



Azul Zulu builds of OpenJDK

Azul Zulu 20 General Availability

Release Notes

Revision 1.1

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Revision History

Revision	Date	Description
0.1	March 21, 2023	Initial version of the document.
0.2	March 21, 2023	Full lists with fixes.
0.3	March 21, 2023	Added information to the "What's New" section.
0.4	March 21, 2023	Added information about minimal JDK version for JavaFX 20.
0.5	March 21, 2023	Added subcomponent column to OpenJFX list.
1.0	March 21, 2023	Ready for release.
1.1	March 21, 2023	Minor typo fix.

Release Details

Release Date: March 21, 2023

This release is a General Availability release of Azul Zulu 20. The following table describes which Azul Zulu versions are published with this release.

Azul Zulu Version*	JDK Version	JavaFX Version
20.28.85 (CA) 20.28.86 (SA)	20.0.0+36	20.0.0+103

* Azul provides two 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.
- **CA** are Azul Zulu builds of OpenJDK that are free to download and use.

What's New

OpenJDK

OpenJDK 20 is a short-term supported release that will be supported by Azul until September 2023 as indicated on our ["Support Roadmap"](#). This version doesn't bring major new features but contains many general fixes, performance improvements, and extensions of earlier incubator and preview features. Nevertheless, as any other new OpenJDK version, it's a fully functional, production-ready release! It's advised to use this version in development and testing if you are planning to use the next long-term supported version, 21, which will be released in September 2023.

An impressive number of 2361 OpenJDK and 137 OpenJFX issues are included in this release!

The full list of changes is available in the list of bug fixes below and is also available on [Foojay](#). Check out [the community podcast](#) where the changes included in OpenJDK 20 and the release process of the OpenJDK project are discussed.

OpenJFX

Based on [JDK-8290530](#), JavaFX 20 requires JDK 17 or later in order to run. If you attempt to run with an older JDK, the Java launcher will exit with an error message indicating that the `javafx.base` module cannot be read.

Supported Platforms

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

Operating System	Azul Zulu 20
Windows (x86 64-bit)	
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
Linux (x86 64-bit)	
RHEL 9.x	Yes
RHEL 8.x	Yes
RHEL 7.x	Yes
SLES 15	Yes
SLES 12	Yes
CentOS Stream	Yes

Ubuntu 22.04	Yes
Ubuntu 20.04	Yes
Ubuntu 18.04	Yes
Debian 11	Yes
Debian 10	Yes
Debian 9	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 13	Yes
macOS 12	Yes
MacOS (Apple Silicon)	
macOS 13	Yes
macOS 12	Yes

IANA Time Zone Data Version

This release of Azul Zulu comes with IANA Time Zone Database version 2022g.

Fixed Issues

OpenJDK Bug Fixes

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

OpenJDK Patch ID	Synopsis
JDK-8301989	new javax.swing.text.DefaultCaret().setBlinkRate(N) results in NPE
JDK-8301863	ObjectInputFilter example incorrectly calls rejectUndecidedClass

OpenJDK Patch ID	Synopsis
JDK-8301206	Fix issue with LocaleData after JDK-8300719
JDK-8300953	ClassDesc::ofInternalName missing @since tag
JDK-8300719	JDK 20 RDP2 L10n resource files update
JDK-8300623	Lambda deserialization regression involving Enum method reference
JDK-8300591	@SuppressWarnings option "lossy-conversions" missing from jdk.compiler module javadoc
JDK-8300275	SegmentScope.isAccessibleBy returning incorrect values
JDK-8300269	The selected item in an editable JComboBox with titled border is not visible in Aqua LAF
JDK-8300195	Fall-through issue occurs when using record pattern in switch statements
JDK-8300147	ProblemList vmTestbase/nsk/jvmti/SetFieldModificationWatch/setfmodw001/TestDescription.java in Xcomp
JDK-8300144	ProblemList vmTestbase/nsk/sysdict/vm/stress/chain/chain007/chain007.java with ZGC
JDK-8300141	ProblemList java/util/concurrent/locks/Lock/OOMEInAQS.java with ZGC
JDK-8300055	[BACKOUT] OPEN_MAX is no longer the max limit on macOS >= 10.6 for RLIMIT_NOFILE
JDK-8299891	JMX ObjectInputFilter additional classes needed
JDK-8299862	OfAddress setter should disallow heap segments
JDK-8299849	Revert JDK-8294461: wrong effectively final determination by javac
JDK-8299740	CaptureCallState is missing @Preview annotation
JDK-8299733	AArch64: "unexpected literal addressing mode" assertion failure with -XX:+PrintC1Statistics
JDK-8299715	IR test: VectorGatherScatterTest.java fails with SVE randomly
JDK-8299689	Make use of JLine for Console as "opt-in"

OpenJDK Patch ID	Synopsis
JDK-8299561	Valist.empty() doesn't return a list associated with the global scope
JDK-8299528	IR test: TestEor3AArch64.java fails on aarch64
JDK-8299502	Usage of constructors of primitive wrapper classes should be avoided in javax.xml API docs
JDK-8299501	Usage of constructors of primitive wrapper classes should be avoided in java.util API docs
JDK-8299500	Usage of constructors of primitive wrapper classes should be avoided in java.text API docs
JDK-8299499	Usage of constructors of primitive wrapper classes should be avoided in java.net API docs
JDK-8299498	Usage of constructors of primitive wrapper classes should be avoided in java.lang API docs
JDK-8299483	ProblemList java/text/Format/NumberFormat/CurrencyFormat.java
JDK-8299476	PPC64 Zero build fails after JDK-8286302
JDK-8299439	java/text/Format/NumberFormat/CurrencyFormat.java fails for hr_HR
JDK-8299241	jdk/jfr/api/consumer/streaming/TestJVMCrash.java generates unnecessary core file
JDK-8299237	add ArraysSupport.newLength test to a test group
JDK-8299235	broken link referencing missing id
JDK-8299230	Use https: in links
JDK-8299227	host exif.org not found in link in doc comment
JDK-8299207	[Testbug] Add back test/jdk/java/awt/Graphics2D/DrawPrimitivesTest.java
JDK-8299156	Broken link in jdk.compiler/module-info.java
JDK-8299128	[REDO] JDK-8213562 Test javax/swing/text/DefaultCaret/HidingSelection/MultiSelectionTest.java fails

OpenJDK Patch ID	Synopsis
JDK-8299127	[REDO] JDK-8194048 Regression automated test '/open/test/jdk/javax/swing/text/DefaultCaret/HidingSelection/HidingSelectionTest.java' fails
JDK-8299123	[BACKOUT] 4512626 Non-editable JTextArea provides no visual indication of keyboard focus
JDK-8299090	Specify coordinate order for additional CaptureCallState parameters on class as well
JDK-8299077	[REDO] JDK-4512626 Non-editable JTextArea provides no visual indication of keyboard focus
JDK-8299034	Runtime::exec clarification of inherited environment
JDK-8299015	Ensure that HttpResponse.BodySubscribers.ofFile writes all bytes
JDK-8298990	ProblemList java/lang/Thread/virtual/stress/Skynet.java subtests with ZGC
JDK-8298989	ProblemList vmTestbase/nsk/jvmti/InterruptThread/intrpthrd003/TestDescription.java on macosx-x64
JDK-8298987	ProblemList jdk/internal/vm/Continuation/Fuzz.java#default with ZGC on X64
JDK-8298978	ProblemList vmTestbase/nsk/stress/strace/strace003.java on 2 platforms
JDK-8298977	ProblemList vmTestbase/nsk/stress/strace/strace002.java on 2 platforms
JDK-8298976	ProblemList java/util/concurrent/ExecutorService/CloseTest.java on macosx-aarch64
JDK-8298970	Problem list java/awt/event/KeyEvent/KeyTyped/CtrlASCII.java
JDK-8298968	G1: Incorrect merged remset stats
JDK-8298947	compiler/codecache/MHIntrinsicAllocFailureTest.java fails intermittently
JDK-8298919	Add a regression test for JDK-8298520

OpenJDK Patch ID	Synopsis
JDK-8298905	Test "java/awt/print/PrinterJob/ImagePrinting/PrintARGBImage.java" fails because the frames of instruction does not display
JDK-8298894	java/lang/Thread/virtual/stress/Skynet.java timed out and threw OutOfMemoryError
JDK-8298893	Rename option UsePolyIntrinsics to UsePoly1305Intrinsics
JDK-8298892	ProblemList vmTestbase/nsk/sysdict/vm/stress/chain/chain008/chain008.java with ZGC
JDK-8298891	ProblemList vmTestbase/nsk/monitoring/MemoryPoolMBean/isCollectionUsageThresholdExceeded/isexceeded002/TestDescription.java with ZGC
JDK-8298889	ProblemList runtime/StackGuardPages/TestStackGuardPages.java on linux
JDK-8298888	ProblemList gc/g1/TestVerifyGCType.java on linux and macosx
JDK-8298852	Use of uninitialized memory in MetadataFactory::free_metadata
JDK-8298797	Specification of some restricted methods is incorrect
JDK-8298785	gc/TestFullGCCCount.java fails with "invalid boolean value: `null` for expression `vm.opt.ExplicitGCInvokesConcurrent`"
JDK-8298784	JFR: Test chunk integrity
JDK-8298727	Trees.getPath may crash for unnamed package
JDK-8298726	(fs) Change PollingWatchService to record last modified time as FileTime rather than milliseconds
JDK-8298700	Typo in DocTree comment
JDK-8298699	java/lang/reflect/IllegalArgumentsTest.java times out with slowdebug bits
JDK-8298649	JFR: RemoteRecordingStream support for checkpoint event sizes beyond u4
JDK-8298642	ParallelGC -XX:+UseNUMA eden spaces allocated on wrong node

OpenJDK Patch ID	Synopsis
JDK-8298588	WebSockets: HandshakeUrlEncodingTest unnecessarily depends on a response body
JDK-8298525	javadoc crashes with "UnsupportedOperationException: Not yet implemented" in SeeTaglet.inherit
JDK-8298520	C2: assert(found_opaque == res) failed: wrong pattern
JDK-8298488	[macos13] tools/jpackage tests failing with "Exit code: 137" on macOS
JDK-8298463	tools/javac/modules/EdgeCases.java fails on Windows after JDK-8297988
JDK-8298455	JFR: Add logging to TestClose.java
JDK-8298425	System.console().readLine() hangs in jshell
JDK-8298419	ProblemList vmTestbase/nsk/monitoring/ThreadMXBean/ThreadInfo/Multi/Multi005/ TestDescription.java on windows-x64
JDK-8298417	ProblemList vmTestbase/nsk/stress/strace/strace004.java on 2 platforms
JDK-8298414	ProblemList gc/TestFullGCCCount.java on linux-x64
JDK-8298402	ProblemList javax/swing/JFileChooser/4847375/bug4847375.java on windows-x64
JDK-8298400	Virtual thread instability when stack overflows
JDK-8298383	JFR: GenerateJfrFiles.java lacks copyright header
JDK-8298379	JFR: Some UNTIMED events only sets endTime
JDK-8298377	JfrVframeStream causes deadlocks in ZGC
JDK-8298376	ZGC: thaws stackChunk with stale oops
JDK-8298375	Bad copyright header in test/jdk/java/lang/Character/Supplementary.java
JDK-8298371	monitors_on_stack extracts unprocessed oops
JDK-8298353	C2 fails with assert(opaqueOutcnt() == 1 && opaqueIn(1) == limit) failed
JDK-8298349	/usr/java/latest points to wrong JDK

OpenJDK Patch ID	Synopsis
JDK-8298341	Ensure heap growth in TestNativeMemoryUsageEvents.java
JDK-8298340	java/net/httpclient/CancelRequestTest.java fails with AssertionError: Found some subscribers for testPostInterrupt
JDK-8298339	Remove 8262762 related items in closed/test/ProblemList-UT.txt
JDK-8298330	/usr/java/latest is missing after one of JDK rpms is uninstalled
JDK-8298323	trivial typo in JOptionPane.OK_OPTION
JDK-8298303	(fs) temporarily remove Path.getExtension
JDK-8298301	C2: assert(main_cmpin(2)Opcode() == Op_Opaque1) failed: main loop has no opaque node?
JDK-8298296	gc/TestFullGCCCount.java fails with "System.gc collections miscounted."
JDK-8298277	Replace "session" with "scope" for FFM access
JDK-8298274	Problem list TestSPISigned on Windows
JDK-8298272	Clean up ProblemList
JDK-8298271	java/security/SignedJar/spi-calendar-provider/TestSPISigned.java failing on Windows
JDK-8298255	JFR provide information about dynamization of number of compiler threads
JDK-8298248	Limit sscanf output width in cgroup file parsers
JDK-8298225	[AIX] Disable PPC64LE continuations on AIX
JDK-8298222	ProblemList java/awt/Mixing/AWT_Mixing/ViewportOverlapping.java on windows-x64
JDK-8298221	Problem list gc/metaspaces/CompressedClassSpaceSizeInJmapHeap.java on macosx-aarch64
JDK-8298220	ProblemList java/awt/Mixing/AWT_Mixing/OpaqueOverlapping.java on windows-x64

OpenJDK Patch ID	Synopsis
JDK-8298218	ProblemList java/awt/Focus/NonFocusableWindowTest/NonfocusableOwnerTest.java on windows-x64
JDK-8298217	Regressions 30-110% in SwingMark on MacOS, more so on aarch64
JDK-8298215	gc/g1/TestVerifyGCType.java failed with "Missing expected verification pattern Verifying After GC for: Pause Young (Prepare Mixed): expected true, was false"
JDK-8298214	ProblemList java/util/concurrent/forkjoin/AsyncShutdownNow.java
JDK-8298205	Prefer Member Initialization Lists for JFR classes in os_perf.hpp
JDK-8298202	[AIX] Dead code elimination removed jfr constructor used by AIX
JDK-8298184	Incorrect record component type in record patterns
JDK-8298177	Various java.lang.invoke cleanups
JDK-8298176	remove OpaqueZeroTripGuardPostLoop once main-loop disappears
JDK-8298175	JFR: Common timestamp for periodic events
JDK-8298173	GarbageCollectionNotificationContentTest test failed: no decrease in Eden usage
JDK-8298171	Missing newline in the example output of -Xlog:help
JDK-8298169	Remove unused methods in space.hpp
JDK-8298162	Test PrintClasses hits assert when run with code that retransform classes
JDK-8298147	Clang warns about pointless comparisons
JDK-8298145	Remove ContiguousSpace::capacity
JDK-8298142	Update internal comment on language features in SourceVersion
JDK-8298133	JDK 20 RDP1 L10n resource files update - msgdrop 10
JDK-8298129	Let checkpoint event sizes grow beyond u4 limit
JDK-8298123	Problem List MaximizedToIconified.java on macOS
JDK-8298111	Cleanups after UseMallocOnly removal

OpenJDK Patch ID	Synopsis
JDK-8298108	Add a regression test for JDK-8297684
JDK-8298102	Remove DirtyCardToOopClosure::_last_explicit_min_done
JDK-8298099	[JVMCI] decouple libgraal from JVMCI module at runtime
JDK-8298084	Memory leak in Method::build_profiling_method_data
JDK-8298083	The "CheckBox/RadioButton[Enabled/Disabled].textForeground" stoped working
JDK-8298080	Update problemlisted test to correct platform
JDK-8298075	RISC-V: Implement post-call NOPs
JDK-8298072	ProblemList compiler/c1/TestPrintC1Statistics.java in Xcomp mode on linux-aarch64
JDK-8298071	ProblemList tests failing due to JDK-8298059
JDK-8298070	ProblemList jdk/internal/vm/Continuation/Fuzz.java#default with ZGC on X64
JDK-8298068	ProblemList tests failing due to JDK-8297235
JDK-8298067	Persistent test failures after 8296012
JDK-8298062	Increase hs-gc-tier8 Xcomp tasks timeout
JDK-8298061	vmTestbase/nsk/sysdict/vm/stress/btree/btree012/btree012.java failed with "fatal error: refcount has gone to zero"
JDK-8298059	Linked stack watermarks don't support nesting
JDK-8298057	(fs) Remove PollingWatchService.POLLING_INIT_DELAY
JDK-8298055	AArch64: fastdebug build fails after JDK-8247645
JDK-8298054	ProblemList jdk/jfr/api/consumer/recordingstream/TestStop.java
JDK-8298050	Add links to graph output for javadoc
JDK-8298043	jdk/jfr/api/consumer/recordingstream/TestStop.java failed with "Expected outer stream to have 3 events"
JDK-8298035	Provide better descriptions for JIT compiler JFR events

OpenJDK Patch ID	Synopsis
JDK-8298033	Character.codePoint{At Before}(char[], int, int) doesn't do JavaDoc-specified check
JDK-8298027	Remove SCCS id's from awt jtreg tests
JDK-8298003	NMT: fatal block printout does not show the correct corruption address
JDK-8297992	Tests fail after JDK-8297215 due to lack of @enablePreview
JDK-8297988	NPE in JavacTypes.getOverriddenMethods from doclint
JDK-8297982	Exclude vmTestbase/nsk/monitoring/stress/lowmem/ with ZGC until 8297979 is fixed
JDK-8297979	ZGC: Ensure consistent MemoryUsage from MemoryMXBean.getHeapMemoryUsage()
JDK-8297978	Exclude vmTestbase/nsk/stress/except/except012.java until 8297977 is fixed
JDK-8297976	Remove sun.net.ProgressMonitor and related classes
JDK-8297974	ClassCastException in com.sun.tools.javac.comp.AttrRecover.doRecovery
JDK-8297968	Crash in PrintOptoAssembly
JDK-8297964	Jetty.java fails "assert(!_no_handle_mark_nesting == 0) failed: allocating handle inside NoHandleMark"
JDK-8297959	Provide better descriptions for some Operating System JFR events
JDK-8297958	NMT: Display peak values
JDK-8297953	Fix several C2 IR matching tests for RISC-V
JDK-8297951	C2: Create skeleton predicates for all If nodes in loop predication
JDK-8297941	Add override modifier in space.hpp
JDK-8297934	[BACKOUT] Compiler should only use verified interface types for optimization
JDK-8297928	Update jdk.internal.javac.PreviewFeature.Feature to reflect JEP 432 and JEP 433

OpenJDK Patch ID	Synopsis
JDK-8297911	Memory leak in JfrUpcalls::on_retransform
JDK-8297875	jar should not compress the manifest directory entry
JDK-8297872	Non-local G1MonotonicArenaFreePool::_freelist_pool has non-trivial ctor/dtor
JDK-8297864	Dead code elimination
JDK-8297853	windows-x86 test build broken
JDK-8297852	Backout 8252584 for the time being
JDK-8297830	aarch64: Make Address a discriminated union internally
JDK-8297821	jdk/jshell/Test8294583.java fails on some platforms
JDK-8297804	(tz) Update Timezone Data to 2022g
JDK-8297802	display of @spec tags should mimic that of @see tags
JDK-8297794	Deprecate JMX Management Applets for Removal
JDK-8297784	Optimize @Stable field for Method.isCallerSensitive
JDK-8297780	Problem list java/awt/Frame/RestoreToOppositeScreen/RestoreToOppositeScreen.java
JDK-8297767	Assert JNCRITICAL_lock/safepoint-1 and AdapterHandlerLibrary_lock/safepoint-1
JDK-8297766	Remove UseMallocOnly development option
JDK-8297763	Fix missing stub code expansion before align() in shared trampolines
JDK-8297750	Unnecessary Vector usage in IIORegistry
JDK-8297749	Remove duplicate space in the ProtocolException message being thrown from HttpURLConnection
JDK-8297742	Combine vmTestbase/nsk/monitoring/ThreadMXBean/resetPeakThreadCount tests

