JDK-8275106	Cleanup Iterator usages in java.desktop
JDK-8275104	IR framework does not handle client VM builds correctly
JDK-8275097	Wrong span of the 'default' tag
JDK-8275091	/src/jdk.management.jfr/share/classes/module-info.java has non-canonical order
JDK-8275086	compiler/c2/irTests/TestPostParseCallDevirtualization.java fails when compiler1 is disabled
JDK-8275084	CDS warning when building with LOG=debug
JDK-8275082	Update XML Security for Java to 2.3.0
JDK-8275080	G1CollectedHeap::expand() returns the wrong value
JDK-8275079	Remove unnecessary conversion to String in java.net.http
JDK-8275075	Remove unnecessary conversion to String in jdk.hotspot.agent
JDK-8275074	Cleanup unused code in JFR LeakProfiler

OpenJDK Patch ID	Synopsis
JDK-8275071	[macos] A11y cursor gets stuck when combobox is closed
JDK-8275063	Implementation of Foreign Function & Memory API (Second incubator)
JDK-8275056	Virtualize G1CardSet containers over heap region
JDK-8275055	Improve HeapRegionRemSet::split_card()
JDK-8275052	AArch64: Severe AES/GCM slowdown on MacOS for short blocks
JDK-8275051	Shenandoah: Correct ordering of requested gc cause and gc request flag
JDK-8275049	[ZGC] missing null check in ZNMethod::log_register
JDK-8275047	Optimize existing fill stubs for AVX-512 target
JDK-8275037	Test vmTestbase/nsk/sysdict/vm/stress/btree/btree011/btree011.java crashes with memory exhaustion on Windows
JDK-8275035	Clean up worker thread infrastructure
JDK-8275031	runtime/ErrorHandling/MachCodeFramesInErrorFile.java fails when hsd is present
JDK-8275021	Test serviceability/sa/TestJmapCore.java fails with: java.io.IOException: Stack frame 0x4 not found
JDK-8275013	Improve discussion of serialization method declarations in java.io.Object{Input, Output}Stream
JDK-8275008	gtest build failure due to stringop-overflow warning with gcc11
JDK-8275007	Java fails to start with null charset if LC_ALL is set to certain locales
JDK-8275004	CDS build failure with gcc11
JDK-8275003	Suppress warnings on non-serializable non-transient instance fields in windows mscapi
JDK-8275002	Remove unused AbstractStringBuilder.MAX_ARRAY_SIZE
JDK-8274988	G1: refine G1SegmentedArrayAllocOptions and G1CardSetAllocOptions
JDK-8274986	max code printed in hs-err logs should be configurable
JDK-8274983	C1 optimizes the invocation of private interface methods

OpenJDK Patch ID	Synopsis
JDK-8274952	jdk/jfr/api/consumer/TestRecordedFrameType.java failed when c1 disabled
JDK-8274949	Use String.contains() instead of String.indexOf() in java.base
JDK-8274946	Cleanup unnecessary calls to Throwable.initCause() in java.rmi
JDK-8274945	Cleanup unnecessary calls to Throwable.initCause() in java.desktop
JDK-8274944	AppCDS dump causes SEGV in VM thread while adjusting lambda proxy class info
JDK-8274942	AssertionError at jdk.compiler/com.sun.tools.javac.util.Assert.error(Assert.java:155)
JDK-8274938	15.10.3: ArrayAccess is unnecessarily restrictive
JDK-8274937	Revert the timeout setting for DynamicLoaderConstraintsTest
JDK-8274935	dumptime_table has stale entry
JDK-8274934	Attempting to acquire lock JNIOritical_lock/41 out of order with lock MultiArray_lock/41
JDK-8274930	sun/tools/jps/TestJps.java can fail with long VM arguments string
JDK-8274927	Remove unnecessary G1ArchiveAllocator code
JDK-8274925	Shenandoah: shenandoah/TestAllocHumongousFragment.java test failed on lock rank check
JDK-8274920	ProblemList 2 VectorAPI tests failing due to "assert(!vbox.is_Phi()) failed"
JDK-8274911	testlibrary_tests/ir_framework/tests/TestIRMatching.java fails with "java.lang.RuntimeException: Should have thrown exception"
JDK-8274910	Compile in G1 evacuation failure injection code based on define
JDK-8274903	Zero: Support AsyncGetCallTrace
JDK-8274900	Too weak variable type leads to unnecessary cast in jdk.javadoc
JDK-8274899	Replace usages of Collections.sort with List.sort call in jdk.hotspot.agent
JDK-8274894	Use Optional.empty() instead of ofNullable(null) in HttpResponse.BodySubscribers.discarding

OpenJDK Patch ID	Synopsis
JDK-8274888	Dump "-DReproduce=true" to the test VM command line output
JDK-8274883	(se) Selector.open throws IAE when the default file system provider is changed to a custom provider
JDK-8274882	Cleanup redundant boxing in java.desktop
JDK-8274879	Replace uses of StringBuffer with StringBuilder within java.base classes
JDK-8274864	Remove Amman/Cairo hacks in ZoneInfoFile
JDK-8274858	Remove unused dictionary_classes_do functions
JDK-8274856	Failing jpackage tests with fastdebug/release build
JDK-8274855	vectorapi tests failing with assert(!vbox❯is_Phi()) failed
JDK-8274851	[ppc64] Port zgc to linux on ppc64le
JDK-8274848	LambdaMetaFactory::metafactory on REF_invokeSpecial impl method has incorrect behavior
JDK-8274840	Update OS detection code to recognize Windows 11
JDK-8274838	runtime/cds/appcds/TestSerialGCWithCDS.java fails on Windows
JDK-8274835	Remove unnecessary castings in java.base
JDK-8274806	Simplify equals() call on nullable variable and a constant in java.desktop
JDK-8274797	ProblemList resourcehogs/serviceability/sa/TestHeapDumpForLargeArray.java on macosx-x64
JDK-8274795	AArch64: avoid spilling and restoring r18 in macro assembler
JDK-8274794	Print all owned locks in hs_err file
JDK-8274793	Suppress warnings on non-serializable non-transient instance fields in sun.net
JDK-8274785	ciReplay: Potential crash due to uninitialized Compile::_ilt variable
JDK-8274784	jshell: Garbled character was displayed by System.out.println(...) on Japanese Windows

OpenJDK Patch ID	Synopsis
JDK-8274781	Use monospace font for enclosing interface
JDK-8274780	ChannelInputStream.readNBytes(int) incorrectly calls readAllBytes()
JDK-8274779	URLConnection: HttpClient and HttpClient incorrectly check request method when set to POST
JDK-8274773	[TESTBUG] UnsafeIntrinsicsTest intermittently fails on weak memory model platform
JDK-8274770	[PPC64] resolve_jobject needs a generic implementation to support load barriers
JDK-8274757	Cleanup unnecessary calls to Throwable.initCause() in java.management module
JDK-8274755	Replace 'while' cycles with iterator with enhanced-for in jdk.jdi
JDK-8274753	ZGC: SEGV in MetaspaceShared::link_shared_classes
JDK-8274750	java/io/File/GetXSpace.java failed: '/dev': 191488 != 190976
JDK-8274745	ProblemList TestSnippetTag.java
JDK-8274744	TestSnippetTag test fails after recent integration
JDK-8274738	ZGC: Use relaxed atomic load when reading bits in the live map
JDK-8274736	Concurrent read/close of SSLSockets causes SSLSessions to be invalidated unnecessarily
JDK-8274734	the method jdk.jshell.SourceCodeAnalysis documentation not working
JDK-8274730	AArch64: AES/GCM acceleration is broken by the fix for JDK-8273297
JDK-8274729	Define Position.NOPOS == Diagnostic.NOPOS
JDK-8274721	UnixSystem fails to provide uid, gid or groups if no username is available
JDK-8274718	runtime/cds/appcads/LambdaEagerInit.java fails with -XX: -CompactStrings
JDK-8274716	JDWP Spec: the description for the Dispose command confuses suspend with resume.
JDK-8274715	Implement forEach in Collections.CopiesList

OpenJDK Patch ID	Synopsis
JDK-8274714	Incorrect verifier protected access error message
JDK-8274687	JDWP deadlocks if some Java thread reaches wait in blockOnDebuggerSuspend
JDK-8274686	java.util.UUID#hashCode() should use Long.hashCode()
JDK-8274685	Documentation suggests there are ArbitrarilyJumpableGenerator when none
JDK-8274680	Remove unnecessary conversion to String in java.desktop
JDK-8274670	Improve version string handling in SA
JDK-8274666	rename HtmlStyle.descfrmTypeLabel to be less cryptic
JDK-8274662	Replace 'while' cycles with iterator with enhanced-for in jdk.hotspot.agent
JDK-8274658	ISO 4217 Amendment 170 Update
JDK-8274656	Remove default_checksum and safe_checksum_type from krb5.conf
JDK-8274651	Possible race in FontDesignMetrics.KeyReference.dispose
JDK-8274642	jdk/jshell/CommandCompletionTest.java fails with NoSuchElementException after JDK-8271287
JDK-8274640	Cleanup unnecessary null comparison before instanceof check in java.desktop
JDK-8274639	Provide a way to disable warnings for cross-modular links
JDK-8274635	Use String.equals instead of String.compareTo in jdk.accessibility
JDK-8274634	Use String.equals instead of String.compareTo in java.desktop
JDK-8274632	Possible pointer overflow in PretouchTask chunk claiming
JDK-8274625	Search field placeholder behavior
JDK-8274621	NullPointerException because listenAddress[0] is null
JDK-8274620	resourcehogs/serviceability/sa/TestHeapDumpForLargeArray.java is timing out
JDK-8274615	Support relaxed atomic add for linux-aarch64

OpenJDK Patch ID	Synopsis
JDK-8274610	Add linux-aarch64 to bootcycle build profiles
JDK-8274606	Fix jaxp/javax/xml/jaxp/unittest/transform/SurrogateTest.java test
JDK-8274605	Fix predicate guarantees on returned values in (Doc)SourcePositions
JDK-8274563	jfr/event/oldobject/TestClassLoaderLeak.java fails when GC cycles are not happening
JDK-8274562	(fs) UserDefinedFileAttributeValue doesn't correctly determine if supported when using OverlayFS
JDK-8274561	sun/net/ftp/TestFtpTimeValue.java timed out on slow machines
JDK-8274560	JFR: Add test for OldObjectSample event when using Shenandoah
JDK-8274559	JFR: Typo in 'jfr help configure' text
JDK-8274550	c2i entry barriers read int as long on PPC
JDK-8274548	(fc) FileChannel gathering write fails with IOException "Invalid argument" on macOS 11.6
JDK-8274546	Shenandoah: Remove unused ShenandoahUpdateRootsTask copy
JDK-8274528	Add comment to explain an HKDF optimization in SSLSecretDerivation
JDK-8274527	Minimal VM build fails after JDK-8273459
JDK-8274525	Replace uses of StringBuffer with StringBuilder in java.xml
JDK-8274523	java/lang/management/MemoryMXBean/MemoryTest.java test should handle Shenandoah
JDK-8274522	java/lang/management/ManagementFactory/MXBeanException.java test fails with Shenandoah
JDK-8274521	jdk/jfr/event/gc/detailed/TestGCLockerEvent.java fails when other GC is selected
JDK-8274516	[REDO] JDK-8271880: Tighten condition for excluding regions from collecting cards with cross-references
JDK-8274509	Remove stray * and stylistic . from doc comments
JDK-8274506	TestPids.java and TestPidsLimit.java fail with podman run as root

OpenJDK Patch ID	Synopsis
JDK-8274505	Too weak variable type leads to unnecessary cast in java.desktop
JDK-8274501	c2i entry barriers read int as long on AArch64
JDK-8274497	Unnecessary Vector usage in AquaFileSystemModel
JDK-8274496	Use String.contains() instead of String.indexOf() in java.desktop
JDK-8274471	Add support for RSASSA-PSS in OCSP Response
JDK-8274468	TimeZoneTest.java fails with tzdata2021b
JDK-8274467	TestZoneInfo310.java fails with tzdata2021b
JDK-8274466	G1: use field directly rather than method in G1CollectorState::in_mixed_phase
JDK-8274465	Fix javax/swing/text/ParagraphView/6364882/bug6364882.java failures
JDK-8274464	Remove redundant stream() call before forEach in java.* modules
JDK-8274456	Remove jtreg tag manual=yesno java/awt/print/PrinterJob/PageDialogTest.java
JDK-8274453	(sctp) com/sun/nio/sctp/SctpChannel/CloseDescriptors.java test should be resilient to Isof warnings
JDK-8274435	EXCEPTION_ACCESS_VIOLATION in BFSClosure::closure_impl
JDK-8274434	move os::get_default_process_handle and os::dll_lookup to os_posix for POSIX platforms
JDK-8274430	Remove some debug error printing code added in JDK-8017163
JDK-8274415	Suppress warnings on non-serializable non-transient instance fields in java.xml
JDK-8274407	(tz) Update Timezone Data to 2021c
JDK-8274406	RunThese30M.java failed "assert(!LCA_orig␣dominates(pred_block) early␣dominates(pred_block)) failed: early is high enough"
JDK-8274405	Suppress warnings on non-serializable non-transient instance fields in javac and javadoc
JDK-8274401	C2: GraphKit::load_array_element bypasses Access API

OpenJDK Patch ID	Synopsis
JDK-8274398	Suppress more warnings on non-serializable non-transient instance fields in management libs
JDK-8274397	[macOS] Stop setting env. var JAVA_MAIN_CLASS_<pid> in launcher code
JDK-8274396	Suppress more warnings on non-serializable non-transient instance fields in client libs
JDK-8274395	Use enhanced-for instead of plain 'for' in jdk.internal.jvmstat
JDK-8274394	Use Optional.isEmpty instead of !Optional.isPresent in jdk.jlink
JDK-8274393	Suppress more warnings on non-serializable non-transient instance fields in security libs
JDK-8274392	Suppress more warnings on non-serializable non-transient instance fields in java.sql.rowset
JDK-8274391	Suppress more warnings on non-serializable non-transient instance fields in java.util.concurrent
JDK-8274383	JNI call of getAccessibleSelection on a wrong thread
JDK-8274381	missing CAccessibility definitions in JNI code
JDK-8274379	Allow process of unsafe access errors in check_special_condition_for_native_trans
JDK-8274367	Re-indent stack-trace examples for Throwable.printStackTrace
JDK-8274363	Transitively sealed classes not considered exhaustive in switches
JDK-8274349	ForkJoinPool.commonPool() does not work with 1 CPU
JDK-8274347	Passing a nested switch expression as a parameter causes an NPE during compile
JDK-8274346	Support for additional content in an app-image.
JDK-8274345	make build-test-lib is broken
JDK-8274340	[BACKOUT] JDK-8271880: Tighten condition for excluding regions from collecting cards with cross-references

OpenJDK Patch ID	Synopsis
JDK-8274338	com/sun/jdi/RedefineCrossEvent.java failed "assert(m != __null) failed: NULL mirror"
JDK-8274333	Redundant null comparison after Pattern.split
JDK-8274330	Incorrect encoding of the DistributionPointName object in IssuingDistributionPointExtension
JDK-8274329	Fix non-portable HotSpot code in MethodMatcher::parse_method_pattern
JDK-8274328	C2: Redundant CFG edges fixup in block ordering
JDK-8274326	[macos] Ensure initialisation of sun/lwawt/macosx/CAccessibility in JavaComponentAccessibility.m
JDK-8274325	C4819 warning at vm_version_x86.cpp on Windows after JDK-8234160
JDK-8274323	compiler/codegen/aes/TestAESMain.java failed with "Error: invalid offset: -1434443640" after 8273297
JDK-8274322	Problems with oopDesc construction
JDK-8274321	Standardize values of @since tags in javax.lang.model
JDK-8274320	os::fork_and_exec() should be using posix_spawn
JDK-8274319	Replace usages of Collections.sort with List.sort call in jdk.jfr
JDK-8274318	Replace 'for' cycles with iterator with enhanced-for in java.management
JDK-8274317	Unnecessary reentrant synchronized block in java.awt.Cursor
JDK-8274315	JFR: One closed state per file or stream
JDK-8274314	Typo in WatchService#poll(long timeout, TimeUnit unit) javadoc
JDK-8274313	ProblemList sun/tools/jmap/BasicJMapTest.java subtests
JDK-8274312	ProblemList 2 serviceability/dcmd/gc tests with ZGC on macos-all
JDK-8274311	Make build.tools.jigsaw.GenGraphs more configurable
JDK-8274299	Make Method/Constructor/Field accessors @Stable
JDK-8274298	JFR Thread Sampler thread must not acquire malloc lock after suspending a thread because of possible deadlock

OpenJDK Patch ID	Synopsis
JDK-8274296	Update or Problem List tests which may fail with uiScale=2 on macOS
JDK-8274295	Update the javadoc man page to reflect JDK 17 changes
JDK-8274294	ProblemList sun/tools/jmap/BasicJMapTest.java
JDK-8274293	Build failure on macOS with Xcode 13.0 as vfork is deprecated
JDK-8274289	jdk/jfr/api/consumer/TestRecordedFrameType.java failed with "RuntimeException: assertEquals: expected Interpreted to not equal Interpreted"
JDK-8274286	Skip null for make_referent_alive in referenceProcessor
JDK-8274282	Clarify special wait assert
JDK-8274276	Cache normalizedBase URL in URLClassPath.FileLoader
JDK-8274273	Update testing docs for MacOS with Non-US locale
JDK-8274265	Suspicious string concatenation in logTestUtils.inline.hpp
JDK-8274261	Use enhanced-for instead of plain 'for' in jdk.jcmd
JDK-8274259	G1: assert(check_alignment(result)) failed: address not aligned: 0x00000008baadbabe after JDK-8270009
JDK-8274255	Update javac messages to use "enum class" rather than "enum type"
JDK-8274245	sun/tools/jmap/BasicJMapTest.java Mutex rank failures
JDK-8274244	ReportOnImportedModuleAnnotation.java fails on rerun
JDK-8274242	Implement fast-path for ASCII-compatible CharsetEncoders on x86
JDK-8274237	Replace 'for' cycles with iterator with enhanced-for in java.base
JDK-8274234	Remove unnecessary boxing via primitive wrapper valueOf(String) methods in java.sql.rowset
JDK-8274233	Minor cleanup for ToolBox
JDK-8274232	Cleanup unnecessary null comparison before instanceof check in jdk.jdi
JDK-8274227	Remove "impl.prefix" jdk system property usage from InetAddress

OpenJDK Patch ID	Synopsis
JDK-8274216	ProblemList 2 serviceability/dcmd/gc tests with ZGC on linux-all and windows-all
JDK-8274211	Test man page that options are documented
JDK-8274205	Handle KDC_ERR_SVC_UNAVAILABLE error code from KDC
JDK-8274196	Crashes in VM_HeapDumper::work after JDK-8252842
JDK-8274195	Doc cleanup in java.nio.file
JDK-8274191	Improve g1 evacuation failure injector performance
JDK-8274190	Use String.equals instead of String.compareTo in jdk.internal.jvmstat
JDK-8274179	AArch64: Support SVE operations with encodable immediates
JDK-8274175	(fc) java/nio/channels/FileChannel/Transfer2GPlus.java still failed in timeout
JDK-8274172	Convert JavadocTester to use NIO
JDK-8274171	java/nio/file/Files/probeContentType/Basic.java failed on "Content type" mismatches
JDK-8274170	Add hooks for custom makefiles to augment jtreg test execution
JDK-8274169	HotSpot Style Guide has stale link to chromium style guide
JDK-8274168	Avoid String.compareTo == 0 to check String equality in java.management
JDK-8274163	Use String.equals instead of String.compareTo in jdk.jcmd
JDK-8274161	Cleanup redundant casts in jdk.compiler
JDK-8274160	java/awt/Window/ShapedAndTranslucentWindows/Common.java delay is too high
JDK-8274145	C2: condition incorrectly made redundant with dominating main loop exit condition
JDK-8274143	Disable "invalid entry for security.provider.X" error message in log file when security.provider.X is empty
JDK-8274136	-XX:+ExitOnOutOfMemoryError calls exit while threads are running