OpenJDK Patch ID	Synopsis
JDK-8297740	runtime/ClassUnload/UnloadTest.java failed with "Test failed: should still be live"
JDK-8297736	test/jdk/java/foreign/TestMatrix.java is broken
JDK-8297733	Refactor Cast binding to enum
JDK-8297731	Remove redundant check in MutableBigInteger.divide
JDK-8297729	Replace GrowableArray in ComputeMoveOrder with hash table
JDK-8297728	Cache invocation type rather than invoker in NamedFunction
JDK-8297718	Make NMT freeing protocol more granular
JDK-8297717	Remove jdk/internal/misc/TerminatingThreadLocal/TestTerminatingThreadLocal.java from ProblemList
JDK-8297715	RISC-V: C2: Use single-bit instructions from the Zbs extension
JDK-8297697	RISC-V: Add support for SATP mode detection
JDK-8297695	Fix typos in test/langtools files
JDK-8297693	Fix typos in src/hotspot and test/hotspot files
JDK-8297689	Fix incorrect result of Short.reverseBytes() call in loops
JDK-8297687	new URI(S,S,S,S) throws exception with incorrect index position reported in the error message
JDK-8297686	JFR: Improve documentation of EventStream::onMetadata(Consumer)
JDK-8297685	Typo in NullPointerException description specified by Locale.lookup
JDK-8297683	Use enhanced-for cycle instead of Enumeration in java.security.jgss
JDK-8297681	Unnecessary color conversion during 4BYTE_ABGR_PRE to INT_ARGB_PRE blit
JDK-8297676	DataBuffer.TYPE_SHORT/TYPE_FLOAT/TYPE_DOUBLE are not placeholders
JDK-8297660	x86: Redundant test+jump in C1 allocateArray

OpenJDK Patch ID	Synopsis
JDK-8297645	Drop the test/jdk/java/net/httpclient/reactivestreams-tck-tests/TckDriver.java test
JDK-8297644	RISC-V: Compilation error when shenandoah is disabled
JDK-8297642	PhaseldealLoop::only_has_infinite_loops must detect all loops that never lead to termination
JDK-8297640	Increase buffer size for buf (insert_features_names) in Abstract_VM_Version::insert_features_names
JDK-8297609	Add application/wasm MIME type for wasm file extension
JDK-8297608	JFR: Incorrect duration after chunk rotation
JDK-8297606	[AIX] Broken build after JDK-8295475
JDK-8297602	Compiler crash with type annotation and generic record during pattern matching
JDK-8297600	Check current thread in selected JRT_LEAF methods
JDK-8297590	[TESTBUG] HotSpotResolvedJavaFieldTest does not run
JDK-8297584	G1 parallel phase event for scan heap roots is sent too often
JDK-8297570	jdk/jfr/threading/TestDeepVirtualStackTrace.java fails with -XX:-UseTLAB
JDK-8297569	URLPermission constructor throws IllegalArgumentException: Invalid characters in hostname after JDK-8294378
JDK-8297561	Redundant index check in String.offsetByCodePoints()
JDK-8297556	Parse::check_interpreter_type fails with assert "must constrain OSR tpestate"
JDK-8297549	RISC-V: Add support for Vector API vector load const operation
JDK-8297534	Specify the size of MEMFLAGS
JDK-8297533	ProblemList java/io/File/TempDirDoesNotExist.java test failing on windows-x64
JDK-8297530	java.lang.IllegalArgumentException: Negative length on strings concatenation

OpenJDK Patch ID	Synopsis
JDK-8297529	ProblemList javax/swing/JFileChooser/8046391/bug8046391.java on windows-x64
JDK-8297528	java/io/File/TempDirDoesNotExist.java test failing on windows-x64
JDK-8297525	jdk/jshell/ToolBasicTest.java fails after JDK-8295984
JDK-8297523	Various GetPrimitiveArrayCritical miss result - NULL check
JDK-8297519	Improve expressions and modernise code in PKCS
JDK-8297515	serialVersionUID fields are not annotated with @Serial
JDK-8297507	Update header after JDK-8297230
JDK-8297503	Merge FilteringDCTOC into ContiguousSpaceDCTOC
JDK-8297499	Parallel: Missing iteration over klass when marking objArrays/objArrayOops during Full GC
JDK-8297495	j.u.concurrent updates for JDK 20
JDK-8297491	Loom: Stack chunks allocation code uses TLABs even when TLABs are disabled
JDK-8297489	Modify TextAreaTextEventTest.java as to verify the content change of TextComponent sends TextEvent
JDK-8297481	Create a regression test for JDK-4424517
JDK-8297480	GetPrimitiveArrayCritical in imageioJPEG misses result - NULL check
JDK-8297476	Increase InlineSmallCode default from 1000 to 2500 for RISC-V
JDK-8297451	ProcessHandleImpl should assert privilege when modifying reaper thread
JDK-8297450	ScaledTextFieldBorderTest.java fails when run with -show parameter
JDK-8297449	Update JInternalFrame Metal Border code
JDK-8297445	PPC64: Represent Registers as values
JDK-8297435	Remove unused CompactibleSpaceClosure
JDK-8297431	[JVMCI] HotSpotJVMCIRuntime.encodeThrowable should not throw an exception

OpenJDK Patch ID	Synopsis
JDK-8297427	Avoid keeping class loaders alive when executing ClassLoaderStatsVMOperation
JDK-8297424	java/net/httpclient/AsyncExecutorShutdown.java fails in AssertionError due to misplaced assert
JDK-8297417	Poly1305IntrinsicFuzzTest fails with tag mismatch exception
JDK-8297408	Consolidate code in runtime/ErrorHandling
JDK-8297389	resexhausted003 fails with assert(!threadOwns_locks()) failed: must release all locks when leaving VM
JDK-8297385	Remove duplicated null typos in javadoc
JDK-8297384	Add IR tests for existing idealizations of arithmetic nodes
JDK-8297382	Test fails to compile after JDK-8288047
JDK-8297381	Add tier10 to HS atr
JDK-8297379	Enable the ByteBuffer path of Poly1305 optimizations
JDK-8297369	disable Fuzz.java in slowdebug mode
JDK-8297367	disable TestRedirectLinks.java in slowdebug mode
JDK-8297359	RISC-V: improve performance of floating Max Min intrinsics
JDK-8297349	Parallel: Use correct claim value for CLD oop iteration in PSScavengeCLDClosure
JDK-8297347	Problem list compiler/debug/TestStress*.java
JDK-8297343	TestStress*.java fail with "got different traces for the same seed"
JDK-8297338	JFR: RemoteRecordingStream doesn't respect setMaxAge and setMaxSize
JDK-8297333	Parallel: Remove unused methods in PCIterateMarkAndPushClosure
JDK-8297313	Refactor APIs for calculating address of CDS archive heap regions
JDK-8297311	Improve exception message thrown by java.net.HostPortrange::toLowerCase(String s)

OpenJDK Patch ID	Synopsis
JDK-8297310	Remove unimplemented HeapInspection::iterate_over_heap
JDK-8297309	Memory leak in ShenandoahFullGC
JDK-8297305	Clarify that javax.lang.model.util.Elements.overrides is irreflexive
JDK-8297303	ProblemList java/awt/Mouse/EnterExitEvents/DragWindowTest.java on macosx-all
JDK-8297301	Cleanup unused methods in JavaUtilJarAccess
JDK-8297299	SequenceInputStream should not use Vector
JDK-8297298	SequenceInputStream should override transferTo
JDK-8297294	compiler/c2/irTests/TestMulNodeIdealization.java failed compilation
JDK-8297293	Add java/nio/channels/FileChannel/FileExtensionAndMap.java to ProblemList
JDK-8297290	Use int indices to reference CDS archived primitive mirrors
JDK-8297289	problem list runtime/vthread/RedefineClass.java and TestObjectAllocationSampleEvent.java
JDK-8297288	Example code in Scanner class
JDK-8297285	Shenandoah pacing causes assertion failure during VM initialization
JDK-8297284	ResolutionErrorTable's key is wrong
JDK-8297276	Remove thread text from Subject.current
JDK-8297265	G1: Remove unnecessary null-check in RebuildCodeRootClosure::do_code_blob
JDK-8297264	C2: Cast node is not processed again in CCP and keeps a wrong too narrow type which is later replaced by top
JDK-8297258	Typo in <code>java -help</code> referencing -disable-@files instead of --disable-@files
JDK-8297255	Bad alignment check in MemorySegment.elements
JDK-8297247	Add GarbageCollectorMXBean for Remark and Cleanup pause time in G1

OpenJDK Patch ID	Synopsis
JDK-8297245	JFR: TestRemoteDump should use RemoteRecordingStream
JDK-8297242	Use-after-free during library unloading on Linux
JDK-8297241	Update sun/java2d/DirectX/OnScreenRenderingResizeTest/OnScreenRenderingR esizeTest.java
JDK-8297238	RISC-V: C2: Use Matcher::vector_element_basic_type when checking for vector element type in predicate
JDK-8297235	ZGC: assert(regs[i] != regs[j]) failed: Multiple uses of register: rax
JDK-8297230	Update Marlin2D to 0.9.4.6
JDK-8297217	Incorrect generation name in the heap verification log message with Serial GC
JDK-8297216	Search results omit some methods
JDK-8297215	Update libs tests to use @enablePreview
JDK-8297211	Expensive fillInStackTrace operation in URLConnection.getOutputStream0 when no content-length in response
JDK-8297210	Add a @sealedGraph tag to selected java.desktop classes
JDK-8297209	Serial: Refactor GenCollectedHeap::full_process_roots
JDK-8297201	Obsolete AliasLevel flag
JDK-8297200	java/net/httpclient/SpecialHeadersTest.java failed once in AssertionError due to selector thread remaining alive
JDK-8297195	AWTAccessor and SwingAccessor should avoid double racy reads from non-volatile fields
JDK-8297194	Add a @sealedGraph tag to Buffer
JDK-8297192	Warning generating API docs for javax.management.MBeanServer: overridden methods do not document exception type
JDK-8297186	G1 triggers unnecessary full GCs when heap utilization is low

OpenJDK Patch ID	Synopsis
JDK-8297184	Test runtime/ErrorHandling/TestSigInfolnHsErrFile.java is failing
JDK-8297173	usageTicks and totalTicks should be volatile to ensure that different threads get the latest ticks
JDK-8297172	Fix some issues of auto-vectorization of <code>Long.bitCount/numberOfTrailingZeros/numberOfLeadingZeros()</code>
JDK-8297170	misc JCK tests fail with "FATAL ERROR in native method: JDWP Can't disable vthread end events, jvmtiError=JVMTI_ERROR_WRONG_PHASE(112)"
JDK-8297168	Provide a bulk OopHandle release mechanism with the ServiceThread
JDK-8297164	Update troff man pages and CheckManPageOptions.java
JDK-8297161	Add additional Service Attributes to Standard Algorithm Names guide
JDK-8297154	Improve safepoint cleanup logging
JDK-8297153	sun/java2d/DirectX/OnScreenRenderingResizeTest/OnScreenRenderingResizeTest.java fails again
JDK-8297152	Add a @sealedGraph tag to ZoneId
JDK-8297150	Add a @sealedGraph tag to Reference
JDK-8297149	REDO JDK-8296889: Race condition when cancelling a request
JDK-8297148	Add a @sealedGraph tag to CallSite
JDK-8297147	UnexpectedSourceImageSize test times out on slow machines when fastdebug is used
JDK-8297145	Add a @sealedGraph tag to ConstantDesc
JDK-8297142	jdk/jfr/event/runtime/TestShutdown.java fails on Linux ppc64le and Linux aarch64
JDK-8297134	Add a @sealedGraph tag to InetAddress
JDK-8297132	BACKOUT JDK-8296889: Race condition when cancelling a request
JDK-8297129	Inflater documentation refers to 'deflate' methods

OpenJDK Patch ID	Synopsis
JDK-8297118	Change IncompatibleClassChangeError to MatchException for exhaustive switch statements and switch expressions
JDK-8297106	Remove the -Xcheck:jni local reference capacity checking
JDK-8297105	Switch to single ATR platforms definition for HS ATR
JDK-8297091	New langtools test jdk/javadoc/doclet/testValueTag/TestValueFormats.java fails on machines with unexpected number format
JDK-8297089	[BACKOUT] JDK-8297088 Update LCMS to 2.14
JDK-8297088	Update LCMS to 2.14
JDK-8297083	Remove vmTestbase/nsk/jvmti/GetAllThreads/allthr001 from problem list
JDK-8297082	Remove sun/tools/jhsdb/BasicLauncherTest.java from problem list
JDK-8297080	Remove com/sun/jdi/NashornPopFrameTest.java from the problem list
JDK-8297075	java/net/httpclient/CancelStreamedBodyTest.java fails with "java.lang.AssertionError: WARNING: tracker for HttpClientImpl(1) has outstanding operations"
JDK-8297074	Use enhanced-for cycle instead of Enumeration in javax.crypto
JDK-8297065	DerOutputStream operations should not throw IOExceptions
JDK-8297047	IGV: graphContent not set when opening a new tab
JDK-8297033	G1: Improve logging for Remembered Sets
JDK-8297032	IGV: shortcut to center selected nodes
JDK-8297030	Reduce Default Keep-Alive Timeout Value for httpclient
JDK-8297020	Rename GrowableArray::on_stack
JDK-8297007	IGV: Link/Unlink node selection of open tabs
JDK-8297006	JFR: AbstractEventStream should not hold thread instance
JDK-8296975	RISC-V: Enable UserRVA20U64 profile by default

OpenJDK Patch ID	Synopsis
JDK-8296970	Remove sysThreadAvailableStackWithSlack from hotspot-symbols
JDK-8296969	C1: PrintC1Statistics is broken after JDK-8292878
JDK-8296968	Update langtools tests to use @enablePreview
JDK-8296967	[JVMCI] rationalize relationship between getCodeSize and getCode in ResolvedJavaMethod
JDK-8296961	[JVMCI] Access to j.l.r.Method/Constructor/Field for ResolvedJavaMethod/ResolvedJavaField
JDK-8296960	[JVMCI] list HotSpotConstantPool.loadReferencedType to ConstantPool
JDK-8296958	[JVMCI] add API for retrieving ConstantValue attributes
JDK-8296957	One more cast in SAFE_SIZE_NEW_ARRAY2
JDK-8296956	[JVMCI] HotSpotResolvedJavaFieldImpl.getIndex returns wrong value
JDK-8296955	Kitchensink.java failed with "double free or corruption (!prev): <addr>"
JDK-8296954	G1: Enable parallel scanning for heap region remset
JDK-8296953	Fix a typo in exception documentation
JDK-8296951	11.1.2: assert statement should be recognized as causing an exception
JDK-8296945	PublicMethodsTest is slow due to dependency verification with debug builds
JDK-8296932	G1: Remove unused G1RootClosures::weak_oops
JDK-8296931	NMT tests slowed down considerably by JDK-8242181
JDK-8296926	Sort include lines of files in the include/ directory
JDK-8296924	C2: assert(is_valid_AArch64_address(dest.target())) failed: bad address
JDK-8296923	JFR: jfr --version should return System.getProperty("java version")
JDK-8296916	RISC-V: Move some small macro-assembler functions to header file
JDK-8296913	Correct enable preview idiom in JdbLastErrorTest.java
JDK-8296912	C2: CreateExNode::Identity fails with assert(i < _max) failed: oob: i=1, _max=1

OpenJDK Patch ID	Synopsis
JDK-8296910	Add EdDSA/XDH/RSASSA-PSS to KeyPairGeneratorBench.java
JDK-8296907	VMError: add optional callstacks, signinfo for secondary errors
JDK-8296906	VMError::controlled_crash crashes with wrong code and address
JDK-8296905	Replace the native LCMS#getProfileID() method with the accessor
JDK-8296901	Do not create unsigned certificate and CRL
JDK-8296900	CertificateValidity fields are not optional
JDK-8296896	Change virtual Thread.yield to use external submit
JDK-8296889	Race condition when cancelling a request
JDK-8296886	Fix various include sort order issues
JDK-8296878	Document Filter attached to JPasswordField and setText("") is not cleared instead inserted characters replaced with unicode null characters
JDK-8296875	Generational ZGC: Refactor loom code
JDK-8296846	Minor cleanup of some dead code in Flow.java
JDK-8296824	ProblemList compiler/jvmci/jdk.vm.ci.code.test/src/jdk/vm/ci/code/test/NativeCallTest.java
JDK-8296822	ProblemList jdk/jfr/api/consumer/TestRecordingFileWrite.java
JDK-8296821	compiler/jvmci/jdk.vm.ci.code.test/src/jdk/vm/ci/code/test/NativeCallTest.java fails after JDK-8262901
JDK-8296818	Enhance JMH tests java/security/Signatures.java
JDK-8296805	ctw build is broken
JDK-8296804	Document HttpClient configuration properties in java.net.http module-info
JDK-8296802	Parse errors when deconstructing a record using the enhanced for loop of JEP 432
JDK-8296797	java/nio/channels/vthread/BlockingChannelOps.testSocketChannelWriteAsyncClose failed with ClosedChannelException

OpenJDK Patch ID	Synopsis
JDK-8296796	Provide clean, platform-agnostic interface to C-heap trimming
JDK-8296786	Limit VM modes for com/sun/jdi/JdbLastErrorTest.java
JDK-8296785	Use realloc for CHeap-allocated BitMaps
JDK-8296784	Provide clean mallinfo/mallinfo2 wrapper for Linux glibc platforms
JDK-8296776	Stop using mtNone as marker for CHeap allocations in GrowableArray
JDK-8296774	Removed default MEMFLAGS value from CHeapBitMap
JDK-8296773	G1: Factor out hash function for G1CardSet
JDK-8296771	RISC-V: C2: assert(false) failed: bad AD file
JDK-8296768	Use different explicit claim marks for CLDs in Parallel and Serial GC
JDK-8296764	NMT: reduce loads in os::malloc
JDK-8296754	AutoCreateSharedArchive in JDK 20 is not compatible with JDK 19
JDK-8296747	com/sun/net/httpserver/simpleserver/StressDirListings.java timed out
JDK-8296743	Tighten Class.getModifiers spec for array classes
JDK-8296742	Illegal X509 Extension should not be created
JDK-8296741	Illegal X400Address and EDIPartyName should not be created
JDK-8296736	Some PKCS9Attribute can be created but cannot be encoded
JDK-8296733	JFR: File Read event for RandomAccessFile::write(byte[]) is incorrect
JDK-8296718	Refactor bootstrap Test Common Functionalities to test/lib/Utils
JDK-8296715	CLDR v42 update for tzdata 2022f
JDK-8296709	WARNING: JNI call made without checking exceptions
JDK-8296675	Exclude linux-aarch64 in NSS tests
JDK-8296672	Implementation of Virtual Threads (Second Preview)
JDK-8296671	[JFR] jdk.ContainerConfiguration event should include host total memory
JDK-8296670	G1: Remove unused G1GCPhaseTimes::record_preserve_cm_referents_time_ms