OpenJDK Patch ID	Synopsis
JDK-8274130	C2: MulNode::Ideal chained transformations may act on wrong nodes
JDK-8274120	[JVMCI] CompileBroker should resolve parameter types for JVMCI compiles
JDK-8274114	ProblemList serviceability/sa/TestJhsdbJstackMixed.java on linux-aarch64 in -Xcomp mode
JDK-8274087	Windows DLL path not set correctly.
JDK-8274083	Update testing docs to mention tiered testing
JDK-8274079	Cleanup unnecessary calls to Throwable.initCause() in java.base module
JDK-8274075	Fix miscellaneous typos in java.base
JDK-8274074	SIGFPE with C2 compiled code with -XX:+StressGCM
JDK-8274071	Clean up java.lang.ref comments and documentation
JDK-8274070	Rectify problemlist platform for failing test on macos12
JDK-8274069	Clean up g1ParScanThreadState a bit
JDK-8274068	Rename G1ScanInYoungSetter to G1SkipCardEnqueueSetter
JDK-8274060	C2: Incorrect computation after JDK-8273454
JDK-8274056	JavaAccessibilityUtilities leaks JNI objects
JDK-8274054	Add custom enqueue calls during reference processing
JDK-8274053	[BACKOUT] JDK-8270842: G1: Only young regions need to redirty outside references in remset.
JDK-8274050	Unnecessary Vector usage in javax.crypto
JDK-8274048	IGV: Replace usages of Collections.sort with List.sort call
JDK-8274039	codestrings gtest fails when hsd is present
JDK-8274033	Some tier-4 CDS EpsilonGC tests throw OOM
JDK-8274032	Remove jtreg tag manual=yesno for java/awt/print/PrinterJob/ImagePrinting/ImageTypes.java & show test UI
JDK-8274031	Typo in StringBuilder.readObject

OpenJDK Patch ID	Synopsis
JDK-8274029	Remove jtreg tag manual=yesno for java/awt/print/Dialog/DialogOrient.java
JDK-8274016	Replace 'for' cycles with iterator with enhanced-for in java.desktop
JDK-8274007	[REDO] VM Exit does not abort concurrent mark
JDK-8274004	Change 'nonleaf' rank name
JDK-8274003	ProcessHandleImpl.Info toString has an if check which is always true
JDK-8273979	move some os time related functions to os_posix for POSIX platforms
JDK-8273972	Multi-core choke point in CMM engine (LCMSTransform.doTransform)
JDK-8273967	gtest os.dll_address_to_function_and_library_name_vm fails on macOS12
JDK-8273965	some testlibrary_tests/ir_framework tests fail when c1 disabled
JDK-8273961	jdk/nio/zipfs/ZipFSTester.java fails if file path contains '+' character
JDK-8273960	Redundant condition in Metadata.TypeComparator.compare
JDK-8273959	Some metaspace diagnostic switches should be develop
JDK-8273958	gtest/MetaspaceGtests executes unnecessary tests in debug builds
JDK-8273956	Add checking for rank values
JDK-8273940	vmTestbase/vm/mlvm/meth/stress/gc/callSequencesDuringGC/Test.java crashes in full gc during VM exit
JDK-8273935	(zipfs) Files.getFileAttributeView() throws UOE instead of returning null when view not supported
JDK-8273934	Remove unused perfcounters
JDK-8273933	[TESTBUG] Test must run without preallocated exceptions
JDK-8273929	Remove GzipRandomAccess in heap dump test
JDK-8273928	Use named run ids when problem listing tests
JDK-8273927	Enable hsd is for riscv64
JDK-8273924	ArrayIndexOutOfBoundsException thrown in java.util.JapaneseImperialCalendar.add()

OpenJDK Patch ID	Synopsis
JDK-8273922	(fs) UserDefinedFileAttributeView doesn't handle file names that are just under the MAX_PATH limit (win)
JDK-8273921	Refactor NSK/JDI tests to create thread using factory
JDK-8273917	Remove 'leaf' ranking for Mutex
JDK-8273916	Remove 'special' ranking
JDK-8273915	Create 'nosafepoint' rank
JDK-8273913	Problem list some headful client jtreg tests that fail on macOS 12
JDK-8273912	Add threadControl_dumpThread(jthread) function
JDK-8273910	Redundant condition and assignment in java.net.URI
JDK-8273909	vmTestbase/nsk/jdi/Event/request/request001 can still fail with "ERROR: new event is not ThreadStartEvent"
JDK-8273907	Cleanup redundant Math.max/min calls in DefaultHighlighter
JDK-8273902	Memory leak in OopStorage due to bug in OopHandle::release()
JDK-8273895	compiler/ciReplay/TestVMNoCompLevel.java fails due to wrong data size with TieredStopAtLevel=2,3
JDK-8273894	ConcurrentModificationException raised every time ReferralsCache drops referral
JDK-8273887	[macos] java/awt/color/ICC_ColorSpace/MTTransformReplacedProfile.java timed out
JDK-8273881	Metaspace: test repeated deallocations
JDK-8273880	Zero: Print warnings when unsupported intrinsics are enabled
JDK-8273877	os::unsetenv unused
JDK-8273872	ZGC: Explicitly use 2M large pages
JDK-8273832	gc/shenandoah/TestJcmdHeapDump.java does not have a @requires vm.gc.shenandoah

OpenJDK Patch ID	Synopsis
JDK-8273831	PrintServiceLookup spawns 2 threads in the current classloader, getting orphaned
JDK-8273826	Correct Manifest file name and NPE checks
JDK-8273825	TestIRMatching.java fails after JDK-8266550
JDK-8273823	ProblemList gc/stringdedup tests timing out on ZGC
JDK-8273815	move have_special_privileges to os_posix for POSIX platforms
JDK-8273808	Cleanup AddFontsToX11FontPath
JDK-8273807	Zero: Drop incorrect test block from compiler/startup/NumCompilerThreadsCheck.java
JDK-8273806	compiler/cpuflags/TestSSE4Disabled.java should test for CPU feature explicitly
JDK-8273805	gc/g1/TestGCLogMessages.java test should handle non-JFR configs
JDK-8273804	Platform.isTieredSupported should handle the no-compiler case
JDK-8273803	Zero: Handle "zero" variant in CommandLineOptionTest.java
JDK-8273801	Handle VMTYPE for "core" VM variant
JDK-8273797	Stop impersonating "server" VM in all VM variants
JDK-8273792	JumpableGenerator.rngs() documentation refers to wrong method
JDK-8273790	Potential cyclic dependencies between Gregorian and CalendarSystem
JDK-8273783	Simplify Metaspace arena guard handling
JDK-8273774	CDSPluginTest should only expect classes_nocoops.jsa exists on supported 64-bit platforms
JDK-8273745	VerifyLocale.java occasionally times out
JDK-8273739	Java Security Standard Algorithm Names spec should include names of key formats
JDK-8273730	WorkGangBarrierSync constructor unused

OpenJDK Patch ID	Synopsis
JDK-8273714	jdk/jfr/api/consumer/TestRecordedFrame.java still times out after JDK-8273047
JDK-8273712	C2: Add mechanism for rejecting inlining of low frequency call sites and deprecate MinInliningThreshold.
JDK-8273711	Remove redundant stream() call before forEach in jdk.jlink
JDK-8273710	Remove redundant stream() call before forEach in jdk.jdeps
JDK-8273704	DrawStringWithInfiniteXform.java failed : drawString with InfiniteXform transform takes long time
JDK-8273695	Safepoint deadlock on VMOperation_lock
JDK-8273691	Missing comma after 2021 in GraphemeTestAccessor.java copyright notice
JDK-8273685	Remove jtreg tag manual=yesno for java/awt/Graphics/LCDTextAndGraphicsState.java & show test instruction
JDK-8273684	Replace usages of java.util.Stack with ArrayDeque
JDK-8273682	Upgrade Jline to 3.20.0
JDK-8273681	Add Vector API vs Arrays.mismatch intrinsic benchmark
JDK-8273678	TableAccessibility and TableRowAccessibility miss autorelease
JDK-8273675	Remove unused Universe::_verify_in_progress flag
JDK-8273670	Remove weak etypes from default krb5 etype list
JDK-8273659	Replay compilation crashes with SIGSEGV since 8271911
JDK-8273656	Improve java.lang.invoke.MethodType.parameterList() and its usage
JDK-8273655	content-types.properties files are missing some common types
JDK-8273654	JFR: Remove unused SecuritySupport.setAccessible(Field)
JDK-8273651	JFR: onMetadata(), setStartTime(), setEndTime() lacks test coverage
JDK-8273646	Add openssl from path variable also in to Default System Openssl Path in OpensslArtifactFetcher

OpenJDK Patch ID	Synopsis
JDK-8273641	(bf) Buffer subclasses documentation contains template strings
JDK-8273639	tests fail with "assert(_handle_mark_nesting > 1) failed: memory leak: allocating handle outside HandleMark"
JDK-8273638	javax/swing/JTable/4235420/bug4235420.java fails in GTK L&F
JDK-8273635	Attempting to acquire lock StackWatermark_lock/9 out of order with lock tty_lock/3
JDK-8273634	[TEST_BUG] Improve javax/swing/text/ParagraphView/6364882/bug6364882.java
JDK-8273629	compiler/uncommontrap/TestDeoptOOM.java fails with release VMs
JDK-8273626	G1: Factor out concurrent segmented array from G1CardSetAllocator
JDK-8273616	Fix trivial doc typos in the java.base module
JDK-8273614	Shenandoah: intermittent timeout with ConcurrentGCBreakpoint tests
JDK-8273613	JFR: RemoteRecordingStream::start() blocks close()
JDK-8273612	Fix for JDK-8272873 causes timeout in running some tests with -Xcomp
JDK-8273611	Remove unused ProfilePrint_lock
JDK-8273610	LogTestFixture::restore_config() should not restore options
JDK-8273609	Fix trivial doc typos in the compiler area
JDK-8273606	Zero: SPARC64 build fails with si_band type mismatch
JDK-8273605	VM Exit does not abort concurrent mark
JDK-8273599	Remove cross_threshold method usage around GC
JDK-8273597	Rectify Thread::is_ConcurrentGC_thread()
JDK-8273595	tools/jpackage tests do not work on apt-based Linux distros like Debian
JDK-8273592	Backout JDK-8271868
JDK-8273590	Move helper classes in G1 post evacuation sub tasks to cpp files
JDK-8273585	String.charAt performance degrades due to JDK-8268698

OpenJDK Patch ID	Synopsis
JDK-8273584	TypeElement.getSuperclass crashes for a record TypeElement when j.l.Record is not available
JDK-8273581	Change the mechanism by which JDK loads the platform-specific FontManager class
JDK-8273578	javax/swing/JMenu/4515762/bug4515762.java fails on macOS 12
JDK-8273575	memory leak in appendBootClassPath(), paths must be deallocated
JDK-8273559	Shenandoah: Shenandoah should support multi-threaded heap dump
JDK-8273550	Replace os::cgc_thread/pgc_thread with os::gc_thread
JDK-8273546	DecimalFormat documentation contains literal HTML character references
JDK-8273545	Remove Thread::is_GC_task_thread()
JDK-8273544	Increase test coverage for snippets
JDK-8273541	Cleaner Thread creates with normal priority instead of MAX_PRIORITY - 2
JDK-8273539	[PPC64] gtest build error after JDK-8264207
JDK-8273528	Avoid ByteArrayOutputStream.toByteArray when converting stream to String
JDK-8273526	Extend the OSContainer API pids controller with pids.current
JDK-8273522	Rename test property vm.cds.archived.java.heap to vm.cds.write.archived.java.heap
JDK-8273518	Update the java manpage markdown source for foldmultilines changes
JDK-8273516	ProblemList compiler/c2/Test7179138_1.java in -Xcomp mode on win-X64
JDK-8273514	java/util/DoubleStreamSums/CompensatedSums.java failure
JDK-8273513	Make java.io.FilterInputStream specification more precise about overrides
JDK-8273512	Fix the copyright header of x86 macroAssembler files
JDK-8273508	Support archived heap objects in SerialGC

OpenJDK Patch ID	Synopsis
JDK-8273507	Convert test/jdk/java/nio/channels/Channels/TransferTo.java to TestNG test
JDK-8273505	runtime/cds/appcds/loaderConstraints/DynamicLoaderConstraintsTest.java#default-cl crashed with SIGSEGV in MetaspaceShared::link_shared_classes
JDK-8273498	compiler/c2/Test7179138_1.java timed out
JDK-8273497	building.md should link to both md and html
JDK-8273494	Zero: Put libjvm.so into "zero" folder, not "server"
JDK-8273492	Move evacuation failure handling into G1YoungCollector
JDK-8273491	java.util.spi.LocaleServiceProvider spec contains statement that is too strict
JDK-8273489	Zero: Handle UseHeavyMonitors on all monitorenter paths
JDK-8273487	Zero: Handle "zero" variant in runtime tests
JDK-8273486	Zero: Handle DiagnoseSyncOnValueBasedClasses VM option
JDK-8273484	Cleanup unnecessary null comparison before instanceof check in java.naming
JDK-8273483	Zero: Clear pending JNI exception check in native method handler
JDK-8273482	Remove "foreground work" concept from WorkGang
JDK-8273478	[macos11] JTabbedPane selected and pressed tab is not legible
JDK-8273476	G1: refine G1CollectedHeap::par_iterate_regions_array_part_from
JDK-8273471	Add foldmultilines to UL for stdout/err
JDK-8273462	ProblemList vmTestbase/vm/mlvm/anonloader/stress/oome/heap/Test.java in -Xcomp mode
JDK-8273459	Update code segment alignment to 64 bytes
JDK-8273456	Do not hold ttyLock around stack walking
JDK-8273454	C2: Transform (-a)*(-b) into a*b

OpenJDK Patch ID	Synopsis
JDK-8273452	DocTrees.getDocCommentTree should be specified as idempotent
JDK-8273451	Remove unreachable return in mutexLocker::wait
JDK-8273450	Fix the copyright header of SVML files
JDK-8273440	Zero: Disable runtime/Unsafe/InternalErrorTest.java
JDK-8273439	Fix G1CollectedHeap includes and forward declarations
JDK-8273438	Enable parallelism in vmTestbase/metaspace/stressHierarchy tests
JDK-8273435	Remove redundant zero-length check in ClassDesc.of
JDK-8273433	Enable parallelism in vmTestbase_nsk_sysdict tests
JDK-8273430	Suspicious duplicate condition in java.util.regex.Grapheme#isExcludedSpacingMark
JDK-8273416	C2: assert(false) failed: bad AD file after JDK-8252372 with UseSSE={0,1}
JDK-8273414	ResourceObj::operator delete should handle nullptr in debug builds
JDK-8273410	IR verification framework fails with "Should find method name in validIrRulesMap"
JDK-8273409	Receiver type narrowed by CCP does not always trigger post-parse call devirtualization
JDK-8273408	java.lang.AssertionError: typeSig ERROR on generated class property of record
JDK-8273402	Use derived NamingExceptions in com.sun.jndi.Idap.Connection#readReply
JDK-8273401	Disable JarIndex Support In URLClassPath
JDK-8273387	remove some unreferenced gtk-related functions
JDK-8273386	Remove duplicated code in G1DCQS::abandon_completed_buffers
JDK-8273383	vmTestbase/vm/gc/containers/Combination05/TestDescription.java crashes verifying length of DCQS
JDK-8273381	Assert in PtrQueueBufferAllocatorTest.stress_free_list_allocator_vm

OpenJDK Patch ID	Synopsis
JDK-8273380	ARM32: Default to {ldrex,strexd} in StubRoutines::atomic_{load store}_long
JDK-8273378	Shenandoah: Remove the remaining uses of os::is_MP
JDK-8273376	Zero: Disable vtable/itableStub gtests
JDK-8273375	Remove redundant 'new String' calls after concatenation in java.desktop
JDK-8273373	Zero: Cannot invoke JVM in primordial threads on Zero
JDK-8273372	Remove scavenge trace message in psPromotionManager
JDK-8273369	Computing micros between two instants unexpectedly overflows for some cases
JDK-8273366	[testbug] javax/swing/UIDefaults/6302464/bug6302464.java fails on macOS12
JDK-8273361	InfoOptsTest is failing in tier1
JDK-8273359	CI: cilInstanceClass::get_canonical_holder() doesn't respect instance size
JDK-8273358	macOS Monterey does not have the font Times needed by Serif
JDK-8273351	bad tag in jdk.random module-info.java
JDK-8273342	Null pointer dereference in classFileParser.cpp:2817
JDK-8273341	Update Siphash to version 1.0
JDK-8273335	compiler/blackhole tests should not run with interpreter-only VMs
JDK-8273333	Zero should warn about unimplemented -XX:+LogTouchedMethods
JDK-8273329	Remove redundant null check from String.getBytes(String charsetName)
JDK-8273328	Compiler implementation for Pattern Matching for switch (Second Preview)
JDK-8273327	JLS changes for Pattern Matching for switch (Second Preview)
JDK-8273318	Some containers/docker/TestJFREvents.java configs are running out of memory
JDK-8273317	crash in cmovP_cmpP_zero_zeroNode::bottom_type()

OpenJDK Patch ID	Synopsis
JDK-8273316	Standard Names specification for MessageDigest missing SHA-512
JDK-8273315	Parallelize and increase timeouts for java/foreign/TestMatrix.java test
JDK-8273314	Add tier4 test groups
JDK-8273302	Clarify the specification of JNI DestroyJavaVM in relation to "unloading the VM"
JDK-8273300	Check Mutex ranking during a safepoint
JDK-8273299	Unnecessary Vector usage in java.security.jgss
JDK-8273297	AES/GCM non-AVX512+VAES CPUs suffer after 8267125
JDK-8273278	Support XSLT on GraalVM Native Image—deterministic bytecode generation in XSLT
JDK-8273277	C2: Move conditional negation into rc_predicate
JDK-8273263	Incorrect recovery attribution of record component type when j.l.Record is unavailable
JDK-8273261	Replace 'while' cycles with iterator with enhanced-for in java.base
JDK-8273259	Character.getName doesn't follow Unicode spec for ideographs
JDK-8273257	jshell doesn't compile a sealed hierarchy with a sealed interface and a non-sealed leaf
JDK-8273256	runtime/cds/appcds/TestEpsilonGCWithCDS.java fails due to Unrecognized VM option 'ObjectAlignmentInBytes=64' on x86_32
JDK-8273251	Call check_possible_safepoint() from SafepointMechanism::process_if_requested()
JDK-8273250	Address javadoc issues in Deflater::setDictionary
JDK-8273248	ProblemList java/lang/instrument/BootClassPath/BootClassPathTest.sh on all configs
JDK-8273246	Amend the test java/nio/channels/DatagramChannel/ManySourcesAndTargets.java to execute in othervm mode

OpenJDK Patch ID	Synopsis
JDK-8273245	4.7.25: Fix misstatement about java.base for requires_flags
JDK-8273244	Improve diagnostic output related to ErroneousTree
JDK-8273243	Fix indentations in java.net.InetAddress methods
JDK-8273242	(test) Refactor to use TestNG for RuntimeTests ExecCommand tests
JDK-8273240	Dynamic test ArchiveConsistency.java should use CDSArchiveUtils
JDK-8273235	tools/launcher/HelpFlagsTest.java Fails on Windows 32bit
JDK-8273234	extended 'for' with expression of type tvar causes the compiler to crash
JDK-8273229	Update OS detection code to recognize Windows Server 2022
JDK-8273221	Guard GCIdMark against nested calls
JDK-8273218	G1: Rename g1EvacuationInfo to g1EvacInfo
JDK-8273217	Make ParHeapInspectTask _safepoint_check_never
JDK-8273216	JCMD does not work across container boundaries with Podman
JDK-8273206	jdk/jfr/event/gc/collection/TestG1ParallelPhases.java fails after JDK-8159979
JDK-8273203	Update docs with new default values for jdk.certpath.disabledAlgorithms and jdk.jar.disabledAlgorithms because SHA-1 signed JARs are disabled
JDK-8273198	ProblemList java/lang/instrument/BootClassPath/BootClassPathTest.sh due to JDK-8273188
JDK-8273197	ProblemList 2 jtools tests due to JDK-8273187
JDK-8273194	Document the two possible cases when Lookup::ensureInitialized returns
JDK-8273188	java/lang/instrument/BootClassPath/BootClassPathTest.sh fails with "FATAL ERROR in native method: processing of -javaagent failed, processJavaStart failed"
JDK-8273187	jtools tests fail with missing markerName check
JDK-8273186	Remove leftover comment about sparse remembered set in G1 HeapRegionRemSet

OpenJDK Patch ID	Synopsis
JDK-8273185	Rename the term "atomic" in ReferenceProcessor
JDK-8273179	Update nroff pages in JDK 18 before RC
JDK-8273176	handle latest VS2019 in abstract_vm_version
JDK-8273175	Add @since tags to the DocTree.Kind enum constants
JDK-8273169	java/util/regex/NegativeArraySize.java failed after JDK-8271302
JDK-8273168	Remove superfluous use of boxing in java.desktop
JDK-8273165	GraphKit::combine_exception_states fails with "matching stack sizes" assert
JDK-8273162	AbstractSplittableWithBrineGenerator does not create a random salt
JDK-8273157	Add convenience methods to Messenger
JDK-8273154	Provide a JavadocTester method for non-overlapping, unordered output matching
JDK-8273153	Consolidate file_exists into os:file_exists
JDK-8273152	Refactor CDS FileMapHeader loading code
JDK-8273147	Update and restructure TestGCLogMessages log message list
JDK-8273144	Remove unused top level "Sample Collection Set Candidates" logging
JDK-8273142	Remove dependancy of TestHttpServer, HttpTransaction, HttpCallback from open/test/jdk/sun/net/www/protocol/http/ tests
JDK-8273140	Replace usages of Enum.class.getEnumConstants() with Enum.values() where possible
JDK-8273135	java/awt/color/ICC_ColorSpace/MTTransformReplacedProfile.java crashes in liblcms.dylib with NULLSeek+0x7
JDK-8273112	-Xloggc:<filename> should override -verbose:gc
JDK-8273111	Default timezone should return zone ID if /etc/localtime is valid but not canonicalization on linux
JDK-8273109	runtime/cds/appcds/loaderConstraints/DynamicLoaderConstraintsTest times out

OpenJDK Patch ID	Synopsis
JDK-8273108	RunThese24H crashes with SEGV in markWord::displaced_mark_helper() after JDK-8268276
JDK-8273107	RunThese24H times out with "java.lang.management.ThreadInfo.getLockName()" is null
JDK-8273104	Refactoring option parser for UL
JDK-8273102	Delete deprecated for removal the empty finalize() in java.desktop module
JDK-8273100	Improve AbstractStringBuilder.append(String) when using CompactStrings
JDK-8273098	Unnecessary Vector usage in java.naming
JDK-8273095	vmTestbase/vm/mlvm/anonloader/stress/oome/heap/Test.java fails with "wrong OOME"
JDK-8273092	Sort classlist in JDK image
JDK-8273091	Doc of [Strict]Math.floorDiv(long,int) erroneously documents int in @return tag
JDK-8273072	Avoid using += in configure
JDK-8273062	Generation::refs_discovery_is_xxx functions are unused
JDK-8273059	Redundant Math.min call in Http2ClientImpl#getConnectionWindowSize
JDK-8273056	java.util.random does not correctly sample exponential or Gaussian distributions
JDK-8273047	test jfr/api/consumer/TestRecordedFrame.java timing out
JDK-8273045	Fix misc javadoc bugs in the java.security and javax.net.ssl code
JDK-8273043	[TEST_BUG] Automate NimbusJTreeSelTextColor.java
JDK-8273040	Turning off JpAllowDowngrades (or Upgrades)
JDK-8273039	JShell crashes when naming variable or method "abstract" or "strictfp"
JDK-8273038	ChannelInputStream.transferTo() uses FileChannel.transferTo(FileChannel)
JDK-8273034	Make javadoc navigation collapsible on small displays

OpenJDK Patch ID	Synopsis
JDK-8273033	SerialGC: remove obsolete comments
JDK-8273026	Slow LoginContext.login() on multi threading application
JDK-8273021	C2: Improve Add and Xor ideal optimizations
JDK-8273020	LibraryCallKit::sharpen_unsafe_type does not handle narrow oop array
JDK-8273000	Remove WeakReference-based class initialisation barrier implementation
JDK-8272992	Replace usages of Collections.sort with List.sort call in jdk.* modules
JDK-8272985	Reference discovery is confused about atomicity and degree of parallelism
JDK-8272983	G1 Add marking details to eager reclaim logging
JDK-8272975	ParallelGC: add documentation to heap memory layout
JDK-8272973	Incorrect compile command used by TestIllegalArrayCopyBeforeInfiniteLoop
JDK-8272970	Parallelize runtime/InvocationTests/
JDK-8272968	AArch64: Remove redundant matching rules for commutative ops
JDK-8272964	java/nio/file/Files/InterruptCopy.java fails with java.lang.RuntimeException: Copy was not interrupted
JDK-8272963	Update the java manpage markdown source
JDK-8272945	Use snippets in java.compiler documentation
JDK-8272944	Use snippets in jdk.javadoc documentation
JDK-8272916	Copyright year was modified unintentionally in jlink.properties and ImagePluginStack.java
JDK-8272915	(doc) package-info typo in extLink
JDK-8272914	Create hotspot:tier2 and hotspot:tier3 test groups
JDK-8272908	Missing coverage for certain classes in com.sun.org.apache.xml.internal.security
JDK-8272905	Consolidate discovered lists processing

OpenJDK Patch ID	Synopsis
JDK-8272903	Missing license header in ArenaAllocator.java
JDK-8272884	Make VoidClosure::do_void pure virtual
JDK-8272878	JEP 381 cleanup: Remove unused Solaris code in sun.font.TrueTypeGlyphMapper
JDK-8272873	C2: Inlining should not depend on absolute call site counts
JDK-8272867	JFR: ManagementSupport.removeBefore() lost coverage
JDK-8272866	java.util.random package summary contains incorrect mixing function in table
JDK-8272863	Replace usages of Collections.sort with List.sort call in public java modules
JDK-8272861	Add a micro benchmark for vector api
JDK-8272859	Javadoc external links should only have feature version number in URL
JDK-8272856	DoubleFlagWithIntegerValue uses G1GC-only flag
JDK-8272854	split runtime/CommandLine/PrintTouchedMethods.java test
JDK-8272850	Drop zapping values in the Zap* option descriptions
JDK-8272846	Move some runtime/Metaspace/elastic/ tests out of tier1
JDK-8272838	Move CriticalJNI tests out of tier1
JDK-8272836	Limit run time for java/lang/invoke/LFCaching tests
JDK-8272815	jpackage --type rpm produces an error: Invalid or unsupported type: [null]
JDK-8272811	Document the effects of building with _GNU_SOURCE in os_posix.hpp
JDK-8272809	JFR thread sampler SI_KERNEL SEGV in metaspace::VirtualSpaceList::contains
JDK-8272806	[macOS] "Apple AWT Internal Exception" when input method is changed
JDK-8272805	Avoid looking up standard charsets
JDK-8272797	Mutex with rank safepoint_check_never imply allow_vm_block
JDK-8272788	Nonleaf ranked locks should not be safepoint_check_never

OpenJDK Patch ID	Synopsis
JDK-8272783	Epsilon: Refactor tests to improve performance
JDK-8272778	Consolidate is_instance and is_instance_inlined in java_lang_String
JDK-8272776	NullPointerException not reported
JDK-8272773	Configurable card table card size
JDK-8272771	frame::pd_ps() is not implemented on any platform
JDK-8272759	(fc) java/nio/channels/FileChannel/Transfer2GPlus.java failed in timeout
JDK-8272756	Remove unnecessary explicit initialization of volatile variables in java.desktop
JDK-8272739	Misformatted error message in EventHandlerCreator
JDK-8272736	[JVMCI] Add API for reading and writing JVMCI thread locals
JDK-8272728	javac ignores any -J option in @argfiles silently
JDK-8272725	G1: add documentation on needs_remset_update_t vs bool
JDK-8272723	Don't use Access API to access primitive fields
JDK-8272720	Fix the implementation of loop unrolling heuristic with LoopPercentProfileLimit
JDK-8272708	[Test]: Cleanup: test/jdk/security/infra/java/security/cert/CertPathValidator/certification/BypassCA.java no longer needs ocsEnabled
JDK-8272703	StressSeed should be set via FLAG_SET_ERGO
JDK-8272700	[macos] Build failure with Xcode 13.0 after JDK-8264848
JDK-8272698	LoadNode::pin is unused
JDK-8272674	Logging missing keytab file in Krb5LoginModule
JDK-8272667	substandard error messages from the docs build
JDK-8272654	Mark word accesses should not use Access API
JDK-8272651	G1 heap region info print order changed by JDK-8269914
JDK-8272639	jpackaged applications using microphone on mac

OpenJDK Patch ID	Synopsis
JDK-8272626	Avoid C-style array declarations in java.*
JDK-8272618	Unnecessary Attr.visitIdent.noOuterThisPath
JDK-8272616	Strange code in java.text.DecimalFormat#applyPattern
JDK-8272614	Unused parameters in MethodHandleNatives linking methods
JDK-8272609	Add string deduplication support to SerialGC
JDK-8272608	java_lang_System::allow_security_manager() doesn't set its initialization flag
JDK-8272602	[macOS] not all KEY_PRESSED events sent when control modifier is used
JDK-8272600	(test) Use native "sleep" in Basic.java
JDK-8272586	emit abstract machine code in hs-err logs
JDK-8272581	sun/security/pkcs11/Provider/MultipleLogins.sh fails after JDK-8266182
JDK-8272579	G1: remove unnecessary null check for G1ParScanThreadStateSet::_states slots
JDK-8272576	G1: Use more accurate integer type for collection set length
JDK-8272574	C2: assert(false) failed: Bad graph detected in build_loop_late
JDK-8272573	Redundant unique_concrete_method_4 dependencies
JDK-8272570	C2: crash in PhaseCFG::global_code_motion
JDK-8272567	[IR Framework] Make AbstractInfo.getRandom() static
JDK-8272564	Incorrect attribution of method invocations of Object methods on interfaces
JDK-8272563	assert(is_double_stack() && !is_virtual()) failed: type check
JDK-8272562	C2: assert(false) failed: Bad graph detected in build_loop_late
JDK-8272558	IR Test Framework README misses some flags
JDK-8272553	several hotspot runtime/CommandLine tests don't check exit code
JDK-8272552	mark hotspot runtime/cds tests which ignore external VM flags
JDK-8272551	mark hotspot runtime/modules tests which ignore external VM flags

OpenJDK Patch ID	Synopsis
JDK-8272541	Incorrect overflow test in Toom-Cook branch of BigInteger multiplication
JDK-8272526	Cleanup ThreadStateTransition class
JDK-8272521	Remove unused PSPromotionManager::_claimed_stack_breadth
JDK-8272520	Inline GenericTaskQueue::initialize() to the constructor
JDK-8272515	JFR: Names should only be valid Java identifiers
JDK-8272491	Problem list javax/swing/JFrame/NSTexturedJFrame/NSTexturedJFrame.java on macos
JDK-8272481	[macos] javax/swing/JFrame/NSTexturedJFrame/NSTexturedJFrame.java fails
JDK-8272480	Remove Mutex::access rank
JDK-8272473	Parsing epoch seconds at a DST transition with a non-UTC parser is wrong
JDK-8272472	StackGuardPages test doesn't build with glibc 2.34
JDK-8272461	G1: remove empty declaration of cleanup_after_scan_heap_roots
JDK-8272459	ProblemList compiler/codecache/TestStressCodeBuffers.java on aarch64
JDK-8272447	Remove 'native' ranked Mutex
JDK-8272446	C1: Raw version of UnsafeGet generates load barriers
JDK-8272439	G1: add documentation to G1CardSetInlinePtr
JDK-8272417	ZGC: fastdebug build crashes when printing ClassLoaderData
JDK-8272413	Incorrect num of element count calculation for vector cast
JDK-8272398	Update DockerTestUtils.buildJdkDockerImage()
JDK-8272396	mismatching debug output streams
JDK-8272395	Bad HTML in JVMTI man page
JDK-8272392	Lanai: SwingSet2. Black background on expanding tree node

OpenJDK Patch ID	Synopsis
JDK-8272391	Undeleted debug information
JDK-8272385	Enforce ECPrivateKey d value to be in the range [1, n-1] for SunEC provider
JDK-8272377	assert preconditions that are ensured when created in add_final_edges
JDK-8272375	Improve phrasing of synthesized descriptions in JavaFX docs
JDK-8272374	doclint should report missing "body" comments
JDK-8272373	Example JBS issue
JDK-8272369	java/io/File/GetXSpace.java failed with "RuntimeException: java.nio.file.NoSuchFileException: /run/user/0"
JDK-8272358	Some tests may fail when executed with other locales than the US
JDK-8272348	Update CDS tests in anticipation of JDK-8270489
JDK-8272347	ObjectMethods::bootstrap should specify NPE if any argument except lookup is null
JDK-8272345	macos doesn't check <code>os::set_boot_path()</code> result
JDK-8272343	Remove MetaspaceClosure::FLAG_MASK
JDK-8272342	[TEST_BUG] java/awt/print/PrinterJob/PageDialogMarginTest.java catches all exceptions
JDK-8272335	runtime/cds/appcds/MoveJDKTest.java doesn't check exit codes
JDK-8272334	com.sun.net.httpserver.HttpExchange: Improve API doc of getRequestHeaders
JDK-8272332	--with-harfbuzz=system doesn't add -lharfbuzz after JDK-8255790
JDK-8272330	C2: Cleanup profile counter scaling
JDK-8272328	java.library.path is not set properly by Windows jpackage app launcher
JDK-8272327	Shenandoah: Avoid enqueueing duplicate string candidates
JDK-8272326	java/util/Random/RandomTestMoments.java had two Gaussian fails
JDK-8272318	Improve performance of HeapDumpAllTest
JDK-8272315	Improve assert_different_registers

OpenJDK Patch ID	Synopsis
JDK-8272310	AArch64: Add missing changes for shared vector helper methods in m4 files
JDK-8272305	several hotspot runtime/modules don't check exit codes
JDK-8272297	FileInputStream should override transferTo() for better performance
JDK-8272291	mark hotspot runtime/logging tests which ignore external VM flags
JDK-8272235	G1: update outdated code root fixup
JDK-8272234	Pass originating elements from Filer to JavaFileManager
JDK-8272232	javax/swing/JTable/4275046/bug4275046.java failed with "Expected value in the cell: 'rededited' but found 'redEDITED'."
JDK-8272231	G1: Refactor G1CardSet::get_card_set to return G1CardSetHashTableValue*
JDK-8272229	BasicSplitPaneDivider:oneTouchExpandableChanged() returns leftButton and rightButton as null with GTKLookAndFeel
JDK-8272228	G1: G1CardSetInlinePtr Fix tautological assertion
JDK-8272216	G1: replace G1ParScanThreadState::_dest with a constant
JDK-8272196	Remove unused class ParStrongRootsScope
JDK-8272170	Missing memory barrier when checking active state for regions
JDK-8272169	runtime/logging/LoaderConstraintsTest.java doesn't build test.Empty
JDK-8272168	some hotspot runtime/logging tests don't check exit code
JDK-8272167	AbsPathsInImage.java should skip *.dSYM directories
JDK-8272166	Remove java/awt/print/PrinterJob/InitToBlack.html
JDK-8272165	Consolidate mark_must_be_preserved() variants
JDK-8272164	DumpAllocStats shouldn't subclass from ResourceObj
JDK-8272163	Add -version option to keytool and jarsigner
JDK-8272162	S4U2Self ticket without forwardable flag
JDK-8272161	Make evacuation failure data structures local to collection

OpenJDK Patch ID	Synopsis
JDK-8272158	SoftReference related bugs under memory pressure
JDK-8272148	JDesktopPane:getComponentCount() returns one extra than expected with GTKLookAndFeel
JDK-8272146	Disable Fibonacci test on memory constrained systems
JDK-8272138	ZGC: Adopt relaxed ordering for self-healing
JDK-8272135	jshell: Method cannot use its overloaded version
JDK-8272131	PhaseMacroExpand::generate_slow_arraycopy crash when clone null CallProjections.fallthrough_ioproj
JDK-8272124	Cgroup v1 initialization causes NullPointerException when cgroup path contains colon
JDK-8272123	Problem list 4 jtreg tests which regularly fail on macos-aarch64
JDK-8272120	Avoid looking for standard encodings in "java." modules
JDK-8272116	Update PerfDisableSharedMem with FLAG_SET_ERGO in PerfMemory::create_memory_region
JDK-8272114	Unused _last_state in osThread_windows
JDK-8272113	Build compare script fails with differences in classlist
JDK-8272112	Arena code simplifications
JDK-8272107	Removal of Unsafe::defineAnonymousClass left a dangling C++ class
JDK-8272099	mark hotspot runtime/Monitor tests which ignore external VM flags
JDK-8272095	ProblemList java/nio/channels/FileChannel/Transfer2GPlus.java on linux-aarch64
JDK-8272093	Extract evacuation failure injection from G1CollectedHeap
JDK-8272070	G1: Simplify age calculation after JDK-8271579
JDK-8272067	Initial nroff manpage generation for JDK 18
JDK-8272065	jcmm cannot rely on the old core reflection implementation which will be changed after JEP 416

OpenJDK Patch ID	Synopsis
JDK-8272064	test/jdk/jdk/jfr/api/consumer/TestHiddenMethod.java needs update for JEP 416
JDK-8272058	25 Null pointer dereference defect groups in 4 files
JDK-8272050	typo in MachSpillCopyNode::implementation after JDK-8131362
JDK-8272047	java/nio/channels/FileChannel/Transfer2GPlus.java failed with Unexpected transfer size: 2147418112
JDK-8272042	java.util.ImmutableCollections\$Map1 and MapN should not be @ValueBased
JDK-8271956	AArch64: C1 build failed after JDK-8270947
JDK-8271954	C2: assert(false) failed: Bad graph detected in build_loop_late
JDK-8271953	fix mis-merge in JDK-8271878
JDK-8271951	Consolidate preserved marks overflow stack in SerialGC
JDK-8271949	dumppath in -XX:FlightRecorderOptions does not affect
JDK-8271946	Cleanup leftovers in Space and subclasses
JDK-8271939	Clean up primitive raw accessors in oopDesc
JDK-8271931	Make AbortVMOnVMOperationTimeout more resilient to OS scheduling
JDK-8271930	Simplify end_card calculation in G1BlockOffsetTablePart::verify
JDK-8271928	ErroneousTree with start position -1
JDK-8271925	ZGC: Arraycopy stub passes invalid oop to load barrier
JDK-8271923	[macos] the text color on the selected disabled tabbed pane button remains white making text unreadable
JDK-8271911	improve support of replay compilations for methods which use JSR292
JDK-8271905	mark hotspot runtime/Metaspace tests which ignore external VM flags
JDK-8271904	mark hotspot runtime/ClassFile tests which ignore external VM flags
JDK-8271898	disable os.release_multi_mappings_vm on macOS-X64
JDK-8271896	Remove unnecessary top address checks in BOT

OpenJDK Patch ID	Synopsis
JDK-8271895	UnProblemList javax/swing/JComponent/7154030/bug7154030.java in JDK18
JDK-8271894	ProblemList javax/swing/JComponent/7154030/bug7154030.java in JDK17
JDK-8271893	mark hotspot runtime/PerfMemDestroy/PerfMemDestroy.java test as ignoring external VM flags
JDK-8271892	mark hotspot runtime/PrintStringTableStats/PrintStringTableStatsTest.java test as ignoring external VM flags
JDK-8271891	mark hotspot runtime/Safepoint tests which ignore external VM flags
JDK-8271890	mark hotspot runtime/Dictionary tests which ignore external VM flags
JDK-8271888	build error after JDK-8271599
JDK-8271887	mark hotspot runtime/CDSCompressedKPtrs tests which ignore external VM flags
JDK-8271886	mark hotspot runtime/InvocationTests tests which ignore external VM flags
JDK-8271884	G1CH::_expand_heap_after_alloc_failure is no longer needed
JDK-8271883	Math CopySign optimization for x86
JDK-8271880	Tighten condition for excluding regions from collecting cards with cross-references
JDK-8271878	UnProblemList jdk/jfr/event/gc/detailed/TestEvacuationFailedEvent.java in JDK18
JDK-8271877	ProblemList jdk/jfr/event/gc/detailed/TestEvacuationFailedEvent.java in JDK17
JDK-8271869	AArch64: build errors with GCC11 in frame::saved_oop_result
JDK-8271868	Warn user when using mac-sign option with unsigned app-image.
JDK-8271863	ProblemList serviceability/sa/TestJmapCore.java on linux-x64 with ZGC
JDK-8271862	C2 intrinsic for Reference.refersTo() is often not used