OpenJDK Patch ID	Synopsis
JDK-8296665	IGV: Show dialog with stack trace for exceptions
JDK-8296660	Swing HTML table with omitted closing tags misparsed
JDK-8296645	org.openjdk.bench.javax.tools.Javac leaves class files in current directory
JDK-8296638	RISC-V: NegVI node emits wrong code when vector element basic type is T_BYTE/T_SHORT
JDK-8296632	Write a test to verify the content change of TextArea sends TextEvent
JDK-8296630	Fix SkiplfEqual on AArch64 and RISC-V
JDK-8296619	Upgrade jQuery to 3.6.1
JDK-8296615	use of undeclared identifier 'IPV6_DONTFRAG'
JDK-8296612	CertAttrSet is useless
JDK-8296611	Problemist several sun/security tests until JDK-8295343 is resolved
JDK-8296602	RISC-V: improve performance of copy_memory stub
JDK-8296591	Signature benchmark
JDK-8296548	Improve MD5 intrinsic for x86_64
JDK-8296545	C2 Blackholes should allow load optimizations
JDK-8296515	RISC-V: Small refactoring for MaxReductionV/MinReductionV/AddReductionV node implementation
JDK-8296507	GCM using more memory than necessary with in-place operations
JDK-8296504	Memory leak in G1PLABAllocator::PLABData
JDK-8296496	Overzealous check in sizelcalc.h prevents large memory allocation
JDK-8296492	Remove ObjectLocker in JVMTI get_subgroups call
JDK-8296489	tools/jpackage/windows/WinL10nTest.java fails with timeout
JDK-8296485	BuildEEBasicConstraints.java test fails with SunCertPathBuilderException
JDK-8296480	java/security/cert/pkix/policyChanges/TestPolicy.java is failing
JDK-8296477	Foreign linker implementation update following JEP 434

OpenJDK Patch ID	Synopsis
JDK-8296472	Remove ObjectLocker around appendToClassPathForInstrumentation call
JDK-8296470	Refactor VMError::report STEP macro to improve readability
JDK-8296463	Memory leak in JVM_StartThread with the integration of Virtual threads
JDK-8296453	Simplify resource_area uses in ClassPathDirEntry::open_stream
JDK-8296448	RISC-V: Fix temp usages of heapbase register killed by MacroAssembler::en/decode_klass_not_null
JDK-8296447	RISC-V: Make the operands order of vrsub_vx/vrsub_vi consistent with RVV 1.0 spec
JDK-8296445	C++ syntax error in jdwpTransport.h
JDK-8296443	NMT: Remove cmdline_tracking_level handling code
JDK-8296442	EncryptedPrivateKeyInfo can be created with an uninitialized AlgorithmParameters
JDK-8296437	NMT incurs costs if disabled
JDK-8296435	RISC-V: Small refactoring for increment/decrement
JDK-8296433	Encountered null CLD while loading shared lambda proxy class
JDK-8296431	PushbackInputStream should override transferTo
JDK-8296429	Remove os::supports_sse
JDK-8296426	x86: Narrow UseAVX and UseSSE flags
JDK-8296419	[REDO] JDK-8295319: pending_cards_at_gc_start doesn't include cards in thread buffers
JDK-8296414	[BACKOUT] JDK-8295319: pending_cards_at_gc_start doesn't include cards in thread buffers
JDK-8296406	ChainingConstructors jtreg test reduce code duplication
JDK-8296405	java/util/concurrent/forkjoin/AsyncShutdownNow.java is too slow
JDK-8296399	crlNumExtVal might be null inside X509CRLSelector::match
JDK-8296390	Incremental build failed with a NPE

OpenJDK Patch ID	Synopsis
JDK-8296384	[TESTBUG] sun/security/provider/SecureRandom/AbstractDrbg/SpecTest.java intermittently timeout
JDK-8296380	IGV: Shortcut for quick search not working
JDK-8296349	[aarch64] Avoid slicing Address::extend
JDK-8296347	Memory leak from ClassPathDirEntry::_dir
JDK-8296337	CDS SharedArchiveConsistency tests fail after JDK-8296157
JDK-8296335	Fix accessibility manual test instruction
JDK-8296329	jar validator doesn't account for minor class file version
JDK-8296324	JVMTI GetStackTrace truncates vthread stack trace for agents loaded into running VM
JDK-8296323	JVMTI can_support_virtual_threads not available for agents loaded into running VM
JDK-8296305	Remove unimplemented deoptimized_wrt_marked_nmethods
JDK-8296301	Interpreter(RISC-V): Implement -XX:+PrintBytecodeHistogram and -XX:+PrintBytecodePairHistogram options
JDK-8296292	Document the default behavior of '\$' in regular expressions correctly
JDK-8296287	Improve documentation for Types.directSupertypes()
JDK-8296285	test/hotspot/jtreg/compiler/intrinsics/TestFloatIsFinite.java fails after JDK-8280378
JDK-8296270	Memory leak in ClassLoader::setup_bootstrap_search_path_impl
JDK-8296265	Use modern HTML in the JVMTI spec
JDK-8296262	Remove dead code from InstanceKlass::signature_name()
JDK-8296243	[IR Framework] Fix issues with IRNode.ALLOC* regexes
JDK-8296239	ISO 4217 Amendment 174 Update
JDK-8296235	IGV: Change shortcut to delete graph from ctrl+del to del

OpenJDK Patch ID	Synopsis
JDK-8296231	Fix MEMFLAGS for CHeapBitMaps
JDK-8296229	JFR: jfr tool should print unsigned values correctly
JDK-8296226	Add constructors (String,Throwable) and (Throwable) to InvalidParameterException
JDK-8296224	G1: Remove unnecessary update in VM_G1CollectForAllocation
JDK-8296222	SwingEventManager - installListeners(Component , int) - CELLEDITOR - bug
JDK-8296208	AArch64: Enable SHA512 intrinsic by default on supported hardware
JDK-8296198	JFileChooser throws InternalError java.lang.InternalError with Windows shortcuts
JDK-8296196	Class.getEnumConstants() throws undocumented ClassCastException and NullPointerException
JDK-8296190	TestMD5Intrinsics and TestMD5MultiBlockIntrinsics don't test the intrinsics
JDK-8296171	Compiler incorrectly rejects code with variadic method references
JDK-8296170	Refactor stack-locking path in C2_MacroAssembler::fast_unlock()
JDK-8296168	x86: Add reasonable constraints between AVX and SSE
JDK-8296167	test/langtools/tools/jdeps/jdkinternals/ShowReplacement.java failing after JDK-8296072
JDK-8296163	[aarch64] Cleanup Pre/Post addressing mode classes
JDK-8296162	[aarch64] Remove unused Address::_is_lval
JDK-8296161	[aarch64] Remove unused "pcrel" addressing mode tag
JDK-8296157	Rename FileMapInfo::space_at() to region_at()
JDK-8296156	[macos] Resize DMG windows and background to fit additional DMG contents
JDK-8296154	[macos] Change "/Applications" to "Applications" in DMG image
JDK-8296143	CertAttrSet's set/get mechanism is not type-safe

OpenJDK Patch ID	Synopsis
JDK-8296142	CertAttrSet::getName
getElements	delete) are mostly useless
JDK-8296140	Drop unused field java.util.Calendar.DATE_MASK
JDK-8296139	Make GrowableBitMap the base class of all implementations
JDK-8296137	diags-examples.xml is broken
JDK-8296136	Use correct register in aarch64_enc_fast_unlock()
JDK-8296130	G1: Remove G1YoungCollector::_target_pause_time_ms
JDK-8296108	(tz) Update Timezone Data to 2022f
JDK-8296101	nmethod::is_unloading result unstable with concurrent unloading
JDK-8296089	Remove debug agent code for special handling of Thread.resume()
JDK-8296087	Problem list headful tests which may fail on Linux VMs
JDK-8296084	javax/swing/JSpinner/4788637/bug4788637.java fails intermittently on a VM
JDK-8296083	javax/swing/JTree/6263446/bug6263446.java fails intermittently on a VM
JDK-8296072	CertAttrSet::encode and DerEncoder::derEncode should write into DerOutputStream
JDK-8296030	compiler/c2/irTests/TestVectorizeTypeConversion.java fails with release VMs after JDK-8291781
JDK-8296024	Usage of DirectBuffer::address should be guarded
JDK-8296012	jshell crashes on mismatched record pattern
JDK-8296007	crash in runtime/DefineClass/NullClassBytesTest.java
JDK-8295994	Remove left over InetAddressContainer class
JDK-8295993	use K instead of 1024 in a couple of hotspot outputs
JDK-8295991	java/net/httpclient/CancelRequestTest.java fails intermittently
JDK-8295984	Remove unexpected JShell feature

OpenJDK Patch ID	Synopsis
JDK-8295968	RISC-V: Rename some assembler intrinsic functions for RVV 1.0
JDK-8295967	RISC-V: Support negVI/negVL instructions for Vector API
JDK-8295964	Move InstanceKlass::_misc_flags
JDK-8295953	Use enhanced-for cycle instead of Enumeration in sun.security
JDK-8295952	ProblemList existing compiler/rtm tests also on x86
JDK-8295948	Support for Zicbop/prefetch instructions on RISC-V
JDK-8295934	IGV: keep node selection when changing view or graph
JDK-8295926	RISC-V: C1: Fix LIRGenerator::do_LibmIntrinsic
JDK-8295923	java.lang.AssertionError: E.value - compiler crashes when using Type parameter with enhanced switch
JDK-8295895	build error after JDK-8279366
JDK-8295893	Improve printing of Constant Pool Cache Entries
JDK-8295889	NMT preinit code does not handle allocation errors
JDK-8295879	JFR: Remove warnings in the jdk.jfr module
JDK-8295872	[PPC64] JfrGetCallTrace: Need pc == nullptr check before frame constructor
JDK-8295871	G1: Use different explicit claim marks for CLDs
JDK-8295867	TestVerifyGraphEdges.java fails with exit code -1073741571 when using AlwaysIncrementalInline
JDK-8295865	Several issues with os::realloc
JDK-8295863	JFR: Use expected size for Maps and Sets
JDK-8295861	get rid of list argument in debug agent's removeNode() API
JDK-8295857	Clarify that cleanup code can be skipped when the JVM terminates (e.g. when calling halt())
JDK-8295855	ProblemList jdk/jshell/CommandCompletionTest.java on linux-all
JDK-8295849	Consolidate Threads::owning_thread*

OpenJDK Patch ID	Synopsis
JDK-8295844	jdk/test/whitebox/CPUInfoTest.java failed with "not all features are known: expected true, was false"
JDK-8295839	G1: Single threaded phases (within parallel phases) report as using multiple threads in logs
JDK-8295838	Document why we do not print Code Cache Roots phase in G1 logging
JDK-8295823	Use enhanced-for cycle instead of Enumeration in java.naming
JDK-8295816	jdwp jck tests failing with "FATAL ERROR in native method: JDWP SetTag, jvmtiError=JVMTI_ERROR_WRONG_PHASE(112)"
JDK-8295815	misc JDI tests failed with "JDWP exit error JVMTI_ERROR_WRONG_PHASE(112)"
JDK-8295814	jdk/jshell/CommandCompletionTest.java fails with "lists don't have the same size expected [2] but found [1]"
JDK-8295812	Skip the "half float" support in LittleCMS during the build
JDK-8295811	serviceability/sa/TestObjectAlignment.java fails on x86_32
JDK-8295810	cleanup debug agent removeThread() api
JDK-8295808	GrowableArray should support capacity management
JDK-8295807	9.7.4: No "closest" type for 'var' lambda parameter
JDK-8295803	Console should be usable in jshell and other environments
JDK-8295798	(ch) Test java/nio/channels/Channels/ReadXBytes.java is very slow on Windows
JDK-8295792	Clean up old async close code
JDK-8295788	C2 compilation hits "assert((mode == ControlAroundStripMined && use == sfpt)
	!use.is_reachable_from_root()) failed: missed a node"
JDK-8295777	java/net/httpclient/ConnectExceptionTest.java should not rely on system resolver
JDK-8295776	[JVMCI] Add x86 CPU flags for MPK and CET

OpenJDK Patch ID	Synopsis
JDK-8295774	Write a test to verify List sends ItemEvent/ActionEvent
JDK-8295772	Issue with MemoryAddress.setUtf8String
JDK-8295767	Remove unused fields in sun.awt.geom.Edge
JDK-8295762	[Vector API] Update generate_iota_indices for x86_32 after JDK-8293409
JDK-8295753	(fs) UnixPath::toRealPath does not return correct case when links not followed
JDK-8295738	Automate javax/swing/JFileChooser/FileSizeCheck.java
JDK-8295732	Directly embed TruncatedSeqs in G1Analytics
JDK-8295724	VirtualMachineError: Out of space in CodeCache for method handle intrinsic
JDK-8295713	runtime/ParallelLoad/SuperWait/SuperWaitTest.java fails intermittently on Windows
JDK-8295711	Rename ZBarrierSetAssembler::load_at parameter name from "tmp_thread" to "tmp2"
JDK-8295710	remove os::dll_file_extension
JDK-8295709	Linux AArch64 builds broken after JDK-8294438
JDK-8295703	RISC-V: Remove implicit noreg temp register arguments in MacroAssembler
JDK-8295698	AArch64: test/jdk/sun/security/ec/ed/EdDSATest.java failed with -XX:+UseSHA3Intrinsics
JDK-8295697	Resolve conflicts between serviceability/jvmti and nsk/jvmti shared code
JDK-8295685	Update Libpng to 1.6.38
JDK-8295673	Deprecate and disable legacy parallel class loading workaround for non-parallel-capable class loaders
JDK-8295670	Remove duplication in java/util/Formatter/Basic*.java
JDK-8295668	validate-source failure after JDK-8290011
JDK-8295666	Linux x86 build fails after 8292591

OpenJDK Patch ID	Synopsis
JDK-8295662	jdk/incubator/vector tests fail "assert(VM_Version::supports_avx512vlbw()) failed"
JDK-8295658	G1: Refactor G1SegmentedArray to indicate that it is an allocator
JDK-8295657	SA: Allow larger object alignments
JDK-8295653	Add a graph of the sealed class hierarchy for marked classes
JDK-8295650	JFR: jfr scrub should warn if an event type doesn't exist
JDK-8295646	Ignore zero pairs in address descriptors read by dwarf parser
JDK-8295564	Norwegian Nynorsk Locale is missing formatting
JDK-8295554	Move the "sizecalc.h" to the correct location
JDK-8295537	Enhance TRACE_METHOD_LINKAGE to show the target MethodHandle
JDK-8295530	Update Zlib Data Compression Library to Version 1.2.13
JDK-8295517	Fix stutter typo in JDK-8294539
JDK-8295476	Split G1 cost per byte predictor on gc phase
JDK-8295475	Move non-resource allocation strategies out of ResourceObj
JDK-8295469	S390X: Optimized builds are broken
JDK-8295468	RISC-V: Minimal builds are broken
JDK-8295461	IGV: Wrong src/dest nodes highlighted for edge
JDK-8295457	Make the signatures of write barrier methods consistent
JDK-8295456	(ch) sun.nio.ch.Util::checkBufferPositionAligned gives misleading/incorrect error
JDK-8295447	NullPointerException with invalid pattern matching construct in constructor call
JDK-8295433	EpsilonHeap doesn't need to override post_initialize()
JDK-8295430	Use cmsDoTransformLineStride instead of cmsDoTransform in the loop
JDK-8295429	Update harfbuzz md file
JDK-8295427	popframe004: report more details on error

OpenJDK Patch ID	Synopsis
JDK-8295424	adjust timeout for another JLI GetObjectSizeIntrinsicsTest.java subtest
JDK-8295419	JFR: Change name of jdk.JitRestart
JDK-8295414	[Aarch64] C2: assert(false) failed: bad AD file
JDK-8295413	com/sun/jdi/EATests.java fails with compiler flag -XX:+StressReflectiveCode
JDK-8295412	support latest VS2022 MSC_VER in abstract_vm_version.cpp
JDK-8295407	C2 crash: Error: ShouldNotReachHere() in multiple vector tests with -XX: -MonomorphicArrayCheck -XX:-UncommonNullCast
JDK-8295405	Add cause in a couple of IllegalArgumentException and InvalidParameterException shown by sun/security/pkcs11 tests
JDK-8295402	G1: Tighten assertion in G1ScanHRForRegionClosure::scan_heap_roots
JDK-8295401	Error recovery in module-info.java could be improved
JDK-8295396	RISC-V: Cleanup useless CompressibleRegions
JDK-8295395	Linux Alpha Zero builds fail after JDK-8292591
JDK-8295380	ProblemList gc/cslocker/TestCSLocker.java in Xcomp mode on x64
JDK-8295379	ProblemList java/lang/Float/Binary16Conversion.java in Xcomp mode on x64
JDK-8295376	Improve debug agent virtual thread performance when no debugger is attached
JDK-8295375	debug agent class tracking should not piggy back on the cbClassPrepare() callback
JDK-8295372	CompactNumberFormat handling of number one with decimal part
JDK-8295370	Update java.io.ObjectStreamField to use Class.descriptorString
JDK-8295369	[Attempted] Update LCMS to 2.14
JDK-8295354	Remove G1 incremental non-copy time calculation
JDK-8295351	java/lang/Float/Binary16Conversion.java fails with "Unexpected result of converting"

OpenJDK Patch ID	Synopsis
JDK-8295350	JFR: Add stop methods for recording streams
JDK-8295333	G1: Remove unnecessary check in G1Policy::calculate_desired_eden_length_by_mmu
JDK-8295325	tools/jlink/plugins/SaveJlinkArgfilesPluginTest.java fails on Linux ppc64le
JDK-8295323	Unnecessary HashTable usage in StyleSheet
JDK-8295320	[BACKOUT] 8276687 Remove support for JDK 1.4.1 PerfData shared memory files
JDK-8295319	pending_cards_at_gc_start doesn't include cards in thread buffers
JDK-8295315	[REDO] 8276687 Remove support for JDK 1.4.1 PerfData shared memory files
JDK-8295303	cleanup debug agent's confusing use of EI_GC_FINISH
JDK-8295302	Do not use ArrayList when LambdaForm has a single ClassData
JDK-8295301	Problem list TrayIcon tests that fail on Ubuntu 22.04
JDK-8295298	Automate javax/swing/JFileChooser/FileViewNPETest.java
JDK-8295295	CDS ArchivedEnumTest fails with StaticProperty::JAVA_LOCALE_USE_OLD_ISO_CODES
JDK-8295294	Misc cleanups in runtime/InvocationTests
JDK-8295288	Some vm_flags tests associate with a wrong BugID
JDK-8295282	Use Zicboz/cbo.zero to zero-out memory on RISC-V
JDK-8295278	Add parallel class loading tests
JDK-8295277	Expand {@inheritDoc} in @throws fully
JDK-8295276	AArch64: Add backend support for half float conversion intrinsics
JDK-8295274	HelidonAppTest.java fails "assert(event.should_commit()) failed: invariant" from compiled frame"
JDK-8295273	Remove unused argument in [load/store]_sized_value on aarch64 and riscv

OpenJDK Patch ID	Synopsis
JDK-8295270	RISC-V: Clean up and refactoring for assembler functions
JDK-8295268	Optimized builds are broken due to incorrect assert_is_rfp shortcuts
JDK-8295267	Improve G1 scan to merge ratio calculation
JDK-8295264	Fix PaX check on RISC-V
JDK-8295261	RISC-V: Support ReductionV instructions for Vector API
JDK-8295258	Add BasicType argument to AccessInternal::decorator_fixup
JDK-8295257	Remove implicit noreg temp register arguments in aarch64 MacroAssembler
JDK-8295253	Remove kludge from v1_0/PerfDataBuffer.java
JDK-8295239	Refactor java/util/Formatter/Basic script into a Java native test launcher
JDK-8295232	"java.locale.useOldISOCodes" property is read lazily
JDK-8295225	[JVMCI] codeStart should be cleared when entryPoint is cleared
JDK-8295223	JFR: At most one native periodic event thread at a time
JDK-8295218	New KeepAliveTest.java has invalid copyright notice
JDK-8295214	Generational ZGC: Guard nmethods from cross modifying code
JDK-8295212	G1: Add wrapper for TruncatedSeqs that need separation by gc phase
JDK-8295184	Printing messages with a RecordComponentElement does not include position
JDK-8295176	some langtools test pollutes source tree
JDK-8295173	(tz) Update Timezone Data to 2022e
JDK-8295168	Remove superfluous period in @throws tag description
JDK-8295158	G1: Increase card-based cost sample reporting threshold
JDK-8295156	G1: Improve constant other time calculation
JDK-8295155	Incorrect javadoc of java.base module
JDK-8295154	Documentation for RemoteExecutionControl.invoke(Method) inherits non-existent documentation