OpenJDK Patch ID	Synopsis
JDK-8271855	[TESTBUG] Wrong weakCompareAndSet assumption in UnsafeIntrinsicsTest
JDK-8271840	Add simple Integer.toString microbenchmarks
JDK-8271836	runtime/ErrorHandling/ClassPathEnvVar.java fails with release VMs
JDK-8271834	TestStringDeduplicationAgeThreshold intermittent failures on Shenandoah
JDK-8271829	mark hotspot runtime/Throwable tests which ignore external VM flags
JDK-8271828	mark hotspot runtime/classFileParserBug tests which ignore external VM flags
JDK-8271826	mark hotspot runtime/condy tests which ignore external VM flags
JDK-8271825	mark hotspot runtime/LoadClass tests which ignore external VM flags
JDK-8271824	mark hotspot runtime/CompressedOops tests which ignore external VM flags
JDK-8271821	mark hotspot runtime/MinimalVM tests which ignore external VM flags
JDK-8271820	Implementation of JEP 416: Reimplement Core Reflection with Method Handle
JDK-8271745	Correct block size for KW,KWP mode and use fixed IV for KWP mode for SunJCE
JDK-8271744	mark hotspot runtime/getSysPackage tests which ignore external VM flags
JDK-8271743	mark hotspot runtime/jni tests which ignore external VM flags
JDK-8271737	Only normalize the cached user.dir property once
JDK-8271732	Regression in StringBuilder.charAt bounds checking
JDK-8271726	JFR: should use equal() to check event fields in tests
JDK-8271722	[TESTBUG] gc/g1/TestMixedGCLiveThreshold.java can fail if G1 Full GC uses >1 workers
JDK-8271721	Split gc/g1/TestMixedGCLiveThreshold into separate tests

OpenJDK Patch ID	Synopsis
JDK-8271718	Crash when during color transformation the color profile is replaced
JDK-8271711	Remove WorkArounds.isSynthetic
JDK-8271627	Use local field access in favor of Class.getClassLoader0
JDK-8271624	Avoid unnecessary ThreadGroup.checkAccess calls when creating Threads
JDK-8271623	Omit enclosing instance fields from inner classes that don't use it
JDK-8271616	oddPart in MutableBigInteger::mutableModInverse contains info on final result
JDK-8271611	Use SecurityConstants.ACCESS_PERMISSION in MethodHandles
JDK-8271609	Misleading message for AbortVMOnVMOperationTimeoutDelay
JDK-8271605	Update JMH devkit to 1.32
JDK-8271603	Unnecessary Vector usage in java.desktop
JDK-8271602	Add Math.ceilDiv() family parallel to Math.floorDiv() family
JDK-8271601	Math.floorMod(int, int) and Math.floorMod(long, long) differ in their logic
JDK-8271600	C2: CheckCastPP which should closely follow Allocate is sunk of a loop
JDK-8271599	Javadoc of floorDiv() and floorMod() families is inaccurate in some places
JDK-8271589	Fatal error with variable shift count integer rotate operation.
JDK-8271588	JFR Recorder Thread crashed with SIGSEGV in write_klass
JDK-8271579	G1: Move copy before CAS in do_copy_to_survivor_space
JDK-8271569	Clean up the use of CDS constants and field offsets
JDK-8271567	AArch64: AES Galois CounterMode (GCM) interleaved implementation using vector instructions
JDK-8271566	DSA signature length value is not accurate in P11Signature

OpenJDK Patch ID	Synopsis
JDK-8271560	sun/security/ssl/DHKeyExchange/LegacyDHEKeyExchange.java still fails due to "An established connection was aborted by the software in your host machine"
JDK-8271515	Integration of JEP 417: Vector API (Third Incubator)
JDK-8271514	support JFR use of new ThreadsList::Iterator
JDK-8271513	support JavaThreadIteratorWithHandle replacement by new ThreadsList::Iterator
JDK-8271512	ProblemList serviceability/sa/sadebugd/DebugdConnectTest.java due to 8270326
JDK-8271507	ProblemList SA tests that are failing with ZGC due to JDK-8248912
JDK-8271506	Add ResourceHashtable support for deleting selected entries
JDK-8271490	[ppc] [s390]: Crash in JavaThread::pd_get_top_frame_for_profiling
JDK-8271489	(doc) Clarify Filter Factory example
JDK-8271471	[IR Framework] Rare occurrence of "<!-- safepoint while printing -" in PrintIdeal/PrintOptoAssembly can let tests fail
JDK-8271461	CompileCommand support for hidden class methods
JDK-8271459	C2: Missing NegativeArraySizeException when creating StringBuilder with negative capacity
JDK-8271456	Avoid looking up standard charsets in "java.desktop" module
JDK-8271447	java.nio.file.InvalidPathException: Malformed input or input contains unmappable characters
JDK-8271420	Extend CDS custom loader support to Windows platform
JDK-8271419	Refactor test code for modifying CDS archive contents
JDK-8271413	ProblemList 2 locale tests on macOS-x64
JDK-8271412	ProblemList javax/sound/midi/Sequencer/Looping.java
JDK-8271403	mark hotspot runtime/memory tests which ignore external VM flags
JDK-8271402	mark hotspot runtime/os tests which ignore external VM flags

OpenJDK Patch ID	Synopsis
JDK-8271396	Spelling errors
JDK-8271368	[BACKOUT] JDK-8266054 VectorAPI rotate operation optimization
JDK-8271366	[REDO] JDK-8266054 VectorAPI rotate operation optimization
JDK-8271356	Modify jdb to treat an empty command as a repeat of the previous command
JDK-8271353	PerfDataManager::destroy crashes in VM_Exit
JDK-8271352	Extend jcc erratum mitigation to additional processors
JDK-8271350	runtime/Safepoint tests use OutputAnalyzer::shouldMatch instead of shouldContain
JDK-8271348	Add stronger sanity check of thread state when polling for safepoint/handshakes
JDK-8271344	Windows product version issue
JDK-8271341	Opcode() != Op_If && Opcode() != Op_RangeCheck) outcnt() == 2 assert failure with Test7179138_1.java
JDK-8271340	Crash PhaseIdealLoop::clone_outer_loop
JDK-8271323	[TESTBUG] serviceability/sa/ClhsdbCDSCore.java fails with -XX:TieredStopAtLevel=1
JDK-8271315	Redo: Nimbus JTree renderer properties persist across L&F changes
JDK-8271308	(fc) FileChannel.transferTo() transfers no more than Integer.MAX_VALUE bytes in one call
JDK-8271303	jcmd VM.cds {static, dynamic}_dump should print more info
JDK-8271302	Regex Test Refresh
JDK-8271293	Monitor class should use ThreadBlockInVMPreprocess
JDK-8271287	jdk/jshell/CommandCompletionTest.java fails with "lists don't have the same size expected"
JDK-8271276	C2: Wrong JVM state used for receiver null check
JDK-8271272	C2: assert(!had_error) failed: bad dominance

OpenJDK Patch ID	Synopsis
JDK-8271258	@param with non-ascii variable names produces incorrect results
JDK-8271254	javac generates unreachable code when using empty semicolon statement
JDK-8271251	JavaThread::java_suspend() fails with "fatal error: Illegal threadstate encountered: 6"
JDK-8271242	Add Arena regression tests
JDK-8271227	Missing <code>{@code }</code> in com.sun.source.*
JDK-8271225	Add floorDivExact() method to java.lang.[Strict]Math
JDK-8271224	runtime/EnclosingMethodAttr/EnclMethodAttr.java doesn't check exit code
JDK-8271223	two runtime/ClassFile tests don't check exit code
JDK-8271222	two runtime/Monitor tests don't check exit code
JDK-8271221	[BACKOUT] JDK-8271063 Print injected fields for InstanceKlass
JDK-8271219	[REDO] JDK-8271063 Print injected fields for InstanceKlass
JDK-8271217	Fix race between G1PeriodicGCTask checks and GC request
JDK-8271215	Fix data races in G1PeriodicGCTask
JDK-8271209	Fix doc comment typos in JavadocTokenizer
JDK-8271208	Typo in ModuleDescriptor.read javadoc
JDK-8271203	C2: assert(iff☐Opcode() == Op_If iff☐Opcode() == Op_CountedLoopEnd iff☐Opcode() == Op_RangeCheck) failed: Check this code when new subtype is added
JDK-8271202	C1: assert(false) failed: live_in set of first block must be empty
JDK-8271199	Mutual TLS handshake fails signing client certificate with custom sensitive PKCS11 key
JDK-8271194	test/jdk/java/nio/file/spi/SetDefaultProvider.java @bug tag misleading
JDK-8271189	runtime/handshake/HandshakeTimeoutTest.java can be run in driver mode

OpenJDK Patch ID	Synopsis
JDK-8271186	Add UL option to replace newline char
JDK-8271175	runtime/jni/FindClassUtf8/FindClassUtf8.java doesn't have to be run in othervm
JDK-8271174	runtime/ClassFile/UnsupportedClassFileVersion.java can be run in driver mode
JDK-8271173	serviceability/jvmti/GetObjectSizeClass.java doesn't check exit code
JDK-8271170	Add unit test for what jpackage app launcher puts in the environment
JDK-8271169	runtime/Safepoint/TestAbortVMOOnSafepointTimeout.java can be run in driver mode
JDK-8271166	ProblemList applications/jcstress/copy.java on Linux-X64
JDK-8271165	ProblemList serviceability/dcmd/gc/HeapDumpAllTest.java on X64
JDK-8271163	G1 uses wrong degree of MT processing since JDK-8270169
JDK-8271162	runtime/StackTrace/LargeClassTest.java can be run in driver mode
JDK-8271161	[BACKOUT] JDK-8249634 doclint should report implicit constructor as missing javadoc comments
JDK-8271160	runtime/jni/checked/TestCheckedJniExceptionCheck.java doesn't set -Djava.library.path
JDK-8271159	[REDO] JDK-8249634 doclint should report implicit constructor as missing javadoc comments
JDK-8271158	runtime/handshake/HandshakeTimeoutTest.java test doesn't check exit code
JDK-8271155	Wrong path separator in env variable
JDK-8271151	Backout JDK-8271150 from jdk/jdk
JDK-8271150	Remove EA from JDK 17 version string starting with Initial RC promotion on Aug 5, 2021(B34)
JDK-8271149	remove unreferenced functions from EncodingSupport_md.c
JDK-8271147	java/nio/file/Path.java javadoc typo

OpenJDK Patch ID	Synopsis
JDK-8271142	package help is not displayed for missing X11/extensions/Xrandr.h
JDK-8271140	Fix native frame handling in vframeStream::asJavaVFrame()
JDK-8271128	InlineIntrinsics support for 32-bit ARM
JDK-8271126	ProblemList runtime/InvocationTests/invokevirtualTests.java
JDK-8271121	ZGC: stack overflow (segv) when -Xlog:gc+start=debug
JDK-8271118	C2: StressGCM should have higher priority than frequency-based policy
JDK-8271094	runtime/duplAttributes/DuplAttributesTest.java doesn't check exit code
JDK-8271093	remove deadcode from runtime/Thread/TestThreadDumpSMRInfo.java test
JDK-8271073	Improve testing with VM option VerifyArchivedFields
JDK-8271071	accessibility of a table on macOS lacks cell navigation
JDK-8271070	ProblemList 3 client tests on Linux-X64
JDK-8271064	ZGC several jvm08 perf regressions after JDK-8268372
JDK-8271063	Print injected fields for InstanceKlass
JDK-8271060	Merge G1CollectedHeap::determine_start_concurrent_mark_gc and G1Policy::decide_on_conc_mark_initiation
JDK-8271056	C2: "assert(no_dead_loop) failed: dead loop detected" due to cmoving identity
JDK-8271043	Rename G1CollectedHeap::g1mm()
JDK-8271015	Split cds/SharedBaseAddress.java test into smaller parts
JDK-8271014	Refactor HeapShared::is_archived_object()
JDK-8271003	hs_err improvement: handle CLASSPATH env setting longer than O_BUFLLEN
JDK-8270993	Missing forward declaration of ZeroFrame
JDK-8270991	G1 Full GC always performs heap verification after JDK-8269295
JDK-8270961	[TESTBUG] Move GotWrongOOMException into vm.share.gc package

OpenJDK Patch ID	Synopsis
JDK-8270949	Make dynamically generated classes with the class file version of the current release
JDK-8270947	AArch64: C1: use zero_words to initialize all objects
JDK-8270946	X509CertImpl.getFingerprint should not return the empty String
JDK-8270939	ProblemList java/lang/invoke/RicochetTest.java until JDK-8251969 is fixed
JDK-8270925	replay dump using C1CrashAt does not include inlining data
JDK-8270916	Update java.lang.annotation.Target for changes in JLS 9.6.4.1
JDK-8270912	Clean up G1CollectedHeap::process_discovered_references()
JDK-8270908	TestParallelRefProc fails on single core machines
JDK-8270903	sun.net.httpserver.HttpConnection: Improve toString
JDK-8270901	Typo PHASE_CPP in CompilerPhaseType
JDK-8270894	Use acquire semantics in ObjectSynchronizer::read_stable_mark()
JDK-8270893	IndexOutOfBoundsException while reading large TIFF file
JDK-8270886	Crash in PhaseIdealLoop::verify_strip_mined_scheduling
JDK-8270875	Deprecate the FilterSpuriousWakeup flag so it can be removed
JDK-8270874	JFrame paint artifacts when dragged from standard monitor to HiDPI monitor
JDK-8270873	JFR: Catch DirectoryIteratorException when scanning for .jfr files
JDK-8270872	Final nroff manpage update for JDK 17
JDK-8270870	Simplify G1ServiceThread
JDK-8270869	G1ServiceThread may not terminate
JDK-8270866	NPE in DocTreePath.getTreePath()
JDK-8270862	Fix problem list entries for 32-bit
JDK-8270859	Post JEP 411 refactoring: client libs with maximum covering > 10K

OpenJDK Patch ID	Synopsis
JDK-8270858	Problem List java/awt/Window/MultiWindowApp/MultiWindowAppTest.java on Linux
JDK-8270848	Redundant unsafe opmask register allocation in some instruction patterns.
JDK-8270842	G1: Only young regions need to redirty outside references in remset.
JDK-8270837	fix typos in test TestSigParse.java
JDK-8270835	regression after JDK-8261006
JDK-8270832	Aarch64: Update algorithm annotations for MacroAssembler::fill_words
JDK-8270820	remove unused stiFileTableIndex from SDE.c
JDK-8270814	ProblemList the failing serviceability/jvmti/HeapMonitor/MyPackage/HeapMonitor* tests
JDK-8270803	Reduce CDS API verbosity
JDK-8270801	Print VM arguments with java -Xlog:arguments
JDK-8270797	ShortECDSA.java test is not complete
JDK-8270794	Avoid loading Klass* twice in TypeArrayKlass::oop_size()
JDK-8270609	[TESTBUG] java/awt/print/Dialog/DialogCopies.java does not show instruction
JDK-8270556	Exclude security/infra/java/security/cert/CertPathValidator/certification/LetsEncryptCA
JDK-8270553	Tests should not use (real, in-use, routable) 1.1.1.1 as dummy IP value
JDK-8270547	java.util.Random contains unnecessary @SuppressWarnings("exports")
JDK-8270540	G1: Refactor range checking in G1BlockOffsetTablePart::block_start* to asserts
JDK-8270533	AArch64: size_fits_all_mem_uses should return false if its output is a CAS
JDK-8270519	Move several vector helper methods to shared header file
JDK-8270517	Add Zero support for LoongArch

OpenJDK Patch ID	Synopsis
JDK-8270491	SEGV at read_string_field(oopDesc*, char const*, JavaThread*)+0x54
JDK-8270490	Charset.forName() taking fallback default value
JDK-8270489	Support archived heap objects in EpsilonGC
JDK-8270475	Remove unused G1STWDrainQueueClosure
JDK-8270468	TestRangeCheckEliminated fails because methods are not compiled
JDK-8270461	ZGC: Invalid oop passed to ZBarrierSetRuntime::load_barrier_on_oop_array
JDK-8270459	Conflict inlining decisions by C1/C2 with the same CompileCommand
JDK-8270455	Remove unused JFR tracer related code in G1CollectedHeap
JDK-8270454	G1: Simplify region index comparison
JDK-8270453	[JVMCI] remove duplicates in vmStructs_jvmci.cpp
JDK-8270447	[IR Framework] Add missing compilation level restriction when using FlipC1C2 stress option
JDK-8270438	"Cores to use" output in configure is misleading
JDK-8270435	UT: MonitorUsedDeflationThresholdTest failed: did not find too_many string in output
JDK-8270434	JDI+UT: Unexpected event in JDI tests
JDK-8270422	Test build/AbsPathsInImage.java fails after JDK-8259848
JDK-8270380	Change the default value of the java.security.manager system property to disallow
JDK-8270366	C2: Add associative rule to add/sub node
JDK-8270347	ZGC: Adopt release-acquire ordering for forwarding table access
JDK-8270344	Session resumption errors
JDK-8270341	Test serviceability/dcmd/gc/HeapDumpAllTest.java timed-out
JDK-8270340	Base64 decodeBlock intrinsic for Power64 needs cleanup
JDK-8270336	[TESTBUG] Fix initialization in NonbranchyTree

OpenJDK Patch ID	Synopsis
JDK-8270333	-XX:+VerifyStringTableAtExit should not do linear search
JDK-8270321	Startup regressions in 18-b5 caused by JDK-8266310
JDK-8270320	JDK-8270110 committed invalid copyright headers
JDK-8270317	Large Allocation in CipherSuite
JDK-8270312	Error: Not a test or directory containing tests: java/awt/print/PrinterJob/XparColor.java
JDK-8270308	Arena::Amalloc may return misaligned address on 32-bit
JDK-8270307	C2: assert(false) failed: bad AD file after JDK-8267687
JDK-8270290	NTLM authentication fails if HEAD request is used
JDK-8270286	com.sun.net.httpserver.spi.HttpServerProvider: remove use of deprecated API
JDK-8270282	Semantically rename reference processing subphases
JDK-8270280	security/infra/java/security/cert/CertPathValidator/certification/LetsEncryptCA.java OCSP response error
JDK-8270217	Fix Arena::Amalloc to check for overflow better
JDK-8270216	[macOS] Update named used for Java run loop mode
JDK-8270203	Missing build dependency between jdk.jfr-gendata and buildtools-hotspot
JDK-8270195	Add missing links between methods of JavaFX properties
JDK-8270187	G1: Remove ConcGCThreads constraint
JDK-8270184	[TESTBUG] Add coverage for jvmci ResolvedJavaType.toJavaName() for lambdas
JDK-8270179	Rename Amalloc_4
JDK-8270171	Shenandoah: Cleanup TestStringDedup and TestStringDedupStress tests
JDK-8270169	G1: Incorrect reference discovery MT degree in concurrent marking
JDK-8270160	Remove redundant bounds check from AbstractStringBuilder.charAt()

OpenJDK Patch ID	Synopsis
JDK-8270156	Add "randomness" and "stress" keys to JTreg tests which use StressGCM, StressLCM and/or StressIGVN
JDK-8270155	ARM32: Improve register dump in hs_err
JDK-8270151	IncompatibleClassChangeError on empty pattern switch statement case
JDK-8270147	Increase stride size allowing unrolling more loops
JDK-8270139	jshell InternalError crash for import of @Repeatable followed by unresolved ref
JDK-8270137	Kerberos Credential Retrieval from Cache not Working in Cross-Realm Setup
JDK-8270117	Broken jtreg link in "Building the JDK" page
JDK-8270116	Expand ButtonGroupLayoutTraversalTest.java to run in all LaFs, including Aqua on macOS
JDK-8270110	Shenandoah: Add test for JDK-8269661
JDK-8270109	ProblemList 4 SA tests on macOS-aarch64
JDK-8270108	Update JCov version to 3.0.9
JDK-8270100	Fix some inaccurate GC logging
JDK-8270098	ZGC: ZBarrierSetC2::clone_at_expansion fails with "Guard against surprises" assert
JDK-8270096	Shenandoah: Optimize gc/shenandoah/TestRefprocSanity.java for interpreter mode
JDK-8270094	Shenandoah: Provide human-readable labels for test configurations
JDK-8270086	ARM32-softfp: Do not load CONSTANT_double using the condy helper methods in the interpreter
JDK-8270085	Suspend during block transition may deadlock if lock held
JDK-8270083	-Wnonnull errors happen with GCC 11.1.1
JDK-8270082	Remove unnecessary gc_timer null check in ReferenceProcessorPhaseTimes

OpenJDK Patch ID	Synopsis
JDK-8270075	SplittableRandom extends AbstractSplittableGenerator
JDK-8270064	Problem list tools/jdeprscan/tests/jdk/jdeprscan/TestRelease.java due to JDK-8270060
JDK-8270061	Change parameter order of ResourceHashtable
JDK-8270060	(jdeprscan) tools/jdeprscan/tests/jdk/jdeprscan/TestRelease.java failed with class file for jdk.internal.util.random.RandomSupport not found
JDK-8270059	Remove KVHashtable
JDK-8270058	Use Objects.check{Index,FromIndexSize} for java.desktop
JDK-8270056	Generated lambda class can not access protected static method of target class
JDK-8270041	Consolidate oopDesc::cas_forward_to() and oopDesc::forward_to_atomic()
JDK-8270027	ProblemList jdk/jfr/event/oldobject/TestObjectSize.java on macOS-x64
JDK-8270025	DynamicCallSiteDesc::withArgs doesn't throw NPE
JDK-8270021	Incorrect log decorators in gc/g1/plab/TestPLABEvacuationFailure.java
JDK-8270018	Add scoped object for g1 young gc JFR notification
JDK-8270014	Add scoped objects for g1 young gc verification and young gc internal timing
JDK-8270009	Factor out and shuffle methods in G1CollectedHeap::do_collection_pause_at_safepoint_helper
JDK-8270006	Switches with 'case null:' should be exhaustive
JDK-8269993	[Test]: java/net/httpclient/DigestEchoClientSSL.java contains redundant @run tags
JDK-8269986	Remove +3 from Symbol::identity_hash()
JDK-8269984	[macos] JTabbedPane title looks like disabled
JDK-8269962	SA has unused Hashtable, Dictionary classes

OpenJDK Patch ID	Synopsis
JDK-8269955	ProblemList compiler/vectorapi/VectorCastShape[64 128]Test.java tests on x86
JDK-8269952	compiler/vectorapi/VectorCastShape*Test.java tests failed on avx2 machines
JDK-8269951	[macos] Focus not painted in JButton when setBorderPainted(false) is invoked
JDK-8269935	ProblemList runtime/jni/checked/TestPrimitiveArrayCriticalWithBadParam.java on windows
JDK-8269934	RunThese24H.java failed with EXCEPTION_ACCESS_VIOLATION in java_lang_Thread::get_thread_status
JDK-8269933	test/jdk/javax/net/ssl/compatibility/JdkInfo incorrect verification of protocol and cipher support
JDK-8269929	(test) Add diagnostic info to ProceessBuilder/Basic.java for unexpected output
JDK-8269924	Shenandoah: Introduce weak/strong marking asserts
JDK-8269923	runtime/jni/checked/TestPrimitiveArrayCriticalWithBadParam.java failed with "FATAL ERROR in native method: Primitive type array expected but not received for JNI array operation"
JDK-8269917	Insert missing commas in copyrights in java.net
JDK-8269914	Factor out heap printing for G1 young and full gc
JDK-8269909	getStack method in hprof.parser.Reader should use try-with-resource
JDK-8269908	Move MemoryService::track_memory_usage call into G1MonitoringScope
JDK-8269897	Shenandoah: Resolve UNKNOWN access strength, where possible
JDK-8269886	Inaccurate error message for compressed hprof test
JDK-8269882	stack-use-after-scope in NewObjectA
JDK-8269879	[PPC64] C2: Math rint intrinsic uses wrong rounding mode
JDK-8269878	Handle redundant reg-2-reg moves in X86 backend

OpenJDK Patch ID	Synopsis
JDK-8269873	serviceability/sa/Clhsdb tests are using a C2 specific VMStruct field
JDK-8269865	Async UL needs to handle ERANGE on exceeding SEM_VALUE_MAX
JDK-8269853	Prefetch::read should accept pointer to const
JDK-8269851	OperatingSystemMXBean getProcessCpuLoad reports incorrect process cpu usage in containers
JDK-8269850	Most JDK releases report macOS version 12 as 10.16 instead of 12.0
JDK-8269849	vmTestbase/gc/gctests/PhantomReference/phantom002/TestDescription.java failed with "OutOfMemoryError: Java heap space: failed reallocation of scalar replaced objects"
JDK-8269840	Update Platform.isDefaultCDSArchiveSupported() to return true for aarch64 platforms
JDK-8269830	SA's vm object vtable matching code sometimes matches on incorrect type
JDK-8269828	corrections in some instruction patterns for KNL x86 platform
JDK-8269827	JMH tests for AES/GCM byte[] and bytebuffers
JDK-8269825	[TESTBUG] Missing testing for x86 KNL platforms
JDK-8269821	Remove is-queue-active check in inner loop of write_ref_array_pre_work
JDK-8269808	javac generates class with invalid stack map
JDK-8269803	G1: remove unnecessary NoRefDiscovery
JDK-8269802	javac fails to compile nested pattern matching switches
JDK-8269795	C2: Out of bounds array load floats above its range check in loop peeling resulting in SEGV
JDK-8269775	compiler/codegen/ClearArrayTest.java failed with "assert(false) failed: bad AD file"
JDK-8269774	doclint reports missing javadoc comments for JavaFX properties if the docs are on the property method

OpenJDK Patch ID	Synopsis
JDK-8269772	[macos-aarch64] test compilation failed with "SocketException: No buffer space available"
JDK-8269771	assert(tmp == _callprojs.fallthrough_catchproj) failed: allocation control projection
JDK-8269770	nsk tests should start IOPipe channel before launch debuggee - Debuggee.prepareDebuggee
JDK-8269768	JFR Terminology Refresh
JDK-8269761	idea.sh missing .exe suffix when invoking javac on WSL
JDK-8269760	idea.sh should not invoke cygpath directly
JDK-8269758	idea.sh doesn't work when there are multiple configurations available.
JDK-8269753	Misplaced caret in PatternSyntaxException's detail message
JDK-8269752	C2: assert(false) failed: Bad graph detected in build_loop_late
JDK-8269746	C2: assert(!lin_is_CFG()) failed: CFG Node with no controlling input?
JDK-8269745	[JVMCI] restore original qualified exports to Graal
JDK-8269743	test/hotspot/jtreg/vmTestbase/vm/mlvm/meth/stress/jni/nativeAndMH/Test.java crash with small heap (-Xmx50m)
JDK-8269738	AssertionError when combining pattern matching and function closure
JDK-8269725	AArch64: Add VectorMask query implementation for NEON
JDK-8269722	NPE in HtmlDocletWriter
JDK-8269706	HtmlDocletWriter.commentTagsToContent may use the wrong CommentHelper
JDK-8269704	Typo in j.t.Normalizer.normalize()
JDK-8269703	ProblemList vmTestbase/nsk/jvmti/scenarios/sampling/SP07/sp07t002/TestDescription.java on Windows-X64 with -Xcomp
JDK-8269700	source level for IntelliJ JDK project is set incorrectly

OpenJDK Patch ID	Synopsis
JDK-8269698	Specification for methods of <code>java.awt.im.InputContext</code> should mention that they do nothing
JDK-8269697	<code>JNI_GetPrimitiveArrayCritical()</code> should not accept object array
JDK-8269692	<code>sun.net.httpserver.ServerImpl::createContext</code> should throw <code>IAE</code>
JDK-8269691	ProblemList <code>sun/management/jdp/JdpDefaultsTest.java</code> on Linux-aarch64
JDK-8269689	Update <code>--release 17</code> symbol information for JDK 17 build 31
JDK-8269687	<code>pauth_aarch64.hpp</code> include name is incorrect
JDK-8269685	Optimize <code>HeapHprofBinWriter</code> implementation
JDK-8269678	Remove unimplemented and unused <code>os::bind_to_processor()</code>
JDK-8269672	C1: Remove unaligned move on all architectures
JDK-8269668	[aarch64] <code>java.library.path</code> not including <code>/usr/lib64</code>
JDK-8269665	Clean-up <code>toString()</code> methods of some primitive wrappers
JDK-8269661	<code>JNI_GetStringCritical</code> does not lock char array
JDK-8269656	The test <code>test/langtools/tools/javac/versions/Versions.java</code> has duplicate test cycles
JDK-8269652	Factor out the common code for creating system <code>j.l.Thread</code> objects
JDK-8269650	Optimize gc-locker in <code>[Get Release]StringCritical</code> for latin string
JDK-8269637	<code>javax/swing/JFileChooser/FileSystemView/SystemIconTest.java</code> fails on windows
JDK-8269636	Change <code>OutputStream</code> 's <code>print_raw()</code> and <code>print_raw_cr()</code> second parameter to <code>size_t</code> type
JDK-8269635	Stress test SEGV while emitting <code>OldObjectSample</code>
JDK-8269616	<code>serviceability/dcmd/framework/VMVersionTest.java</code> fails with Address already in use error
JDK-8269615	Fix for 8263640 broke Windows build

OpenJDK Patch ID	Synopsis
JDK-8269614	[s390] Interpreter checks wrong bit for slow path instance allocation
JDK-8269598	Regressions up to 5% on aarch64 seems due to JDK-8268858
JDK-8269596	Snapshot soft ref policy before marking/copying
JDK-8269594	assert(_handle_mark_nesting > 1) failed: memory leak: allocating handle outside HandleMark
JDK-8269592	[JVMCI] Optimize c2v_iterateFrames
JDK-8269580	assert(is_valid()) failed: invalid register (-1)
JDK-8269575	C2: assert(false) failed: graph should be schedulable after JDK-8252372
JDK-8269574	C2: Avoid redundant uncommon traps in GraphKit::builtin_throw() for JVMTI exception events
JDK-8269571	NMT should print total malloc bytes and invocation count
JDK-8269568	JVM crashes when running VectorMask query tests
JDK-8269559	AArch64: Implement string_compare intrinsic in SVE
JDK-8269558	fix of JDK-8252657 missed to update history at the end of JVM TI spec
JDK-8269543	The warning for System::setSecurityManager should only appear once for each caller
JDK-8269534	Remove java/util/concurrent/locks/Lock/TimedAcquireLeak.java from ProblemList.txt
JDK-8269530	runtime/ParallelLoad/ParallelSuperTest.java timeout
JDK-8269529	javaw/swing/reliability/HangDuringStaticInitialization.java fails in Windows debug build
JDK-8269528	VectorAPI Long512VectorTest fails on X86 KNL target
JDK-8269525	Deadlock during Volano with JFR
JDK-8269523	runtime/Safepoint/TestAbortOnVMOperationTimeout.java failed when expecting 'VM operation took too long'
JDK-8269517	compiler/loopopts/TestPartialPeelingSinkNodes.java crashes with -XX:+VerifyGraphEdges

OpenJDK Patch ID	Synopsis
JDK-8269516	AArch64: Assembler cleanups
JDK-8269513	Clarify the spec wrt <code>useOldISOCodes</code> system property
JDK-8269486	CallerAccessTest fails for non server variant
JDK-8269481	SctpMultiChannel never releases own file descriptor
JDK-8269478	Shenandoah: gc/shenandoah/mxbeans tests should be more resilient
JDK-8269466	Factor out the common code for initializing and starting internal VM JavaThreads
JDK-8269433	Remove effectively unused ReferenceProcessor::_enqueueing_is_done
JDK-8269426	Rename test/jdk/java/lang/invoke/t8150782 to accessClassAndFindClass
JDK-8269425	2 jdk/jfr/api/consumer/streaming tests failed to attach
JDK-8269418	jdk/jfr/event/oldobject/TestObjectSize.java failed with "RuntimeException: No events: expected false, was true"
JDK-8269417	Minor clarification on NonblockingQueue utility
JDK-8269416	[JVMCI] capture libjvmci crash data to a file
JDK-8269409	Post JEP 411 refactoring: core-libs with maximum covering > 10K
JDK-8269404	Base64 Encoding optimization enhancements for x86 using AVX-512
JDK-8269403	Fix jpackage tests to gracefully handle jpackage app launcher crashes
JDK-8269401	Merge "Exceptions" and "Errors" into "Exception Classes"
JDK-8269387	jpackage --add-launcher should have option to not create shortcuts for additional launchers
JDK-8269373	some tests in jdk/tools/launcher/ fails on localized Windows platform
JDK-8269354	javac crashes when processing parenthesized pattern in instanceof
JDK-8269351	Proxy::newProxyInstance and MethodHandleProxies::asInterfaceInstance should reject sealed interfaces
JDK-8269342	CICrashAt=1 does not always catch first Java method

OpenJDK Patch ID	Synopsis
JDK-8269336	Malformed jdk.serialFilter incorrectly handled
JDK-8269335	Unable to load svml library
JDK-8269316	ProblemList vmTestbase/vm/mlvm/mixed/stress/regression/b6969574/INDIFY_Test. java on Linux-X64 -Xcomp
JDK-8269315	ProblemList javax/swing/JFileChooser/FileSystemView/SystemIconTest.java on Win- X64
JDK-8269314	ProblemList serviceability/dcmd/gc/RunFinalizationTest.java on Win-X64 and linux-aarch64
JDK-8269307	ProblemList java/awt/KeyboardFocusmanager/TypeAhead/ButtonActionKeyTest/Butt onActionKeyTest.java on win-x64
JDK-8269304	Regression ~5% in spec2005 in b27
JDK-8269303	Remove unnecessary forward declaration of PSPromotionManager in cpCache.hpp
JDK-8269302	serviceability/dcmd/framework/InvalidCommandTest.java still fails after JDK-8268433
JDK-8269301	Switch statement with a pattern, constant and default label elements crash javac
JDK-8269295	Verification time before/after young collection only covers parts of the verification
JDK-8269294	Verify_before/after_young_collection should execute all verification
JDK-8269293	ObjectMonitor thread id fields should be 64 bits.
JDK-8269285	Crash/miscompile in CallGenerator::for_method_handle_inline after JDK- 8191998
JDK-8269281	java/foreign/Test{Down,Up}call.java time out
JDK-8269280	(bf) Replace StringBuffer in *Buffer.toString()

OpenJDK Patch ID	Synopsis
JDK-8269276	Additional tests for MessageDigest with different providers
JDK-8269269	[macos11] SystemIconTest fails with ClassCastException
JDK-8269268	JDWP: Properly fix thread lookup assert in findThread()
JDK-8269265	ProblemList serviceability/sa/TestJmapCoreMetaspace.java with ZGC
JDK-8269261	The Placeholder code uses Thread everywhere but is always dealing with JavaThreads
JDK-8269260	Add AVX512 and other SSE + AVX combinations testing for tests which generate vector instructions
JDK-8269258	java/net/httpclient/ManyRequestsLegacy.java failed with connection timeout
JDK-8269246	Scoped ByteBuffer vector access
JDK-8269240	java/foreign/stackwalk/TestAsyncStackWalk.java test failed with concurrent GC
JDK-8269232	assert(!is_jweak(handle)) failed: wrong method for destroying jweak
JDK-8269230	C2: main loop in micro benchmark never executed
JDK-8269225	JFR.stop misses the written info when the filename is only specified by JFR.start
JDK-8269223	-Xcheck:jni WARNINGS working with fonts on Linux
JDK-8269222	Incorrect number of workers reported for reference processing
JDK-8269218	GaloisCounterMode.overlapDetection misses the JDK-8263436 fix again
JDK-8269216	Useless initialization in com/sun/crypto/provider/PBES2Parameters.java
JDK-8269206	A small typo in comment in test/lib/sun/hotspot/WhiteBox.java
JDK-8269188	[BACKOUT] Remove CodeCache::mark_for_evol_deoptimization() method
JDK-8269186	[REDO] Remove CodeCache::mark_for_evol_deoptimization() method
JDK-8269185	Directories in /opt/runtimepackagetest and /path/to/jdk-17 are different

OpenJDK Patch ID	Synopsis
JDK-8269179	Crash in TestMacroLogicVector::testSubWordBoolean: assert(_base >= VectorMask && _base ≤ VectorZ) failed: Not a Vector
JDK-8269175	[macosx-aarch64] wrong CPU speed in hs_err file
JDK-8269150	UnicodeReader not translating \u005c\u005d to \\
JDK-8269148	Update minor GCC version in GitHub Actions pipeline
JDK-8269146	Missing unreported constraints on pattern and other case label combination
JDK-8269141	Switch statement containing pattern case label element gets in the loop during execution
JDK-8269138	Move typeArrayOop.inline.hpp include to vectorSupport.cpp
JDK-8269135	TestDifferentProtectionDomains runs into timeout in client VM
JDK-8269134	Remove sparsePRT.inline.hpp after JDK-8017163
JDK-8269130	Replace usages of Collection.toArray() with Collection.toArray(T[]) to avoid redundant array copying
JDK-8269129	Multiple tier1 tests in hotspot/jtreg/compiler are failing for client VMs
JDK-8269126	Rename G1AllowPreventiveGC option to G1UsePreventiveGC
JDK-8269125	Klass enqueue element size calculation wrong when traceid value cross compress limit
JDK-8269124	Update java.time to use switch expressions (part II)
JDK-8269122	The use of "extern const" for Register definitions generates poor code
JDK-8269120	Build failure with GCC 6.3.0 after JDK-8017163
JDK-8269119	C2: Avoid redundant memory barriers in Unsafe.copyMemory0 intrinsic
JDK-8269113	Javac throws when compiling switch (null)
JDK-8269110	ZGC: Remove dead code in zBarrier
JDK-8269092	Add OldObjectSampleEvent.allocationSize field

OpenJDK Patch ID	Synopsis
JDK-8269088	C2 fails with assert(!InStore() && !InLoadStore()) failed: no node with a side effect
JDK-8269087	CheckSegmentedCodeCache test fails in an emulated-client VM
JDK-8269077	TestSystemGC uses "require vm.gc.G1" for large pages subtest
JDK-8269074	(fs) Files.copy fails to copy from /proc on some linux kernel versions
JDK-8269066	assert(ZAddress::is_marked(addr)) failed: Should be marked
JDK-8269065	[REDO] vmTestbase/vm/mlvm/anonloader/stress/oome/metaspaces/Test.java failed with OutOfMemoryError
JDK-8269064	Dropped messages of AsyncLogWriter cause memleak
JDK-8269063	Build failure due to VerifyReceiverTypes was not declared after JDK-8268405
JDK-8269039	Disable SHA-1 Signed JARs
JDK-8269037	jsig/Testjsig.java doesn't have to be restricted to linux only
JDK-8269036	tools/jpackage/share/AplImagePackageTest.java failed with "hdiutil: create failed - Resource busy"
JDK-8269034	AccessControlException for SunPKCS11 daemon threads
JDK-8269032	Stringdedup tests are failing if the ergonomically select GC does not support it
JDK-8269031	linux x86_64 check for binutils 2.25 or higher after 8265783
JDK-8269029	compiler/codegen/TestCharVect2.java fails for client VMs
JDK-8269025	jsig/Testjsig.java doesn't check exit code
JDK-8269022	Put evacuation failure string directly into gc=info log message
JDK-8269004	Implement ResizableResourceHashtable
JDK-8269003	Update the java manpage for JDK 18
JDK-8268974	GetJREPath() JLI function fails to locate libjava.so if not standard Java launcher is used