OpenJDK Patch ID	Synopsis
JDK-8295149	Misnomer for_young_gc instead of for_young_only_phase in G1Analytics
JDK-8295125	os::signal should be os specific
JDK-8295124	Atomic::add to pointer type may return wrong value
JDK-8295118	G1: Clear CLD claim marks concurrently
JDK-8295116	C2: assert(dead->outcnt() == 0 && !dead->is_top()) failed: node must be dead
JDK-8295110	RISC-V: Mark out relocations as incompressible
JDK-8295102	Always load @lambda-form-invoker lines from default classlist
JDK-8295099	vmTestbase/nsk/stress/strace/strace013.java failed with "TestFailure: wrong lengths of stack traces: strace013Thread0: NNN strace013Thread83: MMM"
JDK-8295088	Update External Spec page to show tabs for hosts
JDK-8295073	JLS changes for Record Patterns (Second Preview)
JDK-8295072	JLS changes for Pattern Matching for switch (Fourth Preview)
JDK-8295069	[PPC64] Performance regression after JDK-8290025
JDK-8295066	Folding of loads is broken in C2 after JDK-8242115
JDK-8295044	Implementation of Foreign Function and Memory API (Second Preview)
JDK-8295029	runtime/cds/appcads/LotsOfClasses.java fail with jfx
JDK-8295026	Remove unused fields in StyleSheet
JDK-8295025	(bf) ByteBuffer "Access to binary data" section suggests putFloat is void
JDK-8295024	Cyclic constructor error is non-deterministic and inconsistent
JDK-8295023	Interpreter(AArch64): Implement -XX:+PrintBytecodeHistogram and -XX:+PrintBytecodePairHistogram options
JDK-8295020	javac emits incorrect code for for-each on an intersection type.
JDK-8295017	Remove Windows specific workaround in JLI_Snprintf
JDK-8295016	Make the arraycopy_epilogue signature consistent with its usage

OpenJDK Patch ID	Synopsis
JDK-8295014	Remove unnecessary explicit casts to void* in CHeapObjBase
JDK-8295013	OopStorage should derive from CHeapObjBase
JDK-8295012	Arena should not derive from CHeapObj<mtNone>
JDK-8295011	EC point multiplication improvement for secp256r1
JDK-8295010	Reduce if required in EC limbs operations
JDK-8295009	RISC-V: Interpreter intrinsify Thread.currentThread()
JDK-8295007	javax/swing/JRadioButton/4314194/bug4314194.java fails in mach5 for WindowLookAndFeel
JDK-8295006	Colored text is not shown on disabled checkbox and radio button with GTK LAF for bug4314194.
JDK-8295005	compiler/loopopts/TestRemoveEmptyLoop.java fails with release VMs after JDK-8294839
JDK-8295003	Do not mention applets in the "java.awt.color" package
JDK-8295000	java/util/Formatter/Basic test cleanup
JDK-8294997	Improve ECC math operations
JDK-8294994	Update Jarsigner and Keytool i18n tests to validate i18n compliance
JDK-8294993	LingeredApp test update
JDK-8294989	ResourceBundle naming convention issue in JdbcRowSetResourceBundle.java
JDK-8294987	Streamline DerOutputStream write
JDK-8294958	java/net/httpclient/ConnectTimeout tests are slow
JDK-8294950	print_sys_devices_cpu_info doesn't use the provided buffer
JDK-8294948	Document IllegalArgumentException and NullPointerException thrown by URLStreamHandler::parseURL and URLStreamHandler::setURL
JDK-8294947	Use 64bit atomics in patch_verified_entry on x86_64

OpenJDK Patch ID	Synopsis
JDK-8294945	Compiler implementation for Pattern Matching for switch (Fourth Preview)
JDK-8294943	Implement record patterns in enhanced for
JDK-8294942	Compiler implementation for Record Patterns (Second Preview)
JDK-8294931	JFR: Simplify SettingInfo
JDK-8294924	JvmtiExport::post_exception_throw() doesn't deal well with concurrent stack processing
JDK-8294920	Missing SP value in Linux x86_32 thread context
JDK-8294916	Cancelling a request must eventually cause its response body subscriber to be unregistered
JDK-8294907	Remove unused NativeLookup::dll_load
JDK-8294906	Memory leak in PKCS11 NSS TLS server
JDK-8294902	Undefined Behavior in C2 regalloc with null references
JDK-8294901	remove pre-VS2017 checks in Windows related coding
JDK-8294900	Refactor ZObjArrayAllocator
JDK-8294899	Process.waitFor() throws IllegalThreadStateException when a process on Windows returns an exit code of 259
JDK-8294881	test/hotspot/jtreg/vmTestbase/nsk/jdi/VirtualMachine/dispose/dispose003/TestDescription.java fails
JDK-8294869	Correct failure of RemovedJDKInternals.java after JDK-8294618
JDK-8294865	x86: Improve the code generation of MulVB and MulVL
JDK-8294858	XMLStreamReader does not respect jdk.xml.maxXMLNameLimit=0 for namespace names
JDK-8294850	Make rs length/pending card predictors dependent on gc phase
JDK-8294848	Unnecessary SSLCipher dispose implementations
JDK-8294847	Fix calculation of G1 effective scanned cards prediction

OpenJDK Patch ID	Synopsis
JDK-8294845	Make globals accessed by G1 young gen revising atomic
JDK-8294844	Improve G1 young gen length revise trigger
JDK-8294842	Pass actual pending cards to G1Policy::update_young_length_bounds during young gen revise
JDK-8294841	G1: Refactor predict_base_elapsed_time_ms
JDK-8294840	langtools OptionalDependencyTest.java use File.pathSeparator
JDK-8294839	Disable StressLongCountedLoop in compiler/loopopts/TestRemoveEmptyLoop.java
JDK-8294837	unify Windows 2019 version check in os_windows and java_props_md
JDK-8294821	Class load improvement for AES crypto engine
JDK-8294816	C2: Math.min/max vectorization miscompilation
JDK-8294775	Shenandoah: reduce contention on _threads_in_evac
JDK-8294772	Remove workaround in os::dll_address_to_library_name
JDK-8294759	Print actual lock/monitor ranking
JDK-8294758	JFR: Docs build fails after changes to RecordedObject and Timespan
JDK-8294752	G1: Remove redundant checks in check_obj_during_refinement
JDK-8294751	Zero: Allow larger default heaps
JDK-8294744	AArch64: applications/kitchensink/Kitchensink.java crashed: assert(oopDesc::is_oop(obj)) failed: not an oop
JDK-8294740	Add cgroups keyword to TestDockerBasic.java
JDK-8294739	jdk/jshell/ToolShiftTabTest.java timed out
JDK-8294734	Redundant override in AES implementation
JDK-8294731	Improve multiplicative inverse for secp256r1 implementation
JDK-8294730	Add @throws and @implNote clauses to BigInteger::isProbablePrime and BigInteger::nextProbablePrime
JDK-8294729	[s390] Implement nmethod entry barriers

OpenJDK Patch ID	Synopsis
JDK-8294726	Update URLs in minefield tests
JDK-8294717	(bf) DirectByteBuffer constructor will leak if allocating Deallocator or Cleaner fails with OOME
JDK-8294712	G1: Use index-base iteration for G1FlushHumongousCandidateRemSets
JDK-8294705	Disable an assertion in test/jdk/java/util/DoubleStreamSums/CompensatedSums.java
JDK-8294702	BufferedInputStream uses undefined value range for markpos
JDK-8294698	Remove unused 'checkedExceptions' param from MethodAccessorGenerator.generateMethod()
JDK-8294697	java/lang/Thread/virtual/ThreadAPI.testGetStackTrace2 failed with non-empty stack trace
JDK-8294696	BufferedInputStream.transferTo should drain buffer when mark set
JDK-8294695	Remove redundant deprecation suppression in ThreadGroup
JDK-8294691	dynamicArchive/RelativePath.java is running other test case
JDK-8294689	The SA transported_core.html file needs quite a bit of work
JDK-8294679	RISC-V: Misc crash dump improvements
JDK-8294676	[JVMCI] InstalledCode.deoptimize(false) should not touch address field
JDK-8294673	JFR: Add SecurityProviderService#threshold to TestActiveSettingEvent.java
JDK-8294672	Typo in description of JDWP VirtualMachine/AllThreads command
JDK-8294671	Remove unused CardValues::last_card
JDK-8294670	Enhanced switch statements have an implicit default which does not complete normally
JDK-8294626	Improve URL protocol lower casing
JDK-8294618	Update openjdk.java.net → openjdk.org
JDK-8294610	java/net/vthread/HttpALot.java is slow on Linux

OpenJDK Patch ID	Synopsis
JDK-8294609	C2: Improve inlining of methods with unloaded signature classes
JDK-8294608	Remove redundant unchecked suppression in FileDescriptor
JDK-8294595	Add javax/swing/plaf/aqua/CustomComboBoxFocusTest.java to problem list
JDK-8294594	Fix cast-function-type warnings in signal handling code
JDK-8294593	Check the size of the target on invocations of BigInteger::isProbablePrime
JDK-8294591	Fix cast-function-type warning in TemplateTable
JDK-8294588	Auto vectorize half precision floating point conversion APIs
JDK-8294583	JShell: NPE in switch with non existing record pattern
JDK-8294580	frame::interpreter_frame_print_on() crashes if free BasicObjectLock exists in frame
JDK-8294578	[PPC64] C2: Missing is_oop information when using disjoint compressed oops mode
JDK-8294569	Remove CardTable::_last_valid_index
JDK-8294567	IGV: IllegalStateException in search
JDK-8294565	IGV: ClassCastException when clicking on an edge in the graph
JDK-8294564	IGV: IllegalArgumentException for "Difference to current graph"
JDK-8294551	Put java/io/BufferedInputStream/TransferTo.java on problem list
JDK-8294550	Sealed check for casts isn't applied to array components
JDK-8294548	Problem list SA core file tests on macosx-x64 due to JDK-8294316
JDK-8294547	HotSpotAgent.setupVM() should include "cause" exception when throwing DebuggerException
JDK-8294546	document where javac differs when invoked via launcher and ToolProvider
JDK-8294541	java/io/BufferedInputStream/TransferTo.java fails with OOME
JDK-8294540	Remove Opaque2Node: it is broken and triggers assert

OpenJDK Patch ID	Synopsis
JDK-8294539	Augment discussion of equivalence relations on floating-point values
JDK-8294538	missing is_unloading() check in SharedRuntime::fixup_callers_callsite()
JDK-8294536	Update troff form of man page for new --spec-base-url option
JDK-8294533	Documentation mistake in Process::getErrorStream and getInputStream
JDK-8294529	IGV: Highlight the current graphs in the Outline
JDK-8294521	Parallel: Remove unused field in UpdateDensePrefixAndCompactionTask
JDK-8294520	Problemist java/nio/file/Files/CopyProcFile.java
JDK-8294519	(fs) java/nio/file/Files/CopyProcFile.java fails intermittently due to unstable /proc/cpuinfo output
JDK-8294514	Wrong initialization of nmethod::_consts_offset for native nmethods
JDK-8294509	The sign extension bug applies to 'public static int[] convertSeedBytesToInts(byte[] seed, int n, int z)' in RandomSupport
JDK-8294492	RISC-V: Use li instead of patchable movptr at non-patchable callsites
JDK-8294488	Delete KCMS transforms wrappers
JDK-8294486	Remove vmTestbase/nsk/jvmti/ tests ported to serviceability/jvmti.
JDK-8294483	Remove vmTestbase/nsk/jvmti/GetThreadState tests.
JDK-8294472	Remove redundant rawtypes suppression in AbstractChronology
JDK-8294471	SpecTaglet is inconsistent with SpecTree for inline property
JDK-8294468	Fix char-subscripts warnings in Hotspot
JDK-8294467	Fix sequence-point warnings in Hotspot
JDK-8294461	wrong effectively final determination by javac
JDK-8294460	CodeSection::alignment checks for CodeBuffer::SECT_STUBS incorrectly
JDK-8294456	Fix misleading-indentation warnings in core JDK libraries
JDK-8294438	Fix misleading-indentation warnings in hotspot
JDK-8294437	java/nio/channels/FileChannel tests slow on Windows

OpenJDK Patch ID	Synopsis
JDK-8294431	jshell reports error on initialisation of static final field of anonymous class
JDK-8294430	RISC-V: Small refactoring for movptr_with_offset
JDK-8294426	Two fingers tap generates wrong mouse modifiers on M2 MacBooks
JDK-8294411	SA should provide more useful info when it fails to start up due to "failed to workaround classsharing"
JDK-8294408	Problemlist runtime/handshake/HandshakeSuspendExitTest.java
JDK-8294406	Test runtime/handshake/HandshakeDirectTest.java failed: JVMTI_ERROR_WRONG_PHASE
JDK-8294399	(ch) Refactor some methods out of sun.nio.ch.UnixFileDispatcherImpl
JDK-8294397	Replace StringBuffer with StringBuilder within java.text
JDK-8294379	Missing comma after copyright year
JDK-8294378	URLPermission constructor exception when using tr locale
JDK-8294377	Prepare to stop auto-inheriting documentation for subclasses of exceptions whose documentation is inherited
JDK-8294375	test/jdk/java/nio/channels/vthread/BlockingChannelOps.java is slow
JDK-8294370	Fix allocation bug in java_lang_Thread::async_get_stack_trace()
JDK-8294366	RISC-V: Partially mark out incompressible regions
JDK-8294362	UL: Replace the internal usage of manual buffers with stringstream in LogSelection
JDK-8294361	Cleanup usages of StringBuffer in SQLOutputImpl
JDK-8294359	Interpreter(AArch64) intrinsify Thread.currentThread()
JDK-8294357	(tz) Update Timezone Data to 2022d
JDK-8294356	IGV: scheduled graphs contain duplicated elements
JDK-8294321	Fix typos in files under test/jdk/java, test/jdk/jdk, test/jdk/jni
JDK-8294308	Allow dynamically choosing the MEMFLAGS of a type without ResourceObj

OpenJDK Patch ID	Synopsis
JDK-8294307	ISO 4217 Amendment 173 Update
JDK-8294293	Remove unused <code>_width</code> and <code>_newlines</code> field in <code>outputStream</code>
JDK-8294278	<code>ForkJoinPool.getAndAddPoolIds</code> should use <code>Unsafe.staticFieldBase</code>
JDK-8294262	AArch64: <code>compiler/vectorapi/TestReverseByteTransforms.java</code> test failed on SVE machine
JDK-8294261	AArch64: Use <code>pReg</code> instead of <code>pRegGov</code> when possible
JDK-8294255	Add link to <code>DEFAULT_WAIT_TIME</code> in javadoc for <code>SunToolkit.realsSync</code>
JDK-8294254	[macOS] <code>javafx/swing/plaf/aqua/CustomComboBoxFocusTest.java</code> failure
JDK-8294245	Make <code>Compile::print_inlining_stream</code> stack allocated
JDK-8294242	JFR: <code>jfr print</code> doesn't handle infinite duration well
JDK-8294241	Deprecate <code>URL</code> public constructors
JDK-8294238	ZGC: Move CLD claimed mark clearing
JDK-8294236	[IR Framework] CPU preconditions are overridden by regular preconditions
JDK-8294217	Assertion failure: parsing found no loops but there are some
JDK-8294211	Zero: Decode arch-specific error context if possible
JDK-8294198	Implement <code>isFinite</code> intrinsic for RISC-V
JDK-8294197	Zero: <code>JVM_handle_linux_signal</code> should not assume deopt NOPs
JDK-8294193	<code>Files.createDirectories</code> throws <code>FileAlreadyExistsException</code> for a symbolic link whose target is an existing directory
JDK-8294190	Incorrect check messages in <code>SharedRuntime::generate_uncommon_trap_blob</code>
JDK-8294187	RISC-V: Unify all relocations for the backend into <code>AbstractAssembler::relocate()</code>
JDK-8294186	AArch64: <code>VectorMaskToLong</code> failed on SVE2 machine with <code>-XX:UseSVE=1</code>
JDK-8294183	AArch64: Wrong macro check in <code>SharedRuntime::generate_deopt_blob</code>
JDK-8294160	misc crash dump improvements

OpenJDK Patch ID	Synopsis
JDK-8294151	JFR: Unclear exception message when dumping stopped in memory recording
JDK-8294115	JNI local refs exceeds capacity warning in NetworkInterface::getAll
JDK-8294110	compiler/uncommontrap/Decompile.java fails after JDK-8293798
JDK-8294109	JavaDoc search should search whole index
JDK-8294100	RISC-V: Move rt_call and xxx_move from SharedRuntime to MacroAssembler
JDK-8294087	RISC-V: RVC: Fix a potential alignment issue and add more alignment assertions for the patchable calls/nops
JDK-8294086	RISC-V: Cleanup InstructionMark usages in the backend
JDK-8294083	RISC-V: Minimal build failed with --disable-precompiled-headers
JDK-8294075	gtest/AsyncLogGtest crashes with SEGV
JDK-8294073	Performance improvement for message digest implementations
JDK-8294068	Unconditional and eager load of nio library since JDK-8264744
JDK-8294067	[macOS] javax/swing/JComboBox/6559152/bug6559152.java Cannot select an item from popup with the ENTER key.
JDK-8294062	Improve parsing performance of j.l.c.MethodTypeDesc
JDK-8294059	Serial: Refactor GenCollectedHeap::collect
JDK-8294058	Early use of lambda introduced in JDK-8285263 cause startup regressions in 20-b02
JDK-8294057	Parallel: Tighten ParallelCompactData::initialize_region_data
JDK-8294053	Unneeded local variable in handle_safefetch()
JDK-8294047	HttpServletResponse swallows interrupts
JDK-8294046	Newly added test test/jdk/javaw/swing/JTabbedPane/TestNPESStateChgListener.java fails in macos
JDK-8294039	Remove "Classpath" exception from java/awt tests

OpenJDK Patch ID	Synopsis
JDK-8294038	Remove "Classpath" exception from javax/swing tests
JDK-8294037	Using alias template to unify hashtables in AsyncLogWriter
JDK-8294033	x86_64: libm stubs are missing
JDK-8294020	improve errors for record declarations
JDK-8294014	Remove redundant UseCompiler conditions
JDK-8294012	RISC-V: get/put_native_u8 missing the case when address&7 is 6
JDK-8294008	Grapheme implementation of setText() throws IndexOutOfBoundsException
JDK-8294003	Don't handle si_addr == 0 && si_code == SI_KERNEL SIGSEGVs
JDK-8294000	Filler array klass should be in jdk/vm/internal, not in java/vm/internal
JDK-8293999	[JVMCI] need support for aligned constants in generated code larger than 8 bytes
JDK-8293998	[PPC64] JfrGetCallTrace: assert(_pc != nullptr) failed: must have PC
JDK-8293996	C2: fix and simplify IdealLoopTree::do_remove_empty_loop
JDK-8293995	Problem list sun/tools/jstatd/TestJstatdRmiPort.java on all platforms because of 8293577
JDK-8293991	java/lang/Float/Binary16ConversionNaN.java fails on silent NaN conversions
JDK-8293989	[JVMCI] re-use cleared oop handles
JDK-8293986	Incorrect double-checked locking in com.sun.beans.introspect.ClassInfo
JDK-8293984	Unnecessary Vector usage in PropertyEditorSupport
JDK-8293979	Resolve JVM_CONSTANT_Class references at CDS dump time
JDK-8293978	Duplicate simple loop back-edge will crash the vm
JDK-8293976	Use unsigned integers in Assembler/CodeBuffer::emit_int*
JDK-8293969	breakup the long signature in SystemDictionaryShared::is_supported_invokedynamic