OpenJDK Patch ID	Synopsis
JDK-8268972	Add default impl for recent new Reporter.print method
JDK-8268971	ProblemList tools/jpackage/windows/WinInstallerIconTest.java on win-x64
JDK-8268967	Update java.security to use switch expressions
JDK-8268966	AArch64: 'bad AD file' in some vector conversion tests
JDK-8268965	TCP Connection Reset when connecting simple socket to SSL server
JDK-8268964	Remove unused ReferenceProcessorAtomicMutator
JDK-8268963	[IR Framework] Some default regexes matching on PrintOptoAssembly in IRNode.java do not work on all platforms
JDK-8268961	Parenthesized pattern with guards does not work
JDK-8268960	com/sun/net/httpserver/Headers.java: Ensure mutators normalize keys and disallow null for keys and values
JDK-8268952	Automatically update heap sizes in G1MonitoringScope
JDK-8268927	Windows: link error: unresolved external symbol "int __cdecl convert_to_unicode(char const *,wchar_t **)"
JDK-8268909	ProblemList jdk/jfr/api/consumer/streaming/TestLatestEvent.java on win-x64
JDK-8268906	gc/g1/mixedgc/TestOldGenCollectionUsage.java assumes that GCs take 1ms minimum
JDK-8268904	JFR: Docs for -XX:StartFlightRecording is incorrect
JDK-8268903	JFR: RecordingStream::dump is missing @since
JDK-8268902	Testing for threadObj != NULL is unnecessary in suspend handshake
JDK-8268901	JDK-8268768 missed removing two files
JDK-8268900	com/sun/net/httpserver/Headers.java: Fix indentation and whitespace
JDK-8268897	[TESTBUG] compiler/compilercontrol/mixed/RandomCommandsTest.java must not fail on Command.quiet

OpenJDK Patch ID	Synopsis
JDK-8268896	Parenthesized pattern is not guarded by source level check
JDK-8268894	forged ASTs can provoke an AIOOBE at com.sun.tools.javac.jvm.ClassWriter::writePosition
JDK-8268893	jcmod to trim the glibc heap
JDK-8268888	Upstream 8268230: Foreign Linker API & Windows user32/kernel32: String conversion seems broken
JDK-8268885	duplicate checkcast when destination type is not first type of intersection type
JDK-8268884	C2: Compile::remove_speculative_types must iterate top-down
JDK-8268883	C2: assert(false) failed: unscheduable graph
JDK-8268882	C2: assert(n≠outcnt() != 0 C≠top() == n n≠is_Proj()) failed: No dead instructions after post-alloc
JDK-8268873	Unnecessary Vector usage in java.base
JDK-8268871	Adjust javac to updated exhaustiveness specification
JDK-8268870	Remove dead code in metaspaceShared
JDK-8268869	java in source-file mode suggests javac-only Xlint flags
JDK-8268863	ProblemList serviceability/sa/TestJmapCoreMetaspace.java on linux-x64 with ZGC
JDK-8268861	Disable Windows-Aarch64 build in GitHub Actions
JDK-8268860	Windows-Aarch64 build is failing in GitHub actions
JDK-8268859	jshell throws exception while parsing illegal "case true"
JDK-8268858	Determine register pressure automatically by the number of available registers for allocation
JDK-8268857	Merge VM_PrintJNI and VM_PrintThreads and remove the unused field 'is_deadlock' of DeadlockCycle
JDK-8268855	Cleanup name handling in the Thread class and subclasses
JDK-8268852	AsyncLogWriter should not override is_Named_thread()

OpenJDK Patch ID	Synopsis
JDK-8268851	ProblemList jdk/jfr/event/gc/detailed/TestEvacuationFailedEvent.java on linux-X64
JDK-8268830	ProblemList 3 serviceability/dcmd/framework tests with ZGC on win-x64
JDK-8268828	ProblemList compiler/intrinsics/VectorizedMismatchTest.java on win-x64
JDK-8268826	Cleanup Override in Context-Specific Deserialization Filters
JDK-8268824	Remove unused jdk.accessibility APIs deprecated for removal in JDK 9
JDK-8268821	Split systemDictionaryShared.cpp
JDK-8268780	Use 'print_cr' instead of 'print' for the message 'eliminated <owner is scalar replaced>'
JDK-8268779	ZGC: runtime/InternalApi/ThreadCpuTimesDeadlock.java#id1 failed with "OutOfMemoryError: Java heap space"
JDK-8268778	CDS check_excluded_classes needs DumpTimeTable_lock
JDK-8268776	Test ADatagramSocket.java missing /othervm from @run tag
JDK-8268775	Password is being converted to String in AccessibleJPasswordField
JDK-8268774	Residual logging output written to STDOUT, not STDERR
JDK-8268773	Improvements related to: Failed to start thread - pthread_create failed (EAGAIN)
JDK-8268768	idea.sh has been updated in surprising and incompatible ways
JDK-8268766	Desugaring of pattern matching enum switch should be improved
JDK-8268764	Use Long.hashCode() instead of int-cast where applicable
JDK-8268748	Javac generates uncorrect bytecodes when using nested pattern variables
JDK-8268739	AArch64: Build failure after JDK-8267663
JDK-8268736	Use apiNote in AutoCloseable.close javadoc
JDK-8268727	Remove unused slowpath locking method in OptoRuntime
JDK-8268725	jshell does not support the --enable-native-access option

OpenJDK Patch ID	Synopsis
JDK-8268723	Problem list SA core file tests on OSX when using ZGC
JDK-8268720	Unspecified checks on NameAndType constants should not be performed
JDK-8268717	Upstream: 8268673: Stack walk across optimized entry frame on fresh native thread fails
JDK-8268714	[macos-aarch64] 7 java/net/httpclient/websocket tests failed
JDK-8268702	JFR diagnostic commands lack argument descriptors when viewed using Platform MBean Server
JDK-8268699	Shenandoah: Add test for JDK-8268127
JDK-8268698	Use Objects.check{Index,FromToIndex,FromIndexSize} for java.base
JDK-8268678	LetsEncryptCA.java test fails as Let's Encrypt Authority X3 is retired
JDK-8268676	assert(!ik.is_interface() && !ik.has_subclass()) failed: inconsistent klass hierarchy
JDK-8268672	C2: assert(!loop.is_member(u_loop)) failed: can be in outer loop or out of both loops only
JDK-8268670	yield statements doesn't allow ~ or ! unary operators in expression
JDK-8268664	The documentation of the Scanner.hasNextLine is incorrect
JDK-8268663	Crash when guards contain boolean expression
JDK-8268647	Generation::expand_and_allocate has unused "parallel" argument
JDK-8268644	ProblemList serviceability/sa/ClsdbJstackXcompStress.java in -Xcomp mode
JDK-8268643	SVML lib shouldn't be generated when C2 is absent
JDK-8268641	[foreign] assert(allocates2(pc)) failed: not in CodeBuffer memory with ShenandoahGC
JDK-8268638	semaphores of AsyncLogWriter may be broken when JVM is exiting.
JDK-8268637	Update --release 17 symbol information for JDK 17 build 28
JDK-8268635	Corrupt oop in ClassLoaderData

OpenJDK Patch ID	Synopsis
JDK-8268630	ProblemList serviceability/jvmti/CompiledMethodLoad/Zombie.java on linux-aarch64
JDK-8268626	Remove native pre-jdk9 support for jtreg failure handler
JDK-8268621	SunJCE provider may throw unexpected NPE for un-initialized AES KW/KWP Ciphers
JDK-8268620	InfiniteLoopException test may fail on x86 platforms
JDK-8268612	a few runtime/memory tests don't check exit code
JDK-8268602	a couple runtime/os tests don't check exit code
JDK-8268601	mark hotspot runtime/records tests which ignore external VM flags
JDK-8268599	mark hotspot runtime/sealedClasses tests which ignore external VM flags
JDK-8268598	mark hotspot runtime/stringtable tests which ignore external VM flags
JDK-8268597	mark hotspot runtime/symboltable tests which ignore external VM flags
JDK-8268596	mark hotspot runtime/verifier tests which ignore external VM flags
JDK-8268595	java/io/Serializable/serialFilter/GlobalFilterTest.java#id1 failed in timeout
JDK-8268594	runtime/handshake tests don't need WhiteBox after AOT removal
JDK-8268592	JDK-8262891 causes an NPE in Lint.augment
JDK-8268591	a few runtime/jni tests don't need /othervm
JDK-8268582	javadoc throws NPE with --ignore-source-errors option
JDK-8268580	runtime/memory/LargePages/TestLargePagesFlags.java should be run in driver mode
JDK-8268576	jdk/jfr/event/gc/collection/TestSystemGc.java fails
JDK-8268575	Annotations not visible on model elements before they are generated
JDK-8268574	ProblemList tests failing due to UseBiasedLocking going away
JDK-8268566	java/foreign/TestResourceScope.java timed out
JDK-8268565	runtime/records/RedefineRecord.java should be run in driver mode

OpenJDK Patch ID	Synopsis
JDK-8268564	mark hotspot serviceability/attach tests which ignore external VM flags
JDK-8268563	mark hotspot serviceability/jvmti tests which ignore external VM flags
JDK-8268558	[TESTBUG] Case 2 in TestP11KeyFactoryGetRSAKeySpec is skipped
JDK-8268557	Module page uses unstyled table class
JDK-8268556	Use bitmap for storing regions that failed evacuation
JDK-8268555	Update HttpClient tests that use ITestContext to jtreg 6+1
JDK-8268549	Typo in file name in example for -Xlint:processing
JDK-8268545	Patterns: Remove stale text about any patterns
JDK-8268541	mark hotspot serviceability/sa tests which ignore external VM flags
JDK-8268539	several serviceability/sa tests should be run in driver mode
JDK-8268531	mark SDTProbesGNUlinuxTest as ignoring external VM flags
JDK-8268525	Some new memory leak after JDK-8248268 and JDK-8255557
JDK-8268524	nmethod::post_compiled_method_load_event racingly called on zombie
JDK-8268522	InstanceKlass::can_be_verified_at_dumptime() returns opposite value
JDK-8268520	VirtualSpace::print_on() should be const
JDK-8268482	compiler/intrinsics/VectorizedMismatchTest.java failed with failed: length in range
JDK-8268470	CDS dynamic dump asserts with JFR RecordingStream
JDK-8268469	Update java.time to use switch expressions
JDK-8268464	Remove dependancy of TestHttpsServer, HttpTransaction, HttpCallback from open/test/jdk/sun/net/www/protocol/https/ tests
JDK-8268458	Add verification type for evacuation failures
JDK-8268457	XML Transformer outputs Unicode supplementary character incorrectly to HTML
JDK-8268435	(ch) ChannelInputStream could override readAllBytes

OpenJDK Patch ID	Synopsis
JDK-8268433	serviceability/dcmd/framework/VMVersionTest.java fails with Unable to send object throw not established PipeIO Listener Thread connection
JDK-8268427	Improve AlgorithmConstraints:checkAlgorithm performance
JDK-8268425	Show decimal nid of OSThread instead of hex format one
JDK-8268420	new Reporter method to report a diagnostic within a DocTree node
JDK-8268416	Clarify invalid method and field ID in JNI specification
JDK-8268405	Several regressions 4-17% after CHA changes
JDK-8268404	[TESTBUG] tools/jpackage/windows/WinInstallerIconTest.java failed "AssertionError: Failed: Check icon"
JDK-8268371	C2: assert(_gvn.type(obj) == higher_equal(tjp)) failed: cast_up is no longer needed
JDK-8268369	SIGSEGV in PhaseCFG::implicit_null_check due to missing null check
JDK-8268368	Adopt cast notation for JavaThread conversions
JDK-8268366	Incorrect calculation of has_fpu_registers in C1 linear scan
JDK-8268364	jmethod clearing should be done during unloading
JDK-8268363	AArch64: Implement string_indexof_char intrinsic in SVE
JDK-8268362	[REDO] C2 crash when compile negative Arrays.copyOf length after loop
JDK-8268361	Fix the infinite loop in next_line
JDK-8268353	Test libsvm.so is and is not present in jdk image
JDK-8268350	Remove assert that ensures thread identifier remains the same
JDK-8268349	Provide clear run-time warnings about Security Manager deprecation
JDK-8268347	C2: nested locks optimization may create unbalanced monitor enter/exit code
JDK-8268342	java/foreign/channels/TestAsyncSocketChannels.java fails with "IllegalStateException: This segment is already closed"

OpenJDK Patch ID	Synopsis
JDK-8268333	javac crashes when pattern matching switch contains default case which is not last
JDK-8268320	Better error recovery for broken patterns in switch
JDK-8268316	Typo in JFR jdk.Deserialization event
JDK-8268298	jdk/jfr/api/consumer/log/TestVerbosity.java fails: unexpected log message
JDK-8268297	jdk/jfr/api/consumer/streaming/TestLatestEvent.java times out
JDK-8268294	Reusing HttpClient in a WebSocket.Listener hangs.
JDK-8268293	VectorAPI cast operation on mask and shuffle is broken
JDK-8268290	Improve LockFreeQueue<> utility
JDK-8268288	jdk/jfr/api/consumer/streaming/TestOutOfProcessMigration.java fails with "Error: ShouldNotReachHere()"
JDK-8268284	javax/swing/JComponent/7154030/bug7154030.java fails with "Exception: Failed to hide opaque button"
JDK-8268276	Base64 Decoding optimization for x86 using AVX-512
JDK-8268265	MutableSpaceUsedHelper::take_sample() hits assert(left >= right) failed: avoid overflow
JDK-8268261	C2: assert(n != __null) failed: Bad immediate dominator info.
JDK-8268236	The documentation of the String.regionMatches method contains error
JDK-8268231	Aarch64: Use Ldp in intrinsics for String.compareTo
JDK-8268223	Problemlist vmTestbase/nsk/jdi/HiddenClass/events/events001.java
JDK-8268148	unchecked warnings handle ? and ? extends Object differently
JDK-8268125	ZGC: Clone oop array gets wrong acopy stub
JDK-8268113	Re-use Long.hashCode() where possible
JDK-8268093	Manual Testcase: "sun/security/krb5/config/native/TestDynamicStore.java" Fails with NPE

OpenJDK Patch ID	Synopsis
JDK-8268084	[macos] Disabled JMenuItem arrow is not disabled
JDK-8268080	java/util/concurrent/forkjoin/AsyncShutdownNow.java fails with java.util.concurrent.RejectedExecutionException
JDK-8268078	ClassListParser::_interfaces should be freed
JDK-8268019	C2: assert(no_dead_loop) failed: dead loop detected
JDK-8267988	C2: assert(!addp_is_AddP() addp_in(AddPNode::Base) is_top() addp_in(AddPNode::Base) == n_in(AddPNode::Base)) failed: Base pointers must match (addp 1301)
JDK-8267982	Set the node after peephole optimization to be removed
JDK-8267956	C1 code cleanup
JDK-8267952	async logging supports to dynamically change tags and decorators
JDK-8267940	[macos] java/awt/print/Dialog/DialogOwnerTest.java fails
JDK-8267930	Refine code for loading hsdisk library
JDK-8267928	Loop predicate gets inexact loop limit before PhaseldealLoop::rc_predicate
JDK-8267894	Skip work for empty regions in G1 Full GC
JDK-8267893	Improve jtreg test failure handler do get native/mixed stack traces for cores and live processes
JDK-8267870	Remove unnecessary char_converter during class loading
JDK-8267853	Remove unused styles from stylesheet
JDK-8267844	Replace Integer/Long.valueOf() with Integer/Long.parse*() where applicable
JDK-8267840	Improve URLStreamHandler.parseURL()
JDK-8267833	Improve G1CardSetInlinePtr::add()
JDK-8267767	Redundant condition check in SafepointSynchronize::thread_not_running
JDK-8267752	KVHashtable doesn't deallocate entries

OpenJDK Patch ID	Synopsis
JDK-8267666	Add option to jcmd GC.heap_dump to use existing file
JDK-8267657	Add missing PrintC1Statistics before incrementing counters
JDK-8267652	c2 loop unrolling by 8 results in reading memory past array
JDK-8267636	Bump minimum boot jdk to JDK 17
JDK-8267635	4.1: Allow v62.0 class files for Java SE 18
JDK-8267634	Update --release 17 symbol information for JDK 17 build 26
JDK-8267632	Add source 18 and target 18 to javac
JDK-8267631	Add SourceVersion.RELEASE_18
JDK-8267630	Start of release updates for JDK 18
JDK-8267625	AARCH64: typo in LIR_Assembler::emit_profile_type
JDK-8267610	NPE at at jdk.compiler/com.sun.tools.javac.jvm.Code.emitop
JDK-8267602	[macos] [lanai] java/awt/PrintJob/Text/stringwidth.sh doesn't exit on cancelling print dialog
JDK-8267579	Thread::cooked_allocated_bytes() hits assert(left >= right) failed: avoid underflow
JDK-8267556	Enhance class paths check during runtime
JDK-8267485	Remove the dependency on SecurityManager in JceSecurityManager.java
JDK-8267448	Add "ulimit -a" to environment.html
JDK-8267432	Refactoring deprecated calls to make @SuppressWarnings more precise after JEP 411
JDK-8267421	j.l.constant.DirectMethodHandleDesc.Kind.valueOf(int) implementation doesn't conform to the spec regarding REF_invokeInterface handling
JDK-8267399	C2: java/text/Normalizer/ConformanceTest.java test failed with assertion
JDK-8267397	AlgorithmId's OID cache is never refreshed
JDK-8267388	Create implementation for NSAccessibilityTable protocol
JDK-8267387	Create implementation for NSAccessibilityOutline protocol

OpenJDK Patch ID	Synopsis
JDK-8267385	Create NSAccessibilityElement implementation for JavaComponentAccessibility
JDK-8267356	AArch64: Vector API SVE codegen support
JDK-8267307	Introduce new client property for XAWT: xawt.mwm_decor_title
JDK-8267303	Replace MinObjectAlignmentSize usages for non-Java heap objects
JDK-8267281	Call prepare_for_dynamic_dumping for jcmd dynamic_dump
JDK-8267271	Fix gc/arguments/TestNewRatioFlag.java expectedNewSize calculation
JDK-8267189	Remove duplicated unregistered classes from dynamic archive
JDK-8267188	gc/stringdedup/TestStringDeduplicationInterned.java fails with Shenandoah
JDK-8267186	Add string deduplication support to ZGC
JDK-8267185	Add string deduplication support to ParallelGC
JDK-8267163	Rename anonymous loader tests to hidden loader tests
JDK-8267161	Write automated test case for JDK-4479161
JDK-8267138	Stray suffix when starting gtests via GTestWrapper.java
JDK-8267125	AES Galois CounterMode (GCM) interleaved implementation using AVX512 + VAES instructions
JDK-8267108	Alternate Subject.getSubject and doAs APIs that do not depend on Security Manager APIs
JDK-8267100	[BACKOUT] JDK-8196415 Disable SHA-1 Signed JARs
JDK-8267075	jcmd VM.cds should print directory of the output files
JDK-8267042	bug in monitor locking/unlocking on ARM32 C1 due to uninitialized BasicObjectLock::_displaced_header
JDK-8266988	compiler/jvmci/compilerToVM/IsMatureTest.java fails with Unexpected isMature state for multiple times invoked method: expected false to equal true

OpenJDK Patch ID	Synopsis
JDK-8266972	Use String.concat() in j.l.Class where invokedynamic-based String concatenation is not available
JDK-8266936	Add a finalization JFR event
JDK-8266901	Clarify the method description of Duration.toDaysPart()
JDK-8266889	[macosx-aarch64] Crash with SIGBUS in MarkActivationClosure::do_code_blob during vmTestbase/nsk/jvmti/.../bi04t002 test run
JDK-8266885	[aarch64] Crash with 'Field too big for insn' for some tests under compiler/jvmci/jdk.vm.ci.code.test/src/jdk/vm/ci/code/test/
JDK-8266854	LibraryCallKit::inline_preconditions_checkIndex modifies control flow even if the intrinsic bailed out
JDK-8266839	Enable pandoc on macosx-aarch64 at Oracle
JDK-8266791	Annotation property which is compiled as an array property but changed to a single element throws NullPointerException
JDK-8266746	C1: Replace UnsafeGetRaw with UnsafeGet when setting up OSR entry block
JDK-8266666	Implementation for snippets
JDK-8266631	StandardJavaFileManager: getJavaFileObjects() impl violates the spec
JDK-8266614	update manpage for -Xlog:async
JDK-8266596	StandardJavaFileManager: default impls of setLocationFromPaths(), getJavaFileObjectsFromPaths() methods don't throw IllegalArgumentException as specified
JDK-8266595	jdk/jfr/jcmd/TestJcmdDump.java with slowdebug bits fails with AttachNotSupportedException
JDK-8266593	vmTestbase/nsk/jvmti/PopFrame/popframe011 fails with "assert(java_thread == _state->get_thread()) failed: Must be"
JDK-8266591	StandardJavaFileManager::getJavaFileObjectsFromPaths() methods contain a typo in their spec