OpenJDK Patch ID	Synopsis
JDK-8293964	Unused check_for_duplicates parameter in ClassLoaderExt::process_jar_manifest
JDK-8293961	Unused ClassPathZipEntry::contents_do
JDK-8293942	[JVMCI] data section entries must be 4-byte aligned on AArch64
JDK-8293940	Some tests for virtual threads take too long
JDK-8293939	Move continuation_enter_setup and friends
JDK-8293937	x86: Drop LP64 conditions from clearly x86_32 code
JDK-8293922	Extend barrier-less Java thread transitions to native transitions
JDK-8293920	G1: Add index based heap region iteration
JDK-8293897	Synthetic final modifier is part of the AST for a try-with-resource resource
JDK-8293892	Add links to JVM 19 and 20 from ClassFileFormatVersion enum constants
JDK-8293891	gc/g1/mixedgc/TestOldGenCollectionUsage.java (still) assumes that GCs take 1ms minimum
JDK-8293887	AArch64 build failure with GCC 12 due to maybe-uninitialized warning in libfdlibm k_rem_pio2.c
JDK-8293886	The abstract keyword can be removed in AESCipher
JDK-8293879	Remove unnecessary castings in jdk.hotspot.agent
JDK-8293877	Rewrite MineField test
JDK-8293875	ProblemList sun/management/jmxremote/bootstrap/RmiBootstrapTest.java#id1 on linux-x64
JDK-8293873	Centralize the initialization of UL
JDK-8293872	Make runtime/Thread/ThreadCountLimit.java more robust
JDK-8293864	Kitchensink24HStress.java fails with SIGSEGV in JfrCheckpointManager::lease
JDK-8293861	G1: Disable preventive GCs by default

OpenJDK Patch ID	Synopsis
JDK-8293858	Change PKCS7 code to use default SecureRandom impl instead of SHA1PRNG
JDK-8293856	AArch64: Remove clear_inst_mark from aarch64_enc_java_dynamic_call
JDK-8293851	hs_err should print more stack in hex dump
JDK-8293849	PrintIdealPhase in compiler directives file is ignored when used with other compile commands
JDK-8293844	C2: Verify Location::{oop,normal} types in PhaseOutput::FillLocArray
JDK-8293842	IPv6-only systems throws UnsupportedOperationException for several socket/TCP options
JDK-8293840	RISC-V: Remove cbuf parameter from far_call/far_jump/trampoline_call
JDK-8293833	Error mixing types with -XX:+UseCMoveUnconditionally -XX:+UseVectorCmov
JDK-8293828	JFR: jfr/event/oldobject/TestClassLoaderLeak.java still fails when GC cycles are not happening
JDK-8293824	gc/whitebox/TestConcMarkCycleWB.java failed "RuntimeException: assertTrue: expected true, was false"
JDK-8293819	sun/util/logging/PlatformLoggerTest.java failed with "RuntimeException: Retrieved backing PlatformLogger level null is not the expected CONFIG"
JDK-8293817	Dacapo.java failed with "RuntimeException: Failed to run benchmark: pmd"
JDK-8293816	CI: ciBytecodeStream::get_klass() is not consistent
JDK-8293815	P11PSSSignature.engineUpdate should not print debug messages during normal operation
JDK-8293813	ProblemList com/sun/jdi/JdbLastErrorTest.java on windows-x64 in Xcomp mode
JDK-8293811	Provide a reason for PassFailJFrame.forceFail
JDK-8293810	Remove granting of RuntimePermission("stopThread") from tests

OpenJDK Patch ID	Synopsis
JDK-8293808	mscapi destroyKeyContainer enhance KeyStoreException: Access is denied exception
JDK-8293798	Fix test bugs due to incompatibility with -XX:+AlwaysIncrementalInline
JDK-8293787	Linux aarch64 build fails after 8292591
JDK-8293785	Add a jtreg test for TraceOptoParse
JDK-8293782	Shenandoah: some tests failed on lock rank check
JDK-8293781	RISC-V: clarify types of calls
JDK-8293779	redundant checking in AESCrypt.makeSessionKey() method
JDK-8293774	Improve TraceOptoParse to dump the bytecode name
JDK-8293771	runtime/handshake/SystemMembarHandshakeTransitionTest.java fails if MEMBARRIER_CMD_QUERY is unsupported
JDK-8293770	RISC-V: Reuse runtime call trampolines
JDK-8293769	RISC-V: Add a second temporary register for BarrierSetAssembler::load_at
JDK-8293768	Add links to JLS 19 and 20 from SourceVersion enum constants
JDK-8293767	AWT test TestSinhalaChar.java has old SCCS markings
JDK-8293711	Factor out size parsing functions from arguments.cpp
JDK-8293701	jdeps InverseDepsAnalyzer runs into NoSuchElementException: No value present
JDK-8293696	java/nio/channels/DatagramChannel/SelectWhenRefused.java fails with "Unexpected wakeup"
JDK-8293695	Implement isInfinite intrinsic for RISC-V
JDK-8293691	converting a defined BasicType value to a string should not crash the VM
JDK-8293684	11.1.3: Thread.stop no longer causes an asynchronous exception
JDK-8293681	ResponseAPDU getData() method javadoc
JDK-8293680	PPC64BE build failure after JDK-8293344
JDK-8293672	Update freetype md file

OpenJDK Patch ID	Synopsis
JDK-8293669	SA: Remove unnecssary "InstanceStackChunkKlass: InstanceStackChunkKlass" output when scanning heap
JDK-8293660	Fix frame::sender_for_compiled_frame frame size assert
JDK-8293659	Improve UnsatisfiedLinkError error message to include dlopen error details
JDK-8293657	sun/management/jmxremote/bootstrap/RmiBootstrapTest.java#id1 failed with "SSLHandshakeException: Remote host terminated the handshake"
JDK-8293654	Improve SharedRuntime handling of continuation helper out-arguments
JDK-8293647	Avoid unnecessary boxing in jdk.hotspot.agent
JDK-8293627	AccessFlag::locations(ClassFileFormatVersion cffv) and locations() results are inconsistent
JDK-8293626	AccessFlag::locations(ClassFileFormatVersion cffv) does not throw NPE when parameter is null
JDK-8293618	x86: Wrong code generation in class Assembler
JDK-8293613	need to properly handle and hide tmp VTMS transitions
JDK-8293595	tstrings::any() is missing an overload
JDK-8293592	Remove JVM_StopThread, stillborn, and related cleanup
JDK-8293591	Remove use of Thread.stop from jshell tests
JDK-8293590	Some syntax checks performed by URL.openConnection() could be performed earlier, at URL construction
JDK-8293584	CodeCache::old_nmethods_do incorrectly filters is_unloading nmethods
JDK-8293579	tools/jpackage/share/jdk/jpackage/tests/UnicodeArgsTest.java fails on Japanese Windows platform
JDK-8293578	Duplicate ldc generated by javac
JDK-8293567	AbstractSplittableWithBrineGenerator: salt has digits that duplicate the marker

OpenJDK Patch ID	Synopsis
JDK-8293566	RISC-V: Clean up push and pop registers
JDK-8293564	serviceability/tmtools/jstat/GcTest01.java fails with "Error in the percent calculation"
JDK-8293563	[macos-aarch64] SA core file tests failing with sun.jvm.hotspot.oops.UnknownOopException
JDK-8293562	KeepAliveCache Blocks Threads while Closing Connections
JDK-8293548	ProblemList sun/management/jmxremote/bootstrap/RmiBootstrapTest.java#id1 on linux-x64
JDK-8293544	G1: Add comment in G1BarrierSetC1::pre_barrier
JDK-8293540	[Metrics] Incorrectly detected resource limits with additional cgroup fs mounts
JDK-8293535	jdk/javadoc/doclet/testJavaFX/TestJavaFxMode.java fail with jfx
JDK-8293531	C2: some vectorapi tests fail assert "Not monotonic" with flag -XX:TypeProfileLevel=222
JDK-8293524	RISC-V: Use macro-assembler functions as appropriate
JDK-8293518	ProblemList sun/management/jmxremote/bootstrap/RmiSslNoKeyStoreTest.java
JDK-8293517	ProblemList sun/management/jmxremote/bootstrap/RmiBootstrapTest.java#id1 on linux-x64
JDK-8293516	ProblemList gc/cslocker/TestCSLocker.java in -Xcomp mode
JDK-8293515	heapShared.cpp: rename JavaThread parameter to current
JDK-8293514	ProblemList gc/metaspaces/TestMetaspacePerfCounters.java#Epsilon-64 on all platforms
JDK-8293512	ProblemList serviceability/tmtools/jstat/GcNewTest.java in -Xcomp mode
JDK-8293508	ProblemList gc/metaspaces/TestMetaspacePerfCounters.java#Epsilon-64

OpenJDK Patch ID	Synopsis
JDK-8293503	gc/metaspac/TestMetaspacPerfCounters.java#Epsilon-64 failed assertGreaterThanOrEqual: expected MMM >= NNN
JDK-8293502	(fc) FileChannel::transfer methods fail to copy /proc files on Linux
JDK-8293499	Provide jmod --compress option
JDK-8293497	Build failure due to MaxVectorSize was not declared when C2 is disabled after JDK-8293254
JDK-8293496	ProblemList runtime/os/TestTracePageSizes.java on linux-x64
JDK-8293493	Signal Handlers printout should show signal block state
JDK-8293492	ShenandoahControlThread missing from hs-err log and thread dump
JDK-8293489	Accept CAs with BasicConstraints without pathLenConstraint
JDK-8293488	Add EOR3 backend rule for aarch64 SHA3 extension
JDK-8293480	IGV: Update Bytecode and ControlFlow Component immediately when opening a new graph
JDK-8293477	IGV: Upgrade to Netbeans Platform 15
JDK-8293474	RISC-V: Unify the way of moving function pointer
JDK-8293472	Incorrect container resource limit detection if manual cgroup fs mounts present
JDK-8293466	libjsig should ignore non-modifying sigaction calls
JDK-8293462	[macos] app image signature invalid when creating DMG or PKG from post processed signed image
JDK-8293456	runtime/os/TestTracePageSizes.java sub-tests fail with "AssertionError: No memory range found for address: NNNN"
JDK-8293453	tools/jpackage/share/AddLShortcutTest.java "Failed: Check the number of mismatched pixels [1024] of [1024] is < [0.100000] threshold"
JDK-8293449	Convert test/closed/javax/management/ shell tests to Java version
JDK-8293445	clhsdb "thread" command gives incorrect error message for bad threadID
JDK-8293432	Use diamond operator in java.management

OpenJDK Patch ID	Synopsis
JDK-8293422	DWARF emitted by Clang cannot be parsed
JDK-8293412	Remove unnecessary java.security.egd overrides
JDK-8293409	[vectorapi] Intrinsicify VectorSupport.indexVector
JDK-8293403	JfrResolution::on_jvmci_resolution crashes when caller is null
JDK-8293402	hs-err file printer should reattempt stack trace printing if it fails
JDK-8293366	1.5: Update email addresses to reflect new openjdk domain
JDK-8293365	1.6: Update email address for reporting errors and ambiguities
JDK-8293364	IGV: Refactor Action in EditorTopComponent and fix minor bugs
JDK-8293355	JDK-8293167 included bad copyright header
JDK-8293353	[BACKOUT] G1: Remove redundant is-marking-active checks in C1 barrier
JDK-8293351	Add second tmp register to aarch64 BarrierSetAssembler::load_at
JDK-8293348	A false cyclic inheritance error reported
JDK-8293344	JDK-8242181 broke stack printing for non-attached threads
JDK-8293343	sun/management/jmxremote/bootstrap/RmiSslNoKeyStoreTest.java failed with "Agent communication error: java.io.EOFException"
JDK-8293340	Remove unused _code in {Zero,Template}InterpreterGenerator
JDK-8293339	vm/jvmti/StopThread/stop001/stop00103 crashes with SIGSEGV in Continuation::is_continuation_mounted
JDK-8293335	sun/management/jmxremote/bootstrap/RmiBootstrapTest.java#id1 failed with "Agent communication error: java.io.EOFException"
JDK-8293333	Broken links in JDI specification
JDK-8293331	Refactor FileDispatcherImpl into operating system-specific components
JDK-8293329	x86: Improve handling of constants in AES/GHASH stubs
JDK-8293326	jdk/sun/security/tools/jarsigner/compatibility/SignTwice.java slow on Windows

OpenJDK Patch ID	Synopsis
JDK-8293325	Minor improvements to macos catch_mach_exception_raise() error handling
JDK-8293319	[C2 cleanup] Remove unused other_path arg in Parse::adjust_map_after_if
JDK-8293315	Add back logging for Placeholders
JDK-8293304	Replace some usages of INTPTR_FORMAT with PTR_FORMAT
JDK-8293295	Add type check asserts to java_lang_ref_Reference accessors
JDK-8293294	Remove dead code in Parse::check_interpreter_type
JDK-8293293	Move archive heap loading code out of heapShared.cpp
JDK-8293291	Simplify relocation of native pointers in archive heap
JDK-8293290	RISC-V: Explicitly pass a third temp register to MacroAssembler::store_heap_oop
JDK-8293287	add ReplayReduce flag
JDK-8293285	x86_64: Move libm stub implementations to StubGenerator
JDK-8293282	LoadLibraryUnloadTest.java fails with "Too few cleared WeakReferences"
JDK-8293254	x86_64: Extract arraycopy stub implementations into a separate file
JDK-8293252	Shenandoah: ThreadMXBean synchronizer tests crash with aggressive heuristics
JDK-8293251	Use stringstream::base() instead of as_string() when applicable
JDK-8293245	x86_64: Extract Adler32 stub implementation into stubGenerator_x86_64_adler.cpp
JDK-8293232	Fix race condition in pkcs11 SessionManager
JDK-8293230	x86_64: Move AES and GHASH stub definitions into separate source files
JDK-8293218	serviceability/tmtools/jstat/GcNewTest.java fails with "Error in the percent calculation"
JDK-8293213	G1: Remove redundant assertion in G1RemSet::clean_card_before_refine
JDK-8293210	G1: Remove redundant check in G1FreeHumongousRegionClosure

OpenJDK Patch ID	Synopsis
JDK-8293209	Parallel: Remove unused variables in PParallelCompact::invoke
JDK-8293207	Add assert to JVM_ReferenceRefersTo to clarify its API
JDK-8293201	Library detection in runtime/ErrorHandling/TestDwarf.java fails on some systems
JDK-8293197	Avoid double racy reads from non-volatile fields in SharedSecrets
JDK-8293188	x86_64: Introduce stubGenerator_x86_64.hpp
JDK-8293182	Improve testing of CDS archive heap
JDK-8293180	JQuery UI license file not updated
JDK-8293178	Remove obsolete properties from javadoc resource file
JDK-8293177	Verify version numbers in legal files
JDK-8293167	Memory leak in JfrThreadSampler if stackdepth is larger than default (64)
JDK-8293166	jdk/jfr/jvm/TestDumpOnCrash.java fails on Linux ppc64le and Linux aarch64
JDK-8293164	Remove unimplemented Generation::print_heap_change
JDK-8293163	G1: Rename G1HeapRegionAttr::is_humongous
JDK-8293159	Use try-with-resources in X11FontManager.registerFontDir
JDK-8293156	Dcmd VM.classloaders fails to print the full hierarchy
JDK-8293154	TemporalQueries java doc error
JDK-8293146	Strict DateTimeFormatter fails to report an invalid week 53
JDK-8293143	Workaround for JDK-8292217 when doing "step over" of bytecode with unresolved cp reference
JDK-8293122	(fs) Use file cloning in macOS version of Files::copy method
JDK-8293121	(fs) Refactor UnixFileSystem copying into generic Unix, Linux, and BSD implementations
JDK-8293109	Remove unused methods in Compiler

OpenJDK Patch ID	Synopsis
JDK-8293100	RISC-V: Need to save and restore callee-saved FloatRegisters in StubGenerator::generate_call_stub
JDK-8293099	JFR: Typo in TestRemoteDump.java
JDK-8293093	NPE in P11KeyStore.getID
JDK-8293090	Remove unused par_oop_since_save_marks_iterate_done
JDK-8293065	Zero build failure on AArch64 and RISCV64 after JDK-8293007
JDK-8293064	Remove unused NET_xxx functions
JDK-8293061	Combine CDSOptions and AppCDSOptions test utility classes
JDK-8293051	Further refactor javac after removal of -source/-target/--release 7
JDK-8293050	RISC-V: Remove redundant non-null assertions about macro-assembler
JDK-8293046	Move CDS command-line flags to cds_globals.hpp
JDK-8293044	C1: Missing access check on non-accessible class
JDK-8293041	--disable-@files option doesn't work and cause an error
JDK-8293037	Remove DebuggerBase.writeBytes() and related code from SA
JDK-8293036	x86_64: Move Continuation-related stub methods to MacroAssembler
JDK-8293035	Cleanup MacroAssembler::moveop code patching logic aarch64 riscv
JDK-8293028	Remove GenCollectedHeap::handle_failed_promotion
JDK-8293023	Change CardTable::is_in_young signature
JDK-8293019	[JVMCI] change ratio of libgraal to C1 threads and use one isolate per libgraal thread
JDK-8293012	ConstantPool::print_on can crash if _cache is NULL
JDK-8293011	riscv: Duplicated stubs to interpreter for static calls
JDK-8293010	JDI ObjectReference/referringObjects/referringObjects001 fails: assert(env->is_enabled(JVMTI_EVENT_OBJECT_FREE)) failed: checking
JDK-8293009	Remove unused field 'millisPerHour' in DateFormatSymbols
JDK-8293008	Replace uses of StringBuffer with StringBuilder in MergeCollation

OpenJDK Patch ID	Synopsis
JDK-8293007	riscv: failed to build after JDK-8290025
JDK-8293006	sun/tools/jhsdb/JStackStressTest.java fails with "UnalignedAddressException: 8baadbabe"
JDK-8293004	(fs) FileChannel.transferXXX use of copy_file_range needs fallback handling for ENOSYS
JDK-8293003	Review running time of Warn5 regression test
JDK-8293000	Review running times of jshell regression tests
JDK-8292995	improve the SA page cache
JDK-8292994	ProblemList vmTestbase/gc/lock/jni/jnilock001/TestDescription.java
JDK-8292990	Improve test coverage for XPath Axes: parent
JDK-8292989	Avoid dynamic memory in AsyncLogWriter
JDK-8292983	ModuleReferenceImpl.computeHash should record algorithm for cache checks
JDK-8292981	Unify and restructure integer printing format specifiers
JDK-8292975	javac produces code that crashes with LambdaConversionException
JDK-8292972	Initialize fields if CodeBlobIterator shortcuts without heaps
JDK-8292969	Bad Thread Utilization in ForkJoinPool
JDK-8292968	java.net.ContentHandler's javadoc has a broken reference
JDK-8292948	JEditorPane ignores font-size styles in external linked css-file
JDK-8292946	GC lock/jni/jnilock001 test failed "assert(gch->gc_cause() == GCCause::_scavenge_alot
	!gch->incremental_collection_failed()) failed: Twice in a row"
JDK-8292921	Rewrite object field printer
JDK-8292919	Build failure due to UseJVMCICompiler was not declared when C2 is disabled after JDK-8292691
JDK-8292917	[JVMCI] Extend InstalledCode API to make an nmethod non entrant.

OpenJDK Patch ID	Synopsis
JDK-8292912	Make guard card in CardTable inaccessible
JDK-8292910	Remove root to oop cast in HeapDumper
JDK-8292903	enhance round_up_power_of_2 assertion output
JDK-8292899	CustomTzIDCheckDST.java testcase failed on AIX platform
JDK-8292898	[vectorapi] Unify vector mask cast operation
JDK-8292892	Javadoc index descriptions are not deterministic
JDK-8292891	ifdef-out some CDS-only functions
JDK-8292890	Remove PrintTouchedMethodsAtExit and LogTouchedMethods
JDK-8292880	Improve debuggee logging for com/sun/jdi/ClassUnloadEventTest.java
JDK-8292879	com/sun/jdi/ClassUnloadEventTest.java failed due to classes not unloading
JDK-8292878	x86: Make scratch register usage explicit in assembler code
JDK-8292877	java/util/concurrent/atomic/Serial.java uses {Double,Long}Accumulator incorrectly
JDK-8292876	Do not include the deprecated userinfo component of the URI in HTTP/2 headers
JDK-8292868	Explicitly pass a third temp register to MacroAssembler::store_heap_oop for aarch64
JDK-8292867	RISC-V: Simplify weak CAS return value handling
JDK-8292866	Java_sun_awt_shell_Win32ShellFolder2_getLinkLocation check MultiByteToWideChar return value for failures
JDK-8292864	Remove resourceHash.hpp from header files
JDK-8292858	G1: Remove redundant check in G1FlushHumongousCandidateRemSets
JDK-8292850	Unused field 'expiredTimersKey' in javax.swing.TimerQueue
JDK-8292848	AWT_Mixing and TrayIcon tests fail on el8 with hard-coded isOel7
JDK-8292847	Zero: Allow ergonomics to select the GC

OpenJDK Patch ID	Synopsis
JDK-8292790	Remove hashtable.hpp from other files
JDK-8292780	misc tests failed "assert(false) failed: graph should be schedulable"
JDK-8292778	EncodingSupport_md.c convertUtf8ToPlatformString wrong placing of free
JDK-8292777	Remove hashtable.hpp from dependencies.hpp
JDK-8292769	[JVMCI] OutOfMemoryError thrown when attaching the libgraal isolate causes HotSpot to crash.
JDK-8292758	put support for UNSIGNED5 format into its own header file
JDK-8292756	java.lang.AssertionError at at jdk.compiler/com.sun.tools.javac.code.Scope\$ScopeImpl.leave(Scope.java:386)
JDK-8292755	Non-default method in interface leads to a stack overflow in JShell
JDK-8292743	Missing include resourceHash.hpp
JDK-8292739	Invalid legacy entries may be returned by Provider.getServices() call
JDK-8292738	JInternalFrame backgroundShadowBorder & foregroundShadowBorder line is longer in Mac Look and Feel
JDK-8292715	Cleanup ProblemList
JDK-8292713	Unsafe.allocateInstance should be intrinsified without UseUnalignedAccesses
JDK-8292708	Rename G1ParScanThreadState::flush to flush_stats
JDK-8292699	Improve printing of classes in native debugger
JDK-8292698	Improve performance of DataInputStream
JDK-8292697	ZGC: Hangs when almost out of metaspace memory
JDK-8292695	SIGQUIT and jcmd attaching mechanism does not work with signal chaining library
JDK-8292694	x86_64 c2i/i2c adapters may use more stack space than necessary

OpenJDK Patch ID	Synopsis
JDK-8292691	Move CompilerConfig::is_xxx() inline functions out of compilerDefinitions.hpp
JDK-8292686	runtime/cds/appcds/TestWithProfiler.java SIGSEGV in TableStatistics ctor
JDK-8292683	Remove BadKeyUsageTest.java from Problem List
JDK-8292682	Code change of JDK-8282730 not updated to reflect CSR update
JDK-8292681	Add JMH for ProtectionDomain
JDK-8292680	Convert Dictionary to ConcurrentHashTable
JDK-8292679	Simplify thread creation in gtest and port 2 tests to new way
JDK-8292676	Remove two kerberos tests from problem list
JDK-8292675	Add identity transformation for removing redundant AndV/OrV nodes
JDK-8292671	Hotspot Style Guide should allow covariant returns
JDK-8292669	IGV: Search not useable when in Overflow Toolbar
JDK-8292660	C2: blocks made unreachable by NeverBranch-to-Goto conversion are removed incorrectly
JDK-8292657	Calling GetLocalXXX from virtual thread with thread parameter set to NULL returns carrier locals
JDK-8292656	G1: Remove G1HotCardCache::_use_cache
JDK-8292654	G1 remembered set memory footprint regression after JDK-8286115
JDK-8292645	Fix typo in doc comment spec
JDK-8292640	C2: Remove unused scratch register usages on x86
JDK-8292638	x86: Improve scratch register handling in VM stubs
JDK-8292636	(dc) Problem listing of java/nio/channels/DatagramChannel/Unref.java has incorrect issue ID
JDK-8292633	runtime/cds/appcds/dynamicArchive/CDSStreamTestDriver.java fails to compile

OpenJDK Patch ID	Synopsis
JDK-8292632	compiler/sharedstubs/SharedTrampolineTest.java fails with "Error: VM option 'PrintRelocations' is develop and is available only in debug version of VM."
JDK-8292628	x86: Improve handling of constants in trigonometric stubs
JDK-8292625	jshell crash on "var a = a"
JDK-8292623	Reduce runtime of java.io microbenchmarks
JDK-8292608	[AIX] Broken build after 8291945
JDK-8292607	Remove unused dirty and dirty_card_range_after_reset in CardTable
JDK-8292606	G1 and Epsilon header cleanup for JDK-8282729
JDK-8292602	ZGC: C2 late barrier analysis uses invalid dominator information
JDK-8292596	Make SymbolHashMap a ResourceHashtable
JDK-8292594	Use CSS custom properties for all fonts and colors
JDK-8292592	JFR test TestNative is not reliable due to low rate of sampling.
JDK-8292591	Experimentally add back barrier-less Java thread transitions
JDK-8292590	Product JVM crashes with FLAG_SET_XXX on non-product Flag
JDK-8292587	AArch64: Support SVE fabd instruction
JDK-8292586	simplify cleanups in NTLMAuthSequence getCredentialsHandle
JDK-8292584	assert(cb != __null) failed: must be with -XX:-Inline
JDK-8292579	(tz) Update Timezone Data to 2022c
JDK-8292576	Improve wording of AccessFlag-related specs
JDK-8292575	riscv: Represent Registers as values
JDK-8292566	Add reference to the java.nio.file package in java.nio package documentation
JDK-8292564	x86: Remove redundant casts in Assembler usages
JDK-8292562	(fc) Use copy_file_range in FileChannel::transferTo on Linux
JDK-8292561	Make "ReplayCompiles" a diagnostic product switch

OpenJDK Patch ID	Synopsis
JDK-8292559	Add test for -XX:+CheckJNICalls showing changed signal handlers
JDK-8292556	Clean up unused Hashtable instantiations
JDK-8292544	G1: Remove virtual specifier for methods in G1EdenRegions and G1SurvivorRegions
JDK-8292541	[Metrics] Reported memory limit may exceed physical machine memory
JDK-8292511	AArch64: Align CPU feature name for NEON with hwcap
JDK-8292510	ProblemList runtime/cds/appcds/cacheObject/ArchivedEnumTest.java
JDK-8292509	ProblemList java/lang/invoke/lambda/LogGeneratedClassesTest.java on windows
JDK-8292499	CDS ArchivedEnumTest.java fails: object points to a static field that may be reinitialized
JDK-8292498	java/lang/invoke/lambda/LogGeneratedClassesTest.java failed with "AssertionError: only show error once expected [1] but found [0]"
JDK-8292494	Ensure SystemDictionary::set_platform_loader and set_system_loader are called only once
JDK-8292488	JFR: Incorrect comment in ActiveRecordingEvent
JDK-8292458	Atomic operations on scoped enums don't build with clang
JDK-8292448	Convert BitMapFragmentTable to ResourceHashtable
JDK-8292446	Make TableRateStatistics optional in CHT
JDK-8292443	Weak CAS VarHandle/Unsafe tests should test always-failing cases
JDK-8292427	Improve specification ofInflaterInputStream.fill()
JDK-8292407	Improve Weak CAS VarHandle/Unsafe tests resilience under spurious failures
JDK-8292395	[testbug] VectorGatherScatterTest.java fails on SVE with -XX:MaxVectorSize=8 after JDK-8288397
JDK-8292386	jvmti/thread/SuspendThread/suspendthrd03 failed with "FAIL: Status is 2"

OpenJDK Patch ID	Synopsis
JDK-8292385	assert(ctrl == kit.control()) failed: Control flow was added although the intrinsic bailed out
JDK-8292384	Convert AdapterHandlerTable to ResourceHashtable
JDK-8292383	Create a SymbolHandle type to use for ResourceHashtable
JDK-8292381	java/net/httpclient/SpecialHeadersTest.java fails with "ERROR: Shutting down connection: HTTP/2 client stopped"
JDK-8292376	A few Swing methods use inheritDoc on exceptions which are not inherited
JDK-8292375	Convert ProtectionDomainCacheTable to ResourceHashtable
JDK-8292368	[ppc64] internal error g1BarrierSet.inline.hpp assert(oopDesc::is_oop(pre_val, true)) failed: Error
JDK-8292362	java/lang/Thread/jni/AttachCurrentThread/AttachTest.java#id1 failed on some platforms
JDK-8292361	Build failure on PPC64 BE after JDK-8290840
JDK-8292352	32-bit Windows build failures after JDK-8290059
JDK-8292351	tty should always live
JDK-8292350	Use static methods for hashCode/toString primitives
JDK-8292347	Remove unused Type::is_ptr_to_boxing_obj
JDK-8292338	aarch64: Use cbnz instruction in gen_continuation_enter when possible
JDK-8292336	JFR: Warn users if -XX:StartFlightRecording:disk=false is specified with maxage or maxsize
JDK-8292328	AccessibleActionsTest.java test instruction for show popup on JLabel did not specify shift key
JDK-8292327	java.io.EOFException in InflaterInputStream after JDK-8281962
JDK-8292319	ProblemList 2 runtime/cds/appcds tests due to JDK-8292313
JDK-8292318	Memory corruption in remove_dumptime_info
JDK-8292317	Missing null check for Iterator.forEachRemaining implementations

OpenJDK Patch ID	Synopsis
JDK-8292316	Tests should not rely on specific JAR file names (jpackage)
JDK-8292315	Tests should not rely on specific JAR file names (hotspot)
JDK-8292314	Cleanup legacy address handling
JDK-8292313	2 runtime/cds/appcds tests fail after JDK-8284313
JDK-8292312	Work around memset() called operator new
JDK-8292309	Fix java/awt/PrintJob/ConstrainedPrintingTest/ConstrainedPrintingTest.java test
JDK-8292305	[BACKOUT] JDK-8289208 Test DrawRotatedStringUsingRotatedFont.java occasionally crashes on MacOS
JDK-8292304	[REDO] JDK-8289208 Test DrawRotatedStringUsingRotatedFont.java occasionally crashes on MacOS
JDK-8292302	Windows GetLastError value overwritten by ThreadLocalStorage::thread
JDK-8292301	[REDO v2] C2 crash when allocating array of size too large
JDK-8292297	Fix up loading of override java.security properties file
JDK-8292296	Use multiple threads to process ParallelGC deferred updates
JDK-8292286	Convert PlaceholderTable to ResourceHashtable
JDK-8292285	C2: remove unreachable block after NeverBranch-to-Goto conversion
JDK-8292280	Unused field 'keyListener' in BasicRadioButtonUI
JDK-8292279	(fs) Use try-with-resources to release NativeBuffer
JDK-8292267	Clean up synchronizer.hpp
JDK-8292262	adjust timeouts in several M&M tests
JDK-8292261	adjust timeouts in JLI GetObjectSizeIntrinsicsTest.java
JDK-8292260	[BACKOUT] JDK-8279219: [REDO] C2 crash when allocating array of size too large
JDK-8292250	Create test for co-located JDI MethodEntry, Step, and Breakpoint events

OpenJDK Patch ID	Synopsis
JDK-8292240	CarrierThread.blocking not reset when spare not activated
JDK-8292233	Increase symtab hash table size
JDK-8292232	AIX build failure by JDK-8290840
JDK-8292225	Rename ArchiveBuilder APIs related to source and buffered addresses
JDK-8292218	Convert PackageEntryTable to ResourceHashtable
JDK-8292216	Remove modules/packages_unloading_do
JDK-8292215	java/util/stream/boottest/java.base/java/util/stream/SpinedBufferTest.java times out with slowdebug
JDK-8292214	Memory leak in getAllConfigs of awt_GraphicsEnv.c:386
JDK-8292203	AArch64: Represent Registers as values
JDK-8292202	modules_do is called without Module_lock
JDK-8292201	serviceability/sa/ClhsdbThreadContext.java fails with "Thread "Common-Cleaner" missing from stdout/stderr"
JDK-8292200	Add java/io/File/GetXSpace.java to Windows problem list
JDK-8292196	Reduce runtime of java.util.regex microbenchmarks
JDK-8292194	G1 nmethod entry barrier disarm value wraps around too early
JDK-8292190	[IR Framework] Remove redundant regex matching for failing counts constraints
JDK-8292187	aarch64: Remove duplicate header files
JDK-8292182	[TESTLIB] Enhance JAXPPolicyManager to setup required permissions for jtreg version 7 jar
JDK-8292177	InitialSecurityProperty JFR event
JDK-8292159	TYPE_USE annotations on generic type arguments of record components discarded
JDK-8292158	AES-CTR cipher state corruption with AVX-512
JDK-8292153	x86: Represent Registers as values

OpenJDK Patch ID	Synopsis
JDK-8292140	(fs) Needless instanceof check in RegistryFileTypeDetector
JDK-8292132	ProblemList jdk/internal/misc/TerminatingThreadLocal/TestTerminatingThreadLocal.java
JDK-8292119	ProblemList java/awt/image/multiresolution/MultiresolutionIconTest.java on linux-x64 and windows-all
JDK-8292088	C2: assert(is_OuterStripMinedLoop()) failed: invalid node class: IfTrue
JDK-8292083	Detected container memory limit may exceed physical machine memory
JDK-8292077	G1 nmethod entry barriers don't keep oops alive
JDK-8292075	Remove deleted test compiler/rangechecks/TestRangeCheckHoistingScaledIV.java from ProblemList
JDK-8292073	NMT: remove unused constructor parameter from MallocHeader
JDK-8292072	NMT: repurpose Tracking overhead counter as global malloc counter
JDK-8292071	NMT: move MallocHeader to its own header and inline header checks
JDK-8292068	Convert ModuleEntryTable into ResourceHashtable
JDK-8292067	Convert test/sun/management/jmxremote/bootstrap shell tests to java version
JDK-8292066	Convert TestInputArgument.sh and TestSystemLoadAvg.sh to java version
JDK-8292064	Convert java/lang/management/MemoryMXBean shell tests to java version
JDK-8292062	misc javax/swing tests failing
JDK-8292061	ProblemList serviceability/attach/ConcAttachTest.java on linux-all
JDK-8292060	Make ClassFileVersionTest.java version adapting
JDK-8292054	Test runtime/posixSig/TestPosixSig.java fails with 'Test failed, bad output.'

OpenJDK Patch ID	Synopsis
JDK-8292051	jdk/internal/misc/TerminatingThreadLocal/TestTerminatingThreadLocal.java failed "AssertionError: Expected terminated values: [666] but got: []"
JDK-8292044	HttpClient doesn't handle 102 or 103 properly
JDK-8292043	Incorrect decoding near EOF for stateful decoders like UTF-16
JDK-8292033	Move jdk.X509Certificate event logic to JCA layer
JDK-8292026	Remove redundant allocations from DoubleByteEncoder
JDK-8292007	Do not include vmSymbol.hpp in method.hpp
JDK-8291992	[REDO2] ProblemList multiple tests in -Xcomp mode due to JDK-8291649
JDK-8291991	Adjust the "shared class paths mismatch" message if class path logging is enabled
JDK-8291990	[REDO] ProblemList multiple tests in -Xcomp mode due to JDK-8291649
JDK-8291978	jpackage: allow to override primary l10n files on Windows
JDK-8291974	PrivateCredentialPermission should not use local variable to enable debugging
JDK-8291972	Fix double copy of arguments when thawing two interpreted frames
JDK-8291970	Add TableStatistics get function to ResourceHashtable
JDK-8291969	Convert LoaderConstraintsTable to ResourceHashtable
JDK-8291959	FileFontStrike#initNative does not properly initialize IG Table on Windows
JDK-8291957	Redundant import statements in sun.security.ec
JDK-8291956	Simplify the loop condition in sun.net.httpserver.Request constructor
JDK-8291955	Cleanup the JNI invocation API spec and code examples
JDK-8291954	Use Optional.isEmpty instead of !Optional.isPresent in java.base
JDK-8291952	riscv: Remove PRAGMA_NONNULL_IGNORED
JDK-8291949	Unexpected extending of SupportedGroups
JDK-8291947	riscv: fail to build after JDK-8290840
JDK-8291945	Add OSInfo API for static OS information

OpenJDK Patch ID	Synopsis
JDK-8291941	ProblemList java/lang/ProcessBuilder/PipelineLeaksFD.java on linux-all
JDK-8291926	ProblemList multiple tests in -Xcomp mode due to JDK-8291649
JDK-8291924	jpackage: l10n for Windows context menu label
JDK-8291914	generated constructors are considered compact when they shouldn't
JDK-8291912	Introduce per-allocation target struct for members in G1PLABAllocator
JDK-8291911	java/io/File/GetXSpace.java fails with "53687091200 != 161051996160"
JDK-8291901	IGV: Preference menu disappears after JDK-8288750
JDK-8291899	Zero VM is broken on MacOS after JDK-8290840 due to os::setup_fpu() is missing
JDK-8291897	TerminatingThreadLocal(s) not registered from virtual thread(s)
JDK-8291895	Remove PRAGMA_NONNULL_IGNORED from x86 and AArch64
JDK-8291893	riscv: remove fence.i used in user space
JDK-8291878	NMT: Malloc limits
JDK-8291869	Match exceptions using types of javax.lang.model, not strings
JDK-8291840	Avoid JavaCalls for setting up _java_system_loader and _java_platform_loader
JDK-8291830	jvmti/RedefineClasses/StressRedefine failed: assert(!is_null(v)) failed: narrow klass value can never be zero
JDK-8291828	Reduce runtime of java.util.stream microbenchmarks
JDK-8291825	java/time/nontestng/java/time/zone/CustomZoneNameTest.java fails if defaultLocale and defaultFormatLocale are different
JDK-8291823	IGV: Fix "Save selected groups"
JDK-8291822	ARM32: Build errors with GCC 11 in frame::saved_oop_result
JDK-8291805	IGV: Improve Zooming
JDK-8291799	IGV: make "Selection mode" a toggle button
JDK-8291798	VMRegImpl::print_on is broken after JDK-8289060

OpenJDK Patch ID	Synopsis
JDK-8291792	DefaultStyledDocument.setCharacterAttributes accepts negative length
JDK-8291781	assert(!is_visited) failed: visit only once with -XX:+SuperWordRTDepCheck
JDK-8291775	C2: assert(r != __null && r.is_Region()) failed: this phi must have a region
JDK-8291769	Translation of switch with record patterns could be improved
JDK-8291760	PipelineLeaksFD.java still fails: More or fewer pipes than expected
JDK-8291753	Add JFR event for GC CPU Time
JDK-8291752	AArch64: Remove check_emit_size parameter from trampoline_call
JDK-8291736	find_method_handle_intrinsic leaks Method*
JDK-8291734	Return accurate ACC_SUPER access flag for classes
JDK-8291733	Remove JFR events that expose hashtable
JDK-8291729	Reduce runtime of vm.compiler microbenchmarks
JDK-8291725	Leftover marks when VM shutdown aborts bitmap clearing make mixed gc fail
JDK-8291718	Remove mark_for_deoptimization from klass unloading
JDK-8291669	[REDO] Fix array range check hoisting for some scaled loop iv
JDK-8291660	Grapheme support in BreakIterator
JDK-8291657	Javac assertion when compiling a method call with switch expression as argument
JDK-8291654	AArch64: assert from JDK-8287393 causes crashes
JDK-8291653	G1 refinement incorrectly expects always-valid HeapRegion out of the Hot Card Cache
JDK-8291651	CleanerTest.java fails with "Cleanable was cleaned"
JDK-8291650	Add delay to ClassUnloadEventTest before exiting to give time for JVM to send all events before VMDeath
JDK-8291649	multiple tests failing with -Xcomp after JDK-8290034
JDK-8291642	java/foreign/TestMatrix.java -few tests are failing due to JDK-8287158.