OpenJDK Patch ID	Synopsis
JDK-8266590	StandardJavaFileManager::setLocationFromPaths() spec contains an error
JDK-8266578	Disambiguate BigDecimal description of scale
JDK-8266565	Spec of ForwardingJavaFileManager/ForwardingFileObject/ForwardingJavaFileObject methods should mention delegation instead of being copied
JDK-8266550	C2: mirror TypeOopPtr/TypeInstPtr/TypeAryPtr with TypeKlassPtr/TypeInstKlassPtr/TypeAryKlassPtr
JDK-8266519	Cleanup resolve() leftovers from BarrierSet et al
JDK-8266518	Refactor and expand scatter/gather tests
JDK-8266510	Nimbus JTree default tree cell renderer does not use selected text color
JDK-8266490	Extend the OSContainer API to support the pids controller of cgroups
JDK-8266473	javapath/java.exe strips double quotes from command line args
JDK-8266435	WBMPImageReader.read() should not truncate the input stream
JDK-8266407	remove jdk.internal.javac.PreviewFeature.Feature.SEALED_CLASSES
JDK-8266368	Inaccurate after_unwind hook in C2 exception handler
JDK-8266345	(fs) Custom DefaultFileSystemProvider security related loops
JDK-8266313	(JEP-356) - RandomGenerator spec implementation requirements tightly coupled to JDK internal classes
JDK-8266310	deadlock between System.loadLibrary and JNI FindClass loading another class
JDK-8266269	Lookup::accessClass fails with IAE when accessing an arrayClass with a protected inner class as component class
JDK-8266239	Some duplicated javac command-line options have repeated effect
JDK-8266182	Automate manual steps listed in the test jdk/sun/security/pkcs12/ParamsTest.java
JDK-8266082	AssertionError in Annotate.fromAnnotations with -Xdoclint

OpenJDK Patch ID	Synopsis
JDK-8266079	Lanai: AlphaComposite shows differences on Metal compared to OpenGL
JDK-8266054	VectorAPI rotate operation optimization
JDK-8266036	class file for sun.misc.Contended not found
JDK-8265919	RunThese30M fails "assert!((((JfrTraceIdBits::load(value & 1 << 4) << 8 != 0)))) failed: invariant"
JDK-8265909	build.tools.dtdbuilder.DTDBuilder.java failed detecting missing path of dtd_home
JDK-8265907	JVM crashes when matching VectorMaskCmp Node
JDK-8265888	StandardJavaFileManager::setLocationForModule specification misses 'Implementation Requirements:'
JDK-8265796	vmTestbase/nsk/jdi/ObjectReference/referringObjects/referringObjects002/referringObjects002.java fails when running with JEP 416
JDK-8265795	vmTestbase/nsk/jvmti/AttachOnDemand/attach022/TestDescription.java fails when running with JEP 416
JDK-8265604	Support unlinked classes in dynamic CDS archive
JDK-8265602	-XX:DumpLoadedClassList should support custom loaders
JDK-8265518	C1: Intrinsic support for Preconditions.checkIndex
JDK-8265500	Some impls of javax.crypto.Cipher.init() do not throw UnsupportedOperationException for unsupported modes
JDK-8265489	Stress test times out because of long ObjectSynchronizer::monitors_iterate(...) operation
JDK-8265474	Dubious 'null' assignment in CompactByteArray.expand
JDK-8265443	IGV: disambiguate groups by emitting additional properties
JDK-8265369	[macos-aarch64] java/net/MulticastSocket/Promiscuous.java failed with "SocketException: Cannot allocate memory"
JDK-8265317	[vector] assert(payload->is_object()) failed: expected 'object' value for scalar-replaced boxed vector but got: NULL

OpenJDK Patch ID	Synopsis
JDK-8265297	javax/net/ssl/SSLSession/TestEnabledProtocols.java failed with "RuntimeException: java.net.SocketException: Connection reset"
JDK-8265261	java/nio/file/Files/InterruptCopy.java fails with java.lang.RuntimeException: Copy was not interrupted
JDK-8265253	javac -Xdoclint:all gives "no comment" warning for code that can't be commented
JDK-8265150	AsyncGetCallTrace crashes on ResourceMark
JDK-8265132	C2 compilation fails with assert "missing precedence edge"
JDK-8265073	XML transformation and indentation when using xml:space
JDK-8265057	G1: Investigate removal of maintenance of two BOT thresholds
JDK-8264941	Remove CodeCache::mark_for_evol_deoptimization() method
JDK-8264908	Investigate adding BOT range check in G1BlockOffsetTablePart::block_at_or_preceding
JDK-8264849	Add KW and KWP support to PKCS11 provider
JDK-8264843	Javac crashes with NullPointerException when finding unencoded XML in <pre> tag
JDK-8264838	IGV: enhance graph export functionality
JDK-8264792	The NumberFormat for locale sq_XK formats price incorrectly.
JDK-8264775	ClhsdbFindPC still fails with java.lang.RuntimeException: 'In java stack' missing from stdout/stderr
JDK-8264735	Make dynamic dump repeatable
JDK-8264707	HotSpot Style Guide should permit use of lambda
JDK-8264605	vmTestbase/nsk/jvmti/SuspendThread/suspendthrd003/TestDescription.java failed with "agent_tools.cpp, 471: (foundThread = (jthread) jni_env->NewGlobalRef(foundThread)) != NULL"
JDK-8264543	Cross modify fence optimization for x86
JDK-8264517	C2: make MachCallNode::return_value_is_used() only available for x86

OpenJDK Patch ID	Synopsis
JDK-8264485	build.tools.depend.Depend.toString(byte[]) creates malformed hex strings
JDK-8264419	Remove has_max_index argument from G1BlockOffsetTablePart::block_at_or_preceding
JDK-8264322	Generate CDS archive when creating custom JDK image
JDK-8264303	Create implementation for NSAccessibilityTabGroup protocol peer
JDK-8264298	Create implementation for NSAccessibilityRow protocol peer
JDK-8264297	Create implementation for NSAccessibilityProgressIndicator protocol peer
JDK-8264296	Create implementation for NSAccessibilityPopUpButton protocol peer
JDK-8264295	Create implementation for NSAccessibilityMenuItem protocol peer
JDK-8264294	Create implementation for NSAccessibilityMenuBar protocol peer
JDK-8264293	Create implementation for NSAccessibilityMenu protocol peer
JDK-8264292	Create implementation for NSAccessibilityList protocol peer
JDK-8264291	Create implementation for NSAccessibilityCell protocol peer
JDK-8264287	Create implementation for NSAccessibilityComboBox protocol peer
JDK-8264286	Create implementation for NSAccessibilityColumn protocol peer
JDK-8264274	Block tags in overview.html are ignored
JDK-8264207	CodeStrings does not honour fixed address assumption.
JDK-8264125	Specification of Taskbar::getIconImage doesn't mention that the returned image might not be equal to the Taskbar::setIconImage one. (eg on Mac OS)
JDK-8263940	NPE when creating default file system when default file system provider is packaged as JAR file on class path
JDK-8263840	PeriodicTask should declare its destructor virtual
JDK-8263773	Reenable German localization for builds at Oracle
JDK-8263640	hs_err improvement: handle class path longer than O_BUFLEN

OpenJDK Patch ID	Synopsis
JDK-8263567	gtests don't terminate the VM safely
JDK-8263561	Re-examine uses of LinkedList
JDK-8263538	SharedArchiveConsistency.java should test -Xshare:auto as well
JDK-8263531	Remove unused buffer int
JDK-8263461	jdk/jfr/event/gc/detailed/TestEvacuationFailedEvent.java uses wrong mechanism to cause evacuation failure
JDK-8263389	IGV: Zooming changes the point that is currently centered
JDK-8263385	IGV: Graph is not opened in the window that has focus.
JDK-8263375	Support stack watermarks in Zero VM
JDK-8263364	sun/net/www/http/KeepAliveStream/KeepAliveStreamCloseWithWrongContentLength.java wedged in getInputStream
JDK-8263321	Regression 8% in javadoc-steady in 17-b11
JDK-8263155	Allow additional contents for DMG
JDK-8263059	security/infra/java/security/cert/CertPathValidator/certification/ComodoCA.java fails due to revoked cert
JDK-8262945	[macos] Regression Manual Test for Key Events Fails
JDK-8262944	Improve exception message when automatic module lists provider class not in JAR file
JDK-8262912	ciReplay: replay does not simulate unresolved classes
JDK-8262886	javadoc generates broken links with {@inheritDoc}
JDK-8262841	Clarify the behavior of PhantomReference::refersTo
JDK-8262751	RenderPipelineState assertion error in J2DDemo
JDK-8262731	[macOS] Exception from "Printable.print" is swallowed during "PrinterJob.print"
JDK-8262386	resourcehogs/serviceability/sa/TestHeapDumpForLargeArray.java timed out

OpenJDK Patch ID	Synopsis
JDK-8262341	Refine identical code in Addl/LNode.
JDK-8262297	ImageIO.write() method will throw IndexOutOfBoundsException
JDK-8262186	Call X509KeyManager.chooseClientAlias once for all key types
JDK-8262134	compiler/uncommontrap/TestDeoptOOM.java failed with "guarantee(false) failed: wrong number of expression stack elements during deopt"
JDK-8262095	NPE in Flow\$FlowAnalyzer.visitApply: Cannot invoke getThrownTypes because tree.meth.type is null
JDK-8262031	Create implementation for NSAccessibilityNavigableStaticText protocol
JDK-8262017	C2: assert(n != __null) failed: Bad immediate dominator info.
JDK-8261941	Use ClassLoader for unregistered classes during -Xshare:dump
JDK-8261847	performance of java.lang.Record::toString should be improved
JDK-8261579	AArch64: Support for weaker memory ordering in Atomic
JDK-8261495	Shenandoah: reconsider update references memory ordering
JDK-8261441	JFR: Filename expansion
JDK-8261236	C2: ClhsdbJstackXcompStress test fails when StressGCM is enabled
JDK-8261147	C2: Node is wrongly marked as reduction resulting in a wrong execution due to wrong vector instructions
JDK-8261088	Repeatable annotations without @Target cannot have containers that target module declarations
JDK-8261006	'super' qualified method references cannot occur in a static context
JDK-8260684	vmTestbase/gc/gctests/PhantomReference/phantom002/TestDescription.java timed out
JDK-8260540	serviceability/jdwp/AllModulesCommandTest.java failed with "Debuggee error: 'ERROR: transport error 202: bind failed: Address already in use'"
JDK-8260428	Drop support for pre JDK 1.4 DatagramSocketImpl implementations
JDK-8260265	UTF-8 by Default

OpenJDK Patch ID	Synopsis
JDK-8260262	Use common code in function <code>unmap_shared()</code> in <code>perfMemory_posix.cpp</code>
JDK-8260194	Update the documentation for <code>-Xcheck:jni</code>
JDK-8259948	Aarch64: Add cast nodes for Aarch64 Neon backend
JDK-8259848	Interim javadoc build does not support platform links
JDK-8259643	ZGC can return metaspace OOM prematurely
JDK-8259609	C2: optimize long range checks in long counted loops
JDK-8259499	Handling type arguments from outer classes for inner class in javadoc
JDK-8259338	Add expiry exception for <code>identrustdstx3</code> alias to <code>VerifyCACerts.java</code> test
JDK-8259066	Obsolete <code>-XX:+AlwaysLockClassLoader</code>
JDK-8259039	Passing different version to <code>--release</code> flag than <code>javac</code> version output warning
JDK-8258951	<code>java/net/httpclient/HandshakeFailureTest.java</code> failed with <code>"RuntimeException: Not found expected SSLHandshakeException in java.io.IOException"</code>
JDK-8258746	illegal access to global field <code>_jvmci_old_thread_counters</code> by terminated thread causes crash
JDK-8258734	<code>jdk/jfr/event/oldobject/TestClassLoaderLeak.java</code> failed with <code>"RuntimeException: Could not find class leak"</code>
JDK-8258512	<code>serviceability/sa/TestJmapCore.java</code> timed out on macOS 10.13.6
JDK-8258465	Headless build fails due to missing X11 headers on linux
JDK-8258421	<code>(jdeprscan) tools/jdeprscan/tests/jdk/jdeprscan/TestRelease.java</code> failed with <code>"error: cannot access jdk.internal.ValueBased"</code>
JDK-8258192	Obsolete the <code>CriticalJNINatives</code> flag
JDK-8258185	[JNI] Clarify the specification in relation to portable use of APIs that involve the Primitive Array Release Modes
JDK-8258117	<code>jar</code> tool sets the time stamp of <code>module-info.class</code> entries to the current time

OpenJDK Patch ID	Synopsis
JDK-8257856	Make ClassFileVersionsTest.java robust to JDK version updates
JDK-8257722	Improve "keytool -printcert -jarfile" output
JDK-8257540	javax/swing/JFileChooser/8041694/bug8041694.java failed with "RuntimeException: The selected directory name is not the expected 'd ' but 'D '."
JDK-8257534	misc tests failed with "NoClassDefFoundError: Could not initialize class java.util.concurrent.ThreadLocalRandom"
JDK-8257038	Remove expired flags in JDK 18
JDK-8256977	Bump minimum GCC from 5.x to 6 for JDK
JDK-8256934	C2: assert(Cℳlive_nodes() ≤ Cℳmax_node_limit()) failed: Live Node limit exceeded limit
JDK-8256919	BCEL: Utility.encode forget to close
JDK-8256844	Make NMT late-initializable
JDK-8256735	JFR: 'jfr' tool displays incorrect timestamps
JDK-8256425	Obsolete Biased Locking in JDK 18
JDK-8256306	ObjectMonitor::_contentions field should not be 'jint'
JDK-8256291	RunThese30M fails "assert(!_class_unload ? true : ((JfrTraceIdBits::load(class_loader_klass & 1 << 4) << 8 != 0))) failed: invariant"
JDK-8256208	Javadoc's generated overview does not show classes of unnamed package
JDK-8255898	Test java/awt/FileDialog/FilenameFilterTest/FilenameFilterTest.java fails on Mac OS
JDK-8255724	[XRender] the BlitRotateClippedArea test fails on Linux in the XR pipeline
JDK-8255470	[macos] java/awt/FileDialog/FileDialogBufferOverflowTest/FileDialogBufferOverflowTest.html timed out

OpenJDK Patch ID	Synopsis
JDK-8255409	Support the new C_GetInterfaceList, C_GetInterface, and C_SessionCancel APIs in PKCS#11 v3.0
JDK-8255286	Implement ParametersTypeData::print_data_on fully
JDK-8254739	G1: Optimize evacuation failure for regions with few failed objects
JDK-8254571	Erroneous generic type inference in a lambda expression with a checked exception
JDK-8254318	Remove .hgtags
JDK-8254267	javax/xml/crypto/dsig/LogParameters.java failed with "RuntimeException: Unexpected log output:"
JDK-8254167	G1: Record regions where evacuation failed to provide targeted iteration
JDK-8254108	ciReplay: Support incremental inlining
JDK-8253779	Amalloc may be wasting space by overaligning
JDK-8253343	Extract G1 Young GC algorithm related code from G1CollectedHeap
JDK-8253197	vmTestbase/nsk/jvmti/StopThread/stopthrd007/TestDescription.java fails with "ERROR: DebuggeeSleepingThread: ThreadDeath lost"
JDK-8253178	Replace LinkedList Impl in net.http.FilterFactory
JDK-8253119	Remove the legacy PlainSocketImpl and PlainDatagramSocketImpl implementation
JDK-8252990	Intrinsify Unsafe.storeStoreFence
JDK-8252842	Extend JMap to support parallel heap dump
JDK-8252813	client tests failing on macOS 10.15.X host
JDK-8251904	vmTestbase/nsk/sysdict/vm/stress/btree/btree010/btree010.java fails with ClassNotFoundException: nsk.sysdict.share.BTree0LLRLRLRRLR
JDK-8251513	Code around Parse::do_lookupswitch/do_tableswitch should be cleaned up

OpenJDK Patch ID	Synopsis
JDK-8251468	X509Certificate.get{Subject,Issuer}AlternativeNames and getExtendedKeyUsage do not throw CertificateParsingException if extension is unparseable
JDK-8251400	Fix incorrect addition of library to test in JDK-8237858
JDK-8251329	(zipfs) Files.walkFileTree walks infinitely if zip has dir named "." inside
JDK-8251216	Implement MD5 intrinsics on AArch64
JDK-8251134	Unwrapping a key with a Private Key generated by Microsoft CNG fails
JDK-8250678	ModuleDescriptor.Version parsing treats empty segments inconsistently
JDK-8249899	jdk/javadoc/tool/InlineTagsWithBraces.java uses @ignore w/o bug-id
JDK-8249898	jdk/javadoc/tool/6176978/T6176978.java uses @ignore w/o bug-id
JDK-8249897	jdk/javadoc/tool/LangVers.java uses @ignore w/o bug-id
JDK-8249646	Runtime.exec(String, String[], File) documentation contains literal {@link ... }
JDK-8249634	doclint should report implicit constructor as missing javadoc comments
JDK-8249004	Reduce ThreadsListHandle overhead in relation to direct handshakes
JDK-8248899	security/infra/java/security/cert/CertPathValidator/certification/QuoVadisCA.java fails, Certificate has been revoked
JDK-8248584	Enable CHECK_UNHANDLED_OOPS for Windows fastdebug builds
JDK-8248001	javadoc generates invalid HTML pages whose ftp:// links are broken
JDK-8247980	Exclusive execution of java/util/stream tests slows down tier1
JDK-8247973	Javadoc incorrect for IdentityArrayList, IdentityLinkedList
JDK-8247351	[aarch64] NullPointerException during stack walking (clhsdb "where -a")
JDK-8246797	A convenient method to read OPTIONAL element
JDK-8245877	assert(_value != __null) failed: resolving NULL _value in JvmtiExport::post_compiled_method_load
JDK-8245095	Implementation of JEP 408: Simple Web Server

OpenJDK Patch ID	Synopsis
JDK-8244675	<code>assert(IncrementalInline (_late_inlines.length() == 0 && !has_mh_late_inlines()))</code>
JDK-8244602	Add JTREG_REPEAT_COUNT to repeat execution of a test
JDK-8244202	Implementation of JEP 418: Internet-Address Resolution SPI
JDK-8244162	Additional opportunities to use NONCOPYABLE
JDK-8243585	AlgorithmChecker::check throws confusing exception when it rejects the signer key
JDK-8243543	jtreg test security/infra/java/security/cert/CertPathValidator/certification/BypassCA.java fails
JDK-8242847	G1 should not clear mark bitmaps with no marks
JDK-8239502	[TEST_BUG] Test javax/swing/text/FlowView/6318524/bug6318524.java never fails
JDK-8238649	Call new Win32 API SetThreadDescription in os::set_native_thread_name
JDK-8238436	java/awt/Frame/FrameLocationTest/FrameLocationTest.java fails
JDK-8238274	(sctp) JDK-7118373 is not fixed for SctpChannel
JDK-8237567	Refactor G1-specific code in shared VM_CollectForMetadataAllocation
JDK-8236505	Mark jdk/editpad/EditPadTest.java as @headful
JDK-8236212	CompiledMethodLoad and CompiledMethodUnload events can be posted in START phase
JDK-8236176	Parallel GC SplitInfo comment should be updated for shadow regions
JDK-8235876	Misleading warning message in java source-file mode
JDK-8233749	Files.exists javadoc doesn't mention eating IOException
JDK-8233724	Remove -Wc++14-compat warning suppression in operator_new.cpp
JDK-8233648	[TESTBUG] DefaultMenuBarTest.java failing on macos
JDK-8233558	[TESTBUG] WindowOwnedByEmbeddedFrameTest.java fails on macos