OpenJDK Patch ID	Synopsis
JDK-8291641	Optimize StackTraceElement.toString()
JDK-8291640	java/beans/XMLDecoder/8028054/Task.java should use the 3-arg Class.forName
JDK-8291638	Keep-Alive timeout of 0 should close connection immediately
JDK-8291637	HttpClient default keep alive timeout not followed if server sends invalid value
JDK-8291633	Build failures with GCC 11, Alpine 3 due to incompatible casts from nullptr
JDK-8291626	Remove Mutex::contains as it is unused
JDK-8291600	[vectorapi] vector cast op check is not always needed for vector mask cast
JDK-8291599	Assertion in PhaseIdealLoop::skeleton_predicate_has_opaque after JDK-8289127
JDK-8291597	[BACKOUT] JDK-8289996: Fix array range check hoisting for some scaled loop iv
JDK-8291586	Broken links in JVMTI specification
JDK-8291578	Remove JMX related tests from ProblemList-svc-vthreads.txt
JDK-8291559	x86: compiler/vectorization/TestReverseBitsVector.java fails
JDK-8291558	unify print_jni_name_prefix_on and print_jni_name_suffix_on on posix platforms
JDK-8291524	jdk/jfr/event/runtime/TestClassLoaderStatsEvent.java Value not equal to 2, field='hiddenClassCount', value='0'
JDK-8291519	jdk/jfr/api/event/TestShouldCommit.java failed with Unexpected value of shouldCommit()
JDK-8291512	Snippetize modules API examples
JDK-8291511	Redefinition of EXIT_FAILURE in libw2k_lsa_auth
JDK-8291509	Minor cleanup could be done in sun.security
JDK-8291508	Fix some tests with "requires vm.jvmti & vm.continuations"

OpenJDK Patch ID	Synopsis
JDK-8291496	Allocating card table before heap causes underflow asserts in CardTable::addr_for()
JDK-8291479	ProblemList compiler/rangechecks/TestRangeCheckHoistingScaledIV.java on ppc64le
JDK-8291466	C2: assert(false) failed: infinite loop in PhaselterGVN::transform_old with -XX:+StressIGVN
JDK-8291459	JVM crash with GenerateOopMap::error_work(char const*, __va_list_tag*)
JDK-8291457	Clean up lifecycle of CDS dump-time data structures
JDK-8291456	com/sun/jdi/ClassUnloadEventTest.java failed with: Wrong number of class unload events: expected 10 got 4
JDK-8291443	Obsolete the PrintSharedDictionary flag
JDK-8291429	java/lang/Thread/virtual/ThreadAPI.java timed out on single core system
JDK-8291428	JFR: 'jfr print' displays incorrect timestamps during DST
JDK-8291418	adjust monitor deflation logging and deflate_idle_monitors use
JDK-8291360	Create entry points to expose low-level class file information
JDK-8291359	Specification of method j.l.foreign.VaList::skip still deserves clarification
JDK-8291358	Fix the "overriding" typo
JDK-8291337	Reduce runtime of vm.lamdba microbenchmarks
JDK-8291336	Add ideal rule to convert floating point multiply by 2 into addition
JDK-8291289	gc/TestPLABAdaptToMinTLABSize fails after JDK-8289137
JDK-8291266	RenderPerfTest: missing content while rendering some primitives
JDK-8291238	JDK can't be built without G1
JDK-8291226	Create Test Cases to cover scenarios for JDK-8278067
JDK-8291118	[vectorapi] Optimize the implementation of lanewise FIRST_NONZERO
JDK-8291106	ZPlatformGranuleSizeShift is redundant

OpenJDK Patch ID	Synopsis
JDK-8291081	Some sun/tools/jstatd/TestJstatd* tests fail with "Not a percentage\: 68.31\>: expected true, was false"
JDK-8291067	macOS should use O_CLOEXEC instead of FD_CLOEXEC
JDK-8291061	Improve thread safety of FileTime.toString and toInstant
JDK-8291060	OPEN_MAX is no longer the max limit on macOS >= 10.6 for RLIMIT_NOFILE
JDK-8291056	Remove unused Generation::par_promote*()
JDK-8291048	x86: compiler/c2/irTests/TestAutoVectorization2DArray.java fails with lower SSE
JDK-8291037	Move PLAB resizing mechanism to G1EvacStats
JDK-8291022	JFR: Reduce logging in ChunkHeader constructor
JDK-8291021	JFR: Only one finished state in ChunkHeader class
JDK-8291006	java/foreign/TestUnsupportedPlatform fails after JDK-8290455
JDK-8291003	ARM32: constant_table.size assertion
JDK-8291002	Rename Method::build_interpreter_method_data to Method::build_profiling_method_data
JDK-8291000	C2: Purge LoadPLocked and Store*Conditional nodes
JDK-8290981	Enable CDS for zero builds
JDK-8290975	Minor cleanup could be done in javax.security
JDK-8290973	In AffineTransform, equals(Object) is inconsistent with hashCode()
JDK-8290972	ProblemList java/lang/ProcessBuilder/PipelineLeaksFD.java
JDK-8290969	DumpClassListCLDClosure incorrectly uses ResizableResourceHashtable
JDK-8290966	G1: Record number of PLAB filled and number of direct allocations
JDK-8290964	C2 compilation fails with assert "non-reduction loop contains reduction nodes"

OpenJDK Patch ID	Synopsis
JDK-8290959	Consistently use "grey" instead of "gray" in GC code
JDK-8290943	Fix several IR test issues on SVE after JDK-8289801
JDK-8290920	sspi_bridge.dll not built if BUILD_CRYPT0 is false
JDK-8290919	Update nroff pages in JDK 20 before RC
JDK-8290917	x86: Memory-operand arithmetic instructions have too low costs
JDK-8290910	Wrong memory state is picked in SuperWord::co_locate_pack()
JDK-8290909	MemoryPoolMBean/isUsageThresholdExceeded tests failed with "isUsageThresholdExceeded() returned false, and is still false, while threshold = MMMMMMMM and used peak = NNNNNNNN"
JDK-8290908	misc tests fail: assert(!thread->owns_locks()) failed: must release all locks when leaving VM
JDK-8290901	Reduce use of -source in langtools tests
JDK-8290900	Build failure with Clang 14+ due to function warning attribute
JDK-8290894	Reduce runtime of vm.lang microbenchmarks
JDK-8290893	ProblemList java/lang/ClassLoader/loadLibraryUnload/LoadLibraryUnload
JDK-8290889	JDK 19 RDP2 L10n resource files update - msgdrop 10
JDK-8290887	Unused private method in TrustManagerFactoryImpl
JDK-8290885	java/lang/ProcessBuilder/PipelineLeaksFD.java fail: More or fewer pipes than expected
JDK-8290870	NMT: Increase MallocSiteTable size and allocate it only when needed
JDK-8290868	NMT: MallocSiteTable statistics improvements
JDK-8290867	Race freeing remembered set segments
JDK-8290861	Remove unused field URLJarFile.BUF_SIZE
JDK-8290850	C2: create_new_if_for_predicate() does not clone pinned phi input nodes resulting in a broken graph

OpenJDK Patch ID	Synopsis
JDK-8290848	LoadLibraryUnload.java still fails with "Too few cleared WeakReferences"
JDK-8290846	sun/tools/jstatd/JstatdTest* tests should use VM options
JDK-8290845	Consider an alternative item separator for multi-item option values
JDK-8290840	Refactor the "os" class
JDK-8290839	jdk/jfr/event/compiler/TestJitRestart.java failed with "RuntimeException: No JIT restart event found: expected true, was false"
JDK-8290838	Improve test coverage for XPath functions: Number Functions
JDK-8290837	Improve test coverage for XPath functions: Boolean Functions
JDK-8290836	Improve test coverage for XPath functions: String Functions
JDK-8290834	Improve potentially confusing documentation on collection of profiling information
JDK-8290833	Remove ConstantPoolCache::walk_entries_for_initialization()
JDK-8290826	validate-source failures after JDK-8290016
JDK-8290814	Hide G1RootRegions behind G1ConcurrentMark
JDK-8290812	Add a test for ResourceHashtable
JDK-8290806	Only add eager reclaim task to G1 post evacuate tasks if there were candidates
JDK-8290781	Segfault at PhaseIdealLoop::clone_loop_handle_data_uses
JDK-8290780	AArch64: Crash in c2 nmethod running RunThese30M.java
JDK-8290775	Some doc errors in DerOutputStream.java
JDK-8290746	ProblemList compiler/vectorization/TestAutoVecIntMinMax.java
JDK-8290740	Catalog not used when the handler is null
JDK-8290739	Simplify storage of dump-time class information
JDK-8290732	JNI DestroyJavaVM can start shutdown when one non-daemon thread remains
JDK-8290731	Clean up CDS handling of LambdaForm Species classes

OpenJDK Patch ID	Synopsis
JDK-8290730	compiler/vectorization/TestAutoVecIntMinMax.java failed with "IRViolationException: There were one or multiple IR rule failures."
JDK-8290718	Remove ALLOCATION_SUPER_CLASS_SPEC
JDK-8290715	Fix incorrect uses of G1CollectedHeap::heap_region_containing()
JDK-8290714	Make com.sun.jndi.dns.DnsClient virtual threads friendly
JDK-8290711	assert(false) failed: infinite loop in PhaselterGVN::optimize
JDK-8290709	Incorrect dominance error for unconditional pattern vs. null
JDK-8290707	runtime/cds/appcds/dynamicArchive/DynamicLambdaWithUseImplMethodHandle.java fails with "Can't find sun.hotspot.whitebox"
JDK-8290706	Remove the support for inline contiguous allocations
JDK-8290705	StringConcat::validate_mem_flow asserts with "unexpected user: StoreI"
JDK-8290704	x86: TemplateTable::_new should not call eden_allocate() without contiguous allocs enabled
JDK-8290700	Optimize AArch64 nmethod entry barriers
JDK-8290688	Optimize x86_64 nmethod entry barriers
JDK-8290687	serviceability/sa/TestClassDump.java could leave files owned by root on macOS
JDK-8290669	Fix wording in sun.security.ec
JDK-8290625	Test jdk/javadoc/tool/CheckManPageOptions.java after manpage update
JDK-8290562	ThreadMXBean.getThread{Cpu,User}Time fails with -XX: -VMContinuations
JDK-8290561	Coalesce incubator-module warnings for single-file source-code programs
JDK-8290557	tools/jpackage/share/AddLauncherTest.java#id1 failed with "ERROR: Failed: Check icon file"
JDK-8290534	Move MacroAssembler::verified_entry to C2_MacroAssembler on x86
JDK-8290533	Remove G1ConcurrentMark::mark_in_bitmap(uint, HeapRegion*,oop)

OpenJDK Patch ID	Synopsis
JDK-8290532	Adjust PKCS11Exception and handle more PKCS11 error codes
JDK-8290531	Loom: Parallelize a few tests more deeply
JDK-8290529	C2: assert(BoolTest(btest).is_canonical()) failure
JDK-8290525	Move HeapRegion::_compaction_top to G1FullCollector
JDK-8290524	Typo in javadoc of MemorySegment/MemoryAddress
JDK-8290512	G1: Fix typo in allocation statistics log message
JDK-8290511	compiler/vectorapi/TestMaskedMacroLogicVector.java fails IR verification
JDK-8290504	Close streams returned by ModuleReader::list
JDK-8290497	some tests in com/sun/jdi fail on localized Windows platform
JDK-8290496	riscv: Fix build warnings-as-errors with GCC 11
JDK-8290495	Micro-optimize Method::can_be_statically_bound assertions
JDK-8290488	IBM864 character encoding implementation bug
JDK-8290485	[vector] REVERSE_BYTES for byte type should not emit any instructions
JDK-8290482	Update JNI Specification of DestroyJavaVM for better alignment with JLS, JVMMS, and Java SE API Specifications
JDK-8290469	Add new positioning options to PassFailJFrame test framework
JDK-8290468	Remove gc/gctests/mallocWithGC tests
JDK-8290464	Optimize ResourceArea zapping on ResourceMark release
JDK-8290463	Fix several comment typos in sun.security.ec
JDK-8290460	Alpine: disable some panama tests that rely on std::thread
JDK-8290459	Remove unused GCCause enums
JDK-8290456	remove os::print_statistics()
JDK-8290455	jck test api/java_lang/foreign/VaList/Empty.html fails on some platforms
JDK-8290451	Incorrect result when switching to C2 OSR compilation from C1

OpenJDK Patch ID	Synopsis
JDK-8290432	C2 compilation fails with <code>assert(node._last_del == _last)</code> failed: must have deleted the edge just produced
JDK-8290417	CDS cannot archive lamda proxy with <code>useImplMethodHandle</code>
JDK-8290402	jpackage exe uninstallers don't return correct exit code in case of failure
JDK-8290401	Support dump all phases and print nodes in ascending order of index
JDK-8290400	Must run exe installers in jpackage jtreg tests without UI
JDK-8290399	[macos] Aqua LAF does not fire an action event if combo box menu is displayed
JDK-8290398	jpackage exe installers are not installed in jtreg tests
JDK-8290397	LoadLibraryUnload.java failed with "Too few cleared WeakReferences"
JDK-8290391	Reduce runtime of java.util package microbenchmarks
JDK-8290388	5.7: Clarify the definition of JVM termination
JDK-8290379	Parse error with parenthesized pattern and guard using an array
JDK-8290376	G1: Refactor G1MMUTracker::when_sec
JDK-8290374	Shenandoah: Remove inaccurate comment on SBS::load_reference_barrier()
JDK-8290370	Convert SymbolPropertyTable to ResourceHashtable
JDK-8290368	Introduce LDAP and RMI protocol-specific object factory filters to JNDI implementation
JDK-8290367	Update default value and extend the scope of <code>com.sun.jndi.ldap.object.trustSerialData</code> system property
JDK-8290366	Remove unused <code>during_conc_mark</code> parameter in <code>HeapRegion::note_self_forwarding_removal_start</code>
JDK-8290359	Ensure that all directory streams are closed in <code>jdk.link</code>
JDK-8290357	Drop <code>HeapRegion::marked_bytes()</code>
JDK-8290353	<code>ModuleReader::list</code> specification should suggest closing the returned stream

OpenJDK Patch ID	Synopsis
JDK-8290349	IP_DONTFRAGMENT doesn't set DF bit in IPv4 header
JDK-8290344	Start/stop displaysync affects performance in metal rendering pipeline
JDK-8290334	Update FreeType to 2.12.1
JDK-8290333	Remove os_share_*.hpp
JDK-8290327	Remove java/lang/reflect/callerCache/ReflectionCallerCacheTest.java from ProblemList-Xcomp.txt
JDK-8290324	Move atomic operations outside of os_xxx.hpp
JDK-8290322	Optimize Vector.rearrange over byte vectors for AVX512BW targets.
JDK-8290316	Ensure that all directory streams are closed in java.base
JDK-8290313	Produce warning when user specified java.io.tmpdir directory doesn't exist
JDK-8290300	Use standard String-joining tools where applicable
JDK-8290291	G1: Merge multiple calls of block_size in HeapRegion::block_start
JDK-8290290	Remove addition of TimeInstants
JDK-8290280	riscv: Clean up stack and register handling in interpreter
JDK-8290278	JavaDoc of index parameter of method JTabbedPane.insertTab
JDK-8290269	gc/shenandoah/TestVerifyJCStress.java fails due to invalid tag: required after JDK-8290023
JDK-8290264	java/util/concurrent/locks/Lock/OOMEInAQS.java fails with "exit code: 0"
JDK-8290253	gc/g1/TestVerificationInConcurrentCycle.java#id1 fails with "Error. can't find sun.hotspot.WhiteBox in test directory or libraries"
JDK-8290252	Add TEST.properties to java/nio/channels/FileChannel and move tests out of largeMemory sub-dir
JDK-8290250	Shenandoah: disable Loom for iu mode
JDK-8290249	Vectorize signum on AArch64
JDK-8290248	Implement MaxINode::Ideal transformation

OpenJDK Patch ID	Synopsis
JDK-8290246	test fails "assert(init != __null) failed: initialization not found"
JDK-8290243	move seeTagToContent from HtmlDocletWriter to TagletWriterImpl
JDK-8290234	[JVMCI] use JVMCIKlassHandle to protect raw Klass* values from concurrent G1 scanning
JDK-8290231	java/foreign/malloc/TestMixedMallocFree.java crashed in JDK19 ATR run
JDK-8290221	G1: Merge multiple calls of get_next_marked_addr in HeapRegion::oops_on_memregion_iterate_in_unparsable
JDK-8290218	AIX build failure by JDK-8289780
JDK-8290211	jdk/internal/vm/Continuation/Fuzz.java failed with "AssertionError: Failed to compile int Fuzz.com_int(int,int) in 5000ms"
JDK-8290209	jcup.md missing additional text
JDK-8290207	Missing notice in dom.md
JDK-8290203	ProblemList vmTestbase/nsk/jvmti/scenarios/capability/CM03/cm03t001/TestDescription.java on linux-all
JDK-8290201	ProblemList com/sun/jdi/InvokeHangTest.java on macosx-x64 in vthread mode
JDK-8290197	test/jdk/java/nio/file/Files/probeContentType/Basic.java fails on some systems for the ".rar" extension
JDK-8290196	12.8: Clarify the definition of program exit
JDK-8290181	convert com/sun/management/UnixOperatingSystemMXBean/GetMaxFileDescriptorCount.sh to java version
JDK-8290180	Convert com/sun/management/UnixOperatingSystemMXBean/GetOpenFileDescriptorCount.sh to jtreg java version
JDK-8290177	Improve documentation in G1MMUTracker
JDK-8290169	adlc: Improve child constraints for vector unary operations

OpenJDK Patch ID	Synopsis
JDK-8290164	compiler/runtime/TestConstantsInError.java fails on riscv
JDK-8290162	Reset recursion counter missed in fix of JDK-8224267
JDK-8290154	[JVMCI] partially implement JVMCI for RISC-V
JDK-8290149	java/nio/file/Files/probeContentType/Basic.java fails on Windows Server 2019/2022
JDK-8290137	riscv: small refactoring for add_memory_int32/64
JDK-8290133	JFR: Remove unused methods in Bits.java
JDK-8290126	Add a check in JavadocTester for "javadoc should not crash"
JDK-8290115	ArrayCopyObject JMH has wrong package
JDK-8290095	java/nio/channels/FileChannel/largeMemory/LargeGatheringWrite.java timed out
JDK-8290090	Change CodeBlobType from unscoped enum to enum class
JDK-8290083	ResponseBodyBeforeError: AssertionError or SSLException: Unsupported or unrecognized SSL message
JDK-8290082	[PPC64] ZGC C2 load barrier stub needs to preserve vector registers
JDK-8290080	G1: Remove unnecessary is-obj-dead check in HeapRegion::do_oops_on_memregion_in_humongous
JDK-8290079	Reduce interaction with volatile in static initializer of BigInteger
JDK-8290075	[JVMCI] only blessed methods can link against EventWriterFactory.getEventWriter
JDK-8290074	Remove implicit arguments for RegisterMap constructor
JDK-8290071	Javadoc for MemorySegment/MemoryAddress getter/setters contains some typos
JDK-8290069	IGV: Highlight both graphs of difference in outline
JDK-8290067	Show stack dimensions in UL logging when attaching threads
JDK-8290066	Remove KNL specific handling for new CPU target check in IR annotation