OpenJDK Patch ID	Synopsis
JDK-8233557	[TESTBUG] DoubleClickTitleBarTest.java fails on macOS
JDK-8233020	(fs) UnixFileSystemProvider should use StaticProperty.userDir().
JDK-8232066	Remove outdated code/methods from PKIX implementation
JDK-8231640	(prop) Canonical property storage
JDK-8231490	Ugly racy writes to ZipUtils.defaultBuf
JDK-8231356	Fix broken ResourceObj::operator new[] in debug builds
JDK-8231107	Allow store password to be null when saving a PKCS12 KeyStore
JDK-8230130	javadoc search result dialog shows cut off headers for long results
JDK-8229031	Exporting CLASSPATH from shell can result in build failures
JDK-8225667	Clarify the behavior of System::gc w.r.t. reference processing
JDK-8225559	assertion error at TransTypes.visitApply
JDK-8225488	Examine ExecutableType.getReceiverType behavior when source receiver parameter is absent
JDK-8225313	serviceability/jvmti/HeapMonitor/MyPackage/HeapMonitorStatObjectCorrectnessTest.java failed with Unexpected high difference percentage
JDK-8225181	KeyStore should have a getAttributes method
JDK-8225083	Remove Google certificate that is expiring in December 2021
JDK-8225082	Remove IdenTrust certificate that is expiring in September 2021
JDK-8224922	Access JavaFileObject from Element(s)
JDK-8223923	C2: Missing interference with mismatched unsafe accesses
JDK-8223358	Incorrect HTML structure in annotation pages
JDK-8221360	Eliminate Shared_DirtyCardQ_lock
JDK-8216145	jarsigner doc is not precise when describing jar file re-signing
JDK-8215948	[TESTBUG] gtest pseudo-JavaThreads could be more regular JavaThreads
JDK-8214761	Bug in parallel Kahan summation implementation

OpenJDK Patch ID	Synopsis
JDK-8213714	AttachingConnector/attach/attach001 failed due to "bind failed: Address already in use"
JDK-8213120	java/awt/TextArea/AutoScrollOnSelectAndAppend/AutoScrollOnSelectAndAppend.java fails on mac10.13
JDK-8212961	[TESTBUG] vmTestbase/nsk/stress/jni/ native code cleanup
JDK-8211230	JFR: internal events
JDK-8211002	test/jdk/java/lang/Math/PowTests.java skips testing for non-corner-case values
JDK-8210927	JDB tests do not update source path after doing a redefine class
JDK-8210558	serviceability/sa/TestJhsdbJstackLock.java fails to find '^s+- waiting to lock <0x[0-9a-f]+> \a java\lang\Class ...'
JDK-8209776	Refactor jdk/security/JavaDotSecurity/ifdefs.sh to plain java test
JDK-8206181	ExceptionInInitializerError: improve handling of exceptions in user-provided taglets
JDK-8205139	Remove Applet support from J2Ddemo
JDK-8205138	Remove Applet references from Font2DTest
JDK-8205137	Remove Applet support from SwingSet2
JDK-8202932	java/awt/Component/NativeInLightShow/NativeInLightShow.java fails
JDK-8202926	Test java/awt/Focus/WindowUpdateFocusabilityTest/WindowUpdateFocusabilityTest.html fails
JDK-8202667	java/awt/Debug/DumpOnKey/DumpOnKey.java times out on Windows
JDK-8202056	Expand serial warning to check for bad overloads of serial-related methods and ineffectual fields
JDK-8199594	Add doc describing how (?x) ignores spaces in character classes
JDK-8198626	java/awt/KeyboardFocusmanager/TypeAhead/TestDialogTypeAhead.html fails on mac

OpenJDK Patch ID	Synopsis
JDK-8198336	java/awt/FontMetrics/FontCrash.java fails in headless mode
JDK-8196440	Regression automated Test 'java/awt/TrayIcon/PopupMenuLeakTest/PopupMenuLeakTest.java' fails
JDK-8196017	java/awt/Mouse/GetMousePositionTest/GetMousePositionWithPopup.java fails
JDK-8195809	[TESTBUG] jps and jcmd -l support for containers is not tested
JDK-8193682	Infinite loop in ZipOutputStream.close()
JDK-8193559	ugly DO_JAVA_THREADS macro should be replaced
JDK-8192931	Regression test java/awt/font/TextLayout/CombiningPerf.java fails
JDK-8190753	(zipfs): Accessing a large entry (> 2^31 bytes) leads to a negative initial size for ByteArrayOutputStream
JDK-8190748	java/text/Format/DateFormat/DateFormatTest.java and NonGregorianCalendarTest fail intermittently
JDK-8189591	No way to locally suppress doclint warnings
JDK-8188046	java.lang.Math.multiplyHigh does not run in constant time
JDK-8188044	We need Math.unsignedMultiplyHigh
JDK-8186670	Implement _onSpinWait() intrinsic for AArch64
JDK-8185844	MSCAPI doesn't list aliases correctly
JDK-8177819	DateTimeFormatterBuilder zone parsing should recognise DST
JDK-8177814	jdk/editpad is not in jdk TEST.groups
JDK-8177043	x64 fixpath.exe doesn't setup correct environment to run x86 process
JDK-8174819	java/nio/file/WatchService/LotsOfEvents.java fails intermittently
JDK-8172065	javax.swing/JTree/4908142/bug4908142.java The selected index should be "aad"
JDK-8171382	java.time.Duration missing isPositive method

OpenJDK Patch ID	Synopsis
JDK-8169468	NoResizeEventOnDMChangeTest.java fails because FS Window didn't receive all resizes!
JDK-8168388	GetMousePositionTest fails with the message "Mouse position should not be null"
JDK-8164492	[TEST_BUG] closed/javax/swing/JMenuItem/4738983/bug4738983.java
JDK-8164433	Add ceilDiv() to java.lang.Math
JDK-8160675	Issue lint warning for non-serializable non-transient instance fields in serializable type
JDK-8159979	During initial mark, preparing all regions for marking may take a significant amount of time
JDK-8159904	[TEST_BUG] Failure on solaris of java/awt/Window/MultiWindowApp/MultiWindowAppTest.java
JDK-8154011	Make TraceDeoptimization a diagnostic flag
JDK-8153490	Cannot setBytes() if incoming buffer's length is bigger than number of elements we want to insert.
JDK-8152350	⌘ [macosx] Rework Swing accessibility support to use OS X 10.10 SDK NSAccessibility Protocol
JDK-8151594	Move concurrent refinement thread activation logging out of GC pause
JDK-8144012	[PIT][macosx] Failure of closed/java/awt/FontClass/FontStringBounds.java
JDK-8140442	Add getOutermostTypeElement to javax.lang.model utility class
JDK-8140241	(fc) Data transfer from FileChannel to itself causes hang in case of overlap
JDK-8137101	[TEST_BUG] javax/swing/plaf/basic/BasicHTML/4251579/bug4251579.java failure due to timing
JDK-8133873	Simplify {Register,Unregister}NMethodOopClosure

OpenJDK Patch ID	Synopsis
JDK-8133686	URLConnection.getHeaderFields and URLConnection.getRequestProperties methods return field values in reverse order
JDK-8132785	java/lang/management/ThreadMXBean/ThreadLists.java fails intermittently
JDK-8079267	[TEST_BUG] Test java/awt/Frame/MiscUndecorated/RepaintTest.java fails
JDK-8078641	MethodHandle.asTypeCache can retain classes from unloading
JDK-8075806	divideExact is missing in java.lang.Math
JDK-8067223	[TESTBUG] Rename Whitebox API package
JDK-8058704	Nimbus does not honor JTextPane background color
JDK-8051680	(ref) unnecessary process_soft_ref_reconsider
JDK-8050988	[TEST BUG] Tests use delays instead of synchronization (swing)
JDK-8049520	FileCredentialsCache loads cache once and is never refreshed
JDK-8049301	Suspicious use of string identity checks in JComponent.setUIProperty
JDK-8048504	G1: Investigate replacing the coarse and fine grained data structures in the remembered sets
JDK-8048190	NoClassDefFoundError omits original ExceptionInInitializerError
JDK-8041125	ColorConvertOp filter much slower in JDK 8 compared to JDK7
JDK-8017175	[TESTBUG] javax/swing/JPopupMenu/4634626/bug4634626.java sometimes failed on mac
JDK-8017163	G1: Refactor remembered sets
JDK-8015893	[TEST_BUG] closed/javax/swing/JPopupMenu/4769039/bug4769039.java sometimes hangs on ubuntu 12.04
JDK-8015886	java/awt/Focus/DeiconifiedFrameLoosesFocus/DeiconifiedFrameLoosesFocus.java sometimes failed on Ubuntu

OpenJDK Patch ID	Synopsis
JDK-8013527	calling MethodHandles.lookup on itself leads to errors
JDK-8012268	ciReplay: process_cilInstanceKlass: JVM_CONSTANT_MethodHandle not supported
JDK-8012267	ciReplay: fails to resolve @SignaturePolymorphic methods in replay data
JDK-8008243	Zero: Implement fast bytecodes
JDK-7188098	TEST_BUG: closed/javax/sound/midi/Synthesizer/Receiver/bug6186488.java fails
JDK-7179436	TEST_BUG: closed/javax/swing/text/html/HTMLToolkit/6520730/bug6520730.java fails intermittently
JDK-7124287	[macosx] JTableHeader doesn't get focus after pressing F8 key
JDK-7124251	[TEST_BUG] [macosx] JInternalFrame DesktopIcon isn't properly placed on desktop
JDK-7008363	TEST_BUG: test/java/lang/StringCoding/CheckEncodings.sh does nothing and is very slow at that
JDK-6982635	closed/javax/swing/LookAndFeel/FocusedCellRendering/FocusedCellRendering.java fails
JDK-6949259	G1: Merge sparse and fine remembered set hash tables
JDK-6854300	[TEST_BUG] java/awt/event/MouseEvent/SpuriousExitEnter/SpuriousExitEnter_3.java fails in jdk6u14 & jdk7
JDK-6789980	JEditorPane background color not honored with Nimbus L&F
JDK-6766844	ByteArrayInputStream#read with a byte array of length 0 not consistent with InputStream when at EOF
JDK-6722236	3 Choice regression testcases are failing from 6u10_b26 build onwards
JDK-6633375	FileOutputStream_md.c should be merged into FileOutputStream.c
JDK-6506405	Math.abs(float) is slow
JDK-6350025	API documentation for JOptionPane using deprecated methods.

OpenJDK Patch ID	Synopsis
JDK-5015261	NPE may be thrown if JDesktopIcon is set to null on a JInternalFrame
JDK-4847239	(spec) File.createTempFile() should make it clear that it doesn't create the temporary directory
JDK-4819544	SwingSet2 JTable Demo throws NullPointerException
JDK-4718400	Many quantities are held as signed that should be unsigned
JDK-8282543	Remove B37 from JDK 18 Artifactory

OpenJFX Bug Fixes

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

OpenJDK Patch ID	Synopsis
JDK-8282766	Create release notes for JavaFX 18
JDK-8281207	TableView scrollTo() will not show last row for a custom cell factory.
JDK-8280280	Update boot JDK to 17.0.2
JDK-8280275	JUnit5 tests using Assumptions API fail to compile in some cases
JDK-8279396	Define version in .jcheck/conf
JDK-8279345	Realign class docs of LightBase and subclasses
JDK-8279328	CssParser uses default charset instead of UTF-8
JDK-8279078	Update copyright header for files modified in 2021
JDK-8278905	JavaFX: EnumConverter has a typo in the toString method
JDK-8278860	Streamline properties for Monocle
JDK-8278595	Provide more information when a pipeline can't be used
JDK-8278494	Remove .hgtags
JDK-8278425	TreeTableCellStartEditTest uses deprecated TreeTableCell methods
JDK-8278260	JavaFX shared libraries not stripped on Linux or macOS
JDK-8278134	Move static utility methods to infrastructure (EditAndScrollTest)

OpenJDK Patch ID	Synopsis
JDK-8277475	Update JDK_DOCS property to point to JDK 17 docs
JDK-8277457	"AccessControlException: access denied (""java.net.NetPermission"" ""getCookieHandler"")"
JDK-8277133	Dragboard contents retrieved all over again during a DND process on WebView
JDK-8276915	Crash on iOS 15.1 in GlassRunnable::dealloc
JDK-8276847	JSEException: ReferenceError: Can't find variable: IntersectionObserver
JDK-8276553	ListView scrollTo() is broken after fix for JDK-8089589
JDK-8276490	Incorrect path for duplicate x and y values, when path falls outside axis bound
JDK-8276313	ScrollPane scroll delta incorrectly depends on content height
JDK-8276206	Rename TextBinding class to better express its purpose
JDK-8276179	PrismFontFile.isInstalledFont is dead code and should be removed
JDK-8276174	JavaFX build fails on macOS aarch64
JDK-8276167	VirtualFlow.scrollToTop doesn't scroll to the top of the last element
JDK-8276144	Update boot JDK to 17.0.1
JDK-8276142	Update gradle to version 7.3
JDK-8275911	Keyboard doesn't show when tapping inside an iOS text input control
JDK-8275848	Deprecate for removal mistakenly exposed field from class javafx.scene.shape.Box
JDK-8275815	OCA link in README.md and CONTRIBUTING.md is broken
JDK-8275723	Crash on macOS 12 in GlassRunnable::dealloc
JDK-8275138	WebView: UserAgent string is empty for first request
JDK-8274929	Crash while reading specific clipboard content
JDK-8274854	Mnemonics for menu containing numeric text not working
JDK-8274699	Certain blend modes cannot be set from CSS

OpenJDK Patch ID	Synopsis
JDK-8274669	Dialog sometimes ignores max height
JDK-8274433	All Cells: misbehavior of startEdit
JDK-8274413	FX: Update copyright year in docs, readme files to 2022
JDK-8274274	Update JUnit to version 5.8.1
JDK-8274137	TableView scrollbar/header misaligned when reloading data
JDK-8274107	Cherry pick GTK WebKit 2.32.4 changes
JDK-8274061	Tree-/TableRowSkin: misbehavior on switching skin
JDK-8274022	Additional Memory Leak in ControlAcceleratorSupport
JDK-8273998	Clarify specification for Window properties controlled by the window manager
JDK-8273969	Memory Leak on the Runnable provided to Platform.startup
JDK-8273946	Move clearQuad method to BaseShaderGraphics superclass
JDK-8273754	Re-introduce Automatic-Module-Name in empty jars
JDK-8273343	Create release notes for JavaFX 17
JDK-8273324	IllegalArgumentException: fromIndex(0) > toIndex(-1) after clear and select TableCell
JDK-8273138	BidirectionalBinding fails to observe changes of invalid properties
JDK-8273096	Add support for H.265/HEVC to JavaFX Media
JDK-8273089	Deprecate JavaFX GTK 2 library for removal
JDK-8273071	SeparatorSkin: must remove child on dispose
JDK-8272870	Add convenience factory methods for Border and Background
JDK-8272808	Update constant collections to use the new immutable collections - leftovers
JDK-8272779	Package docs for javafx.embed.swing are misleading
JDK-8272638	Update copyright header for files modified in 2021
JDK-8272329	Cherry pick GTK WebKit 2.32.3 changes

OpenJDK Patch ID	Synopsis
JDK-8272118	ListViewSkin et al: must not cancel edit on scrolling
JDK-8271485	"Javadoc ""Method Summary"" table is misaligned if overridden JDK method has {@inheritDoc} tag"
JDK-8271484	Tree-/TableCell: NPE when accessing edit event from startEdit
JDK-8271474	Tree-/TableCell: inconsistent edit event firing pattern
JDK-8271398	GTK3 drag view image swaps red and blue color channels
JDK-8271230	Remove obsolete test classes and data files from 3DViewer sample
JDK-8271091	Missing API docs in UI controls classes
JDK-8271090	Missing API docs in scenegraph classes
JDK-8271086	Block comments of form '/*' are treated as javadoc comments
JDK-8271085	TabPane: Redundant API docs
JDK-8270960	Update copyright header for files modified in 2021
JDK-8270959	Update boot JDK to 16.0.2
JDK-8270839	Remove deprecated implementation methods from Scene
JDK-8270838	Remove deprecated protected access members from DateTimeStringConverter
JDK-8270479	WebKit 612.1 build fails with Visual Studio 2017
JDK-8270314	TreeTableCell: inconsistent naming for tableRow and tableColumn property methods
JDK-8270246	Deprecate for removal implementation methods in Scene
JDK-8270107	Open source FXMediaPlayer test app
JDK-8269968	[REDO] Bump minimum version of macOS for x64 to 10.12
JDK-8269967	JavaFX should fail fast on macOS below minimum version
JDK-8269871	CellEditEvent: must not throw NPE in accessors
JDK-8269639	[macos] Calling stage.setY(0) twice causes wrong popups location
JDK-8269638	Property methods, setters, and getters in printing API should be final

OpenJDK Patch ID	Synopsis
JDK-8269597	Change JavaFX release version to 18
JDK-8269374	Menu inoperable after setting stage to second monitor
JDK-8269081	Tree/ListViewSkin: must remove flow on dispose
JDK-8268849	Update to 612.1 version of WebKit
JDK-8268718	[macos] Video stops, but audio continues to play when stopTime is reached
JDK-8268295	Tree- and TableCell sub implementations should respect the row editability
JDK-8267472	JavaFX modules to include version information
JDK-8267059	Gradle :clean and :apps tasks fail on Windows if ANT_HOME contains spaces
JDK-8264736	Fix mistakes in FX API docs
JDK-8255015	Inconsistent illumination of 3D shape by PointLight
JDK-8254956	[REDO] Memoryleak: Closed focused Stages are not collected with Monocle
JDK-8253351	MediaPlayer does not display an mp4 if there no speakers connected to the PC's
JDK-8250590	Classes and methods in the javafx.css package are missing documentation
JDK-8244419	TextAreaSkin: throws UnsupportedOperationException on dispose
JDK-8242544	CMD+ENTER key event crashes the application when invoked on dialog
JDK-8242531	[macos] JavaFX OSXPlatform tries to load nonexistent libjfxmedia_qtkit
JDK-8240640	[macos] Wrong focus behaviour with multiple Alerts
JDK-8240506	TextFieldSkin/Behavior: misbehavior on switching skin
JDK-8236689	macOS 10.15 Catalina: LCD text renders badly
JDK-8234921	Add DirectionalLight to the selection of 3D light types

OpenJDK Patch ID	Synopsis
JDK-8232812	[MacOS] Double click title bar does not restore window size
JDK-8231644	TreeTableView Regression: Indentation wrong using Label as column content type
JDK-8231601	Update CONTRIBUTING.md to clarify process for contributing features plus Skara changes
JDK-8227371	Drag&Drop while holding the CMD key does not work on macOS
JDK-8222455	JavaFX error loading glass.dll from cache
JDK-8214158	Implement HostServices.showDocument on macOS without calling AWT
JDK-8212088	Missing copyright notices for property files
JDK-8205915	[macOS] Accelerator assigned to button in dialog fires menuitem in owning stage
JDK-8203463	[Accessibility, Narrator] NPE in TableView
JDK-8201538	Remove implementation support for applets from JavaFX
JDK-8197991	Selecting many items in a TableView is very slow
JDK-8191995	Regression: DatePicker must commit on focusLost
JDK-8188027	List/TableCell: must not fire event in startEdit if already editing
JDK-8188026	TextFieldXXCell: NPE on calling startEdit
JDK-8187474	Tree-/TableCell, TreeCell: editingCell/Item not updated in cell.startEdit
JDK-8172095	Let Node.managed become CSS-styleable
JDK-8169098	[TestBug] Manual test case for JDK-8089915
JDK-8160597	IllegalArgumentException when we initiate drag on Image
JDK-8090547	Allow for transparent backgrounds in WebView
JDK-8090158	Wrong implementation of adjustValue in scrollBars
JDK-8089398	[ChoiceBox, ComboBox] throws NPE on setting value on null selectionModel

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