OpenJDK Patch ID	Synopsis
JDK-8290065	[JVMCI] only check HotSpotCompiledCode stream is empty if installation succeeds
JDK-8290063	IGV: Give the graphs a unique number in the outline
JDK-8290062	Remove nmethodLocker for nmethods on-stack
JDK-8290059	Do not use std::thread in panama tests
JDK-8290047	(fs) FileSystem.getPathMatcher does not check for ":" at last index
JDK-8290046	NMT: Remove unused MallocSiteTable::reset()
JDK-8290041	ModuleDescriptor.hashCode is inconsistent
JDK-8290036	Define and specify Runtime shutdown sequence
JDK-8290034	Auto vectorize reverse bit operations.
JDK-8290033	ProblemList serviceability/jvmti/GetLocalVariable/GetLocalWithoutSuspendTest.java on windows-x64 in -Xcomp mode
JDK-8290027	Move inline functions from vm_version_x86.hpp to cpp
JDK-8290025	Remove the Sweeper
JDK-8290023	Remove use of IgnoreUnrecognizedVMOptions in gc tests
JDK-8290020	Deadlock in leakprofiler::emit_events during shutdown
JDK-8290019	Refactor HeapRegion::oops_on_memregion_iterate()
JDK-8290018	Remove dead declarations in G1BlockOffsetTablePart
JDK-8290017	Directly call HeapRegion::block_start in G1CObjArrayProcessor::process_slice
JDK-8290016	IGV: Fix graph panning when mouse dragged outside of window
JDK-8290013	serviceability/jvmti/GetLocalVariable/GetLocalWithoutSuspendTest.java failed "assert(!in_vm) failed: Undersized StackShadowPages"
JDK-8290011	IGV: Remove dead code and cleanup
JDK-8290010	IGV: Fix UndoRedo Action

OpenJDK Patch ID	Synopsis
JDK-8290004	[PPC64] JfrGetCallTrace: assert(_pc != nullptr) failed: must have PC
JDK-8290002	(se) AssertionError in SelectorImpl.implCloseSelector
JDK-8289997	gc/g1/TestVerificationInConcurrentCycle.java fails due to use of debug-only option
JDK-8289996	Fix array range check hoisting for some scaled loop iv
JDK-8289984	Files.isDirectory and isRegularFile methods not throwing SecurityException
JDK-8289954	C2: Assert failed in PhaseCFG::verify() after JDK-8183390
JDK-8289951	ProblemList jdk/jfr/api/consumer/TestRecordingFileWrite.java on linux-x64 and macosx-x64
JDK-8289949	Improve test coverage for XPath: operators
JDK-8289948	Improve test coverage for XPath functions: Node Set Functions
JDK-8289930	Improve Thread description of inherited AccessControlContext
JDK-8289925	Shared code shouldn't reference the platform specific method frame::interpreter_frame_last_sp()
JDK-8289919	[test] LoadLibraryUnloadTest.java failed with "Failed to unload native library"
JDK-8289917	Metadata for regionsRefilled of G1EvacuationStatistics event is wrong
JDK-8289910	unify os::message_box across posix platforms
JDK-8289908	Skip bounds check for cases when String is constructed from entirely used byte[]
JDK-8289894	A NullPointerException thrown from guard expression
JDK-8289872	wrong wording in @param doc for HashMap.newHashMap et. al.
JDK-8289857	ProblemList jdk/jfr/event/runtime/TestActiveSettingEvent.java
JDK-8289856	[PPC64] SIGSEGV in C2Compiler::init_c2_runtime() after JDK-8289060
JDK-8289853	Update HarfBuzz to 4.4.1

OpenJDK Patch ID	Synopsis
JDK-8289848	Update Standard Algorithm Names document in accordance with JDK-8289602
JDK-8289841	ProblemList vmTestbase/gc/gctests/MemoryEaterMT/MemoryEaterMT.java with ZGC on windows
JDK-8289840	ProblemList vmTestbase/nsk/jdwp/ThreadReference/ForceEarlyReturn/forceEarlyReturn002/forceEarlyReturn002.java when run with vthread wrapper
JDK-8289838	ZGC: OOM before clearing all SoftReferences
JDK-8289804	Remove redundant stream() call before forEach in jdk.jshell
JDK-8289801	[IR Framework] Add flags to whitelist which can be used to simulate a specific machine setup like UseAVX
JDK-8289800	G1: G1CollectionSet::finalize_young_part clears survivor list too early
JDK-8289799	Build warning in methodData.cpp memset zero-length parameter
JDK-8289797	tools/launcher/I18NArgTest.java fails on Japanese Windows environment
JDK-8289780	Avoid formatting stub names when Forte is not enabled
JDK-8289779	Map::replaceAll javadoc has redundant @throws clauses
JDK-8289778	ZGC: incorrect use of os::free() for mountpoint string handling after JDK-8289633
JDK-8289775	Update java.lang.invoke.MethodHandle[s] to use snippets
JDK-8289768	Clean up unused code
JDK-8289764	gc/lock tests failed with "OutOfMemoryError: Java heap space: failed reallocation of scalar replaced objects"
JDK-8289763	Remove NULL check in CDSProtectionDomain::init_security_info()
JDK-8289745	JfrStructCopyFailed uses heap words instead of bytes for object sizes
JDK-8289743	AArch64: Clean up patching logic
JDK-8289740	Add verification testing during all concurrent phases in G1

OpenJDK Patch ID	Synopsis
JDK-8289739	Add G1 specific GC breakpoints for testing
JDK-8289730	Deprecated code sample in java.lang.ClassCastException
JDK-8289729	G1: Incorrect verification logic in G1ConcurrentMark::clear_next_bitmap
JDK-8289710	Move Suspend/Resume classes out of os.hpp
JDK-8289709	fatal error: stuck in JvmtiVTMSTransitionDisabler::disable_VTMS_transitions
JDK-8289706	(cs) Avoid redundant TreeMap.containsKey call in AbstractCharsetProvider
JDK-8289698	AArch64: Need to relativize extended_sp in frame
JDK-8289697	buffer overflow in MTLVertexCache.m: MTLVertexCache_AddGlyphQuad
JDK-8289695	[TESTBUG] TestMemoryAwareness.java fails on cgroups v2 and crun
JDK-8289692	JFR: Thread checkpoint no longer enforce mutual exclusion post Loom integration
JDK-8289689	(fs) Re-examine the need for normalization to Unicode Normalization Format D (macOS)
JDK-8289688	jfr command hangs when it processes invalid file
JDK-8289687	[JVMCI] bug in HotSpotResolvedJavaMethodImpl.equals
JDK-8289659	Refactor I/O stream copying to use InputStream.readAllBytes in X509CertPath
JDK-8289658	Avoid redundant LinkedHashMap.get call in TagletManager.addNewSimpleCustomTag
JDK-8289647	AssertionError during annotation processing of record related tests
JDK-8289643	File descriptor leak with ProcessBuilder.startPipeline
JDK-8289633	Forbid raw C-heap allocation functions in hotspot and fix findings
JDK-8289620	gtest/MetaspaceUtilsGtests.java failed with unexpected stats values
JDK-8289619	JVMTI SelfSuspendDisablerTest.java failed with RuntimeException: Test FAILED: Unexpected thread state

OpenJDK Patch ID	Synopsis
JDK-8289617	Remove test/jdk/java/net/ServerSocket/ThreadStop.java
JDK-8289616	Drop use of Thread.stop in AppContext
JDK-8289613	Drop use of Thread.stop in jshell
JDK-8289612	Change hotspot/jtreg tests to not use Thread.stop
JDK-8289610	Degrade Thread.stop
JDK-8289608	Change com/sun/jdi tests to not use Thread.suspend/resume
JDK-8289607	Change hotspot/jtreg tests to not use Thread.suspend/resume
JDK-8289604	compiler/vectorapi/VectorLogicalOpIdentityTest.java failed on x86 AVX1 system
JDK-8289603	JDK-8170762 had incorrect copyright format
JDK-8289601	SegmentAllocator::allocateUtf8String(String str) should be clarified for strings containing \0
JDK-8289585	ProblemList sun/tools/jhsdb/JStackStressTest.java on linux-aarch64
JDK-8289584	(fs) Print size values in java/nio/file/FileStore/Basic.java when they differ by > 1GiB
JDK-8289583	14.11.1: Typo in grammar for guarded pattern
JDK-8289575	G1: Remove unnecessary is-marking-active check in G1BarrierSetRuntime::write_ref_field_pre_entry
JDK-8289572	InputStream wrapping with BufferedInputStream is redundant in HttpTimestamp
JDK-8289570	SegmentAllocator::allocateUtf8String(String str) default behavior mismatch to spec
JDK-8289569	[test] java/lang/ProcessBuilder/Basic.java fails on Alpine/musl
JDK-8289562	Change bugs.java.com and bugreport.java.com URL's to https
JDK-8289561	java/lang/instrument/NativeMethodPrefixAgent.java fails with "ERROR: Injection failure: java.lang.UnsupportedOperationException: Records requires ASM8"

OpenJDK Patch ID	Synopsis
JDK-8289559	java/awt/a11y/AccessibleJPopupMenuTest.java test fails with java.lang.NullPointerException
JDK-8289558	Need spec clarification of j.l.foreign.*Layout
JDK-8289552	Make intrinsic conversions between bit representations of half precision values and floats
JDK-8289551	Conversions between bit representations of half precision values and floats
JDK-8289549	ISO 4217 Amendment 172 Update
JDK-8289538	Make G1BlockOffsetTablePart unaware of block sizes
JDK-8289534	Change 'uncomplicated' hotspot runtime options
JDK-8289526	java/nio/channels/FileChannel/MapTest.java times out
JDK-8289524	Add JFR JIT restart event
JDK-8289520	G1: Remove duplicate checks in G1BarrierSetC1::post_barrier
JDK-8289512	Fix GCC 12 warnings for adlc output_c.cpp
JDK-8289511	Improve test coverage for XPath Axes: child
JDK-8289510	Improve test coverage for XPath Axes: namespace
JDK-8289509	Improve test coverage for XPath Axes: descendant, descendant-or-self, following, following-sibling
JDK-8289508	Improve test coverage for XPath Axes: ancestor, ancestor-or-self, preceding, and preceding-sibling
JDK-8289486	Improve XSLT XPath operators count efficiency
JDK-8289484	Cleanup unnecessary null comparison before instanceof check in java.rmi
JDK-8289477	Memory corruption with CPU_ALLOC, CPU_FREE on muslc
JDK-8289471	Issue in Initialization of keys in ErrorMsg.java and XPATHErrorResources.java

OpenJDK Patch ID	Synopsis
JDK-8289440	Remove vmTestbase/nsk/monitoring/MemoryPoolMBean/isCollectionUsageThresholdExceeded/isexceeded003 from ProblemList.txt
JDK-8289439	Clarify relationship between ThreadStart/ThreadEnd and can_support_virtual_threads capability
JDK-8289436	Make the redefine timer statistics more accurate
JDK-8289434	x86_64: Improve comment on gen_continuation_enter()
JDK-8289431	(zipfs) Avoid redundant HashMap.get in ZipFileSystemProvider.removeFileSystem
JDK-8289427	compiler/compilercontrol/jcmd/ClearDirectivesFileStackTest.java failed with null setting
JDK-8289422	Fix and re-enable vector conditional move
JDK-8289421	No-PCH build for Minimal VM was broken by JDK-8287001
JDK-8289401	Add dump output to TestRawRSACipher.java
JDK-8289400	Improve com/sun/jdi/TestScaffold error reporting
JDK-8289399	Update SourceVersion to use snippets
JDK-8289398	ProblemList jdk/jfr/api/consumer/recordingstream/TestOnEvent.java on linux-x64 again
JDK-8289385	Cleanup redundant synchronization in Http2ClientImpl
JDK-8289365	SegmentAllocator:allocateArray(MemoryLayout, count) does not throw IAEx when count is -1
JDK-8289335	restructure table at end of Doc Comment Spec
JDK-8289334	Use CSS variables to define fonts and colors
JDK-8289333	Specification of method j.l.foreign.Valist::skip deserves clarification
JDK-8289332	Auto-generate ids for user-defined headings
JDK-8289301	P11Cipher should not throw out of bounds exception during padding

OpenJDK Patch ID	Synopsis
JDK-8289291	HttpServer sets incorrect value for "max" parameter in Keep-Alive header value
JDK-8289284	jdk.tracePinnedThreads output confusing when pinned due to native frame
JDK-8289278	Suspend/ResumeAllVirtualThreads need both can_suspend and can_support_virtual_threads
JDK-8289275	Remove incorrect __declspec(dllimport) attributes from pointers in jdk.crypto.cryptoki
JDK-8289274	Cleanup unnecessary null comparison before instanceof check in security modules
JDK-8289260	BigDecimal movePointLeft() and movePointRight() do not follow their API spec
JDK-8289258	ProblemList some failing custom loader tests with ZGC
JDK-8289257	Some custom loader tests failed due to symbol refcount not decremented
JDK-8289252	Recommend Locale.of() method instead of the constructor
JDK-8289251	ProblemList java/lang/ref/OOMEInReferenceHandler.java
JDK-8289249	Add methods to Elements for record constructors
JDK-8289240	ProblemList java/lang/reflect/callerCache/ReflectionCallerCacheTest.java in -Xcomp mode
JDK-8289238	Refactoring changes to PassFailJFrame Test Framework
JDK-8289235	ProblemList vmTestbase/nsk/jdi/ClassType/invokeMethod/invokeMethod011/TestDescription.java when run with vthread wrapper
JDK-8289230	Move PlatformXXX class declarations out of os_xxx.hpp
JDK-8289228	SegmentAllocator::allocateArray null handling is too lax
JDK-8289223	Canonicalize header ids in foreign API javadocs

OpenJDK Patch ID	Synopsis
JDK-8289208	Test DrawRotatedStringUsingRotatedFont.java occasionally crashes on MacOS
JDK-8289196	Pattern domination not working properly for record patterns
JDK-8289188	SegmentAllocator:allocateArray(*) default behavior mismatch to spec
JDK-8289186	Support predicated vector load/store operations over X86 AVX2 targets.
JDK-8289184	runtime/ClassUnload/DictionaryDependsTest.java failed with "Test failed: should be unloaded"
JDK-8289183	jdk.jfr.consumer.RecordedThread.getId references Thread::getId, should be Thread::threadId
JDK-8289182	NMT: MemTracker::baseline should return void
JDK-8289166	ProblemList tools/jlink/plugins/CompressorPluginTest.java
JDK-8289164	Convert ResolutionErrorTable to use ResourceHashtable
JDK-8289162	runtime/NMT/ThreadedMallocTestType.java should print out memory allocations to help debug
JDK-8289156	j.l.foreign.VaList::skip call could throw java.lang.IndexOutOfBoundsException: Out of bound access on segment
JDK-8289148	j.l.foreign.VaList::nextVarg call could throw IndexOutOfBoundsException or even crash the VM
JDK-8289147	unify os::infinite_sleep on posix platforms
JDK-8289146	containers/docker/TestMemoryWithCgroupV1.java fails on linux ppc64le machine with missing Memory and Swap Limit output
JDK-8289138	G1: Remove redundant is-marking-active checks in C1 barrier
JDK-8289137	Automatically adapt Young/OldPLABSize and when setting only MinTLABSize
JDK-8289129	[BACKOUT] JDK-8287281 adjust guarantee in Handshake::execute for the case of target thread being current
JDK-8289127	Apache Lucene triggers: DEBUG MESSAGE: duplicated predicate failed which is impossible

OpenJDK Patch ID	Synopsis
JDK-8289126	Cleanup unnecessary null comparison before instanceof check in jdk.hotspot.agent
JDK-8289106	Add model of class file versions to core reflection
JDK-8289098	clean up ported serviceability/jvmti tests
JDK-8289095	(fs) UnixCopyFile build error on linux-x86
JDK-8289094	[JVMCI] reduce JNI overhead and other VM rounds trips in JVMCI
JDK-8289093	BlockLocationPrinter fails to decode addresses with G1
JDK-8289091	move oop safety check from SharedRuntime::get_java_tid() to JavaThread::threadObj()
JDK-8289079	java/lang/Thread/jni/AttachCurrentThread/AttachTest.java#id1 failed with "RuntimeException: Test failed"
JDK-8289078	Make STARTTIME_ANY and STARTTIME_PROCESS_UNKNOWN fields static in ProcessHandleImpl
JDK-8289073	(fs) UnsatisfiedLinkError for sun.nio.fs.UnixCopyFile.bufferedCopy0()
JDK-8289071	Compute allocation sizes of stubs and nmethods outside of lock protection
JDK-8289069	Very slow C1 arraycopy jcstress tests after JDK-8279886
JDK-8289060	Undefined Behaviour in class VMReg
JDK-8289051	C2: Cleanup PhaseCCP::analyze()
JDK-8289049	x86_32 build fails with GCC 11 due to newString646_US warning
JDK-8289046	Undefined Behaviour in x86 class Assembler
JDK-8289030	[macos] app image signature invalid when creating DMG or PKG
JDK-8289006	Cleanup from thread.hpp split
JDK-8289004	investigate if SharedRuntime::get_java_tid parameter should be a JavaThread*
JDK-8289003	JavaThread::check_is_terminated() implementation should rely on Thread-SMR

OpenJDK Patch ID	Synopsis
JDK-8289002	Minimal x86_64 VM build fails with GCC 11: 'this' pointer is null
JDK-8288994	Incorrect @since tags for @value update in JDK-8286101
JDK-8288993	Make AwtFramePackTest generic by removing @requires tag
JDK-8288992	AArch64: CMN should be handled the same way as CMP
JDK-8288988	ProblemList serviceability/jvmti/vthread/ContStackDepthTest/ContStackDepthTest.java in -Xcomp mode
JDK-8288985	P11TlsKeyMaterialGenerator should work with ChaCha20-Poly1305
JDK-8288984	Simplification in java.lang.Runtime::exit
JDK-8288983	broken link in com.sun.net.httpserver.SimpleFileServer
JDK-8288982	JFR: Log event streaming actions
JDK-8288979	Improve CLDRConverter run time
JDK-8288976	classfile parser 'wrong name' error message has the names the wrong way around
JDK-8288971	AArch64: Clean up stack and register handling in interpreter
JDK-8288966	Better handle very spiky promotion in G1
JDK-8288961	jpackage: test MSI installation fix
JDK-8288949	serviceability/jvmti/vthread/ContStackDepthTest/ContStackDepthTest.java failing
JDK-8288948	Few J2DBench tests indicate lower primitive drawing performance with metal rendering pipeline
JDK-8288947	G1: Consolidate per-region is-humongous query in G1CollectedHeap
JDK-8288935	Remove excessive includes introduced in loom
JDK-8288933	Improve the implementation of Double/Float.isInfinite
JDK-8288926	make runtime/logging/DeoptStats.java more reliable

OpenJDK Patch ID	Synopsis
JDK-8288907	serviceability/jvmti/vthread/SuspendResume1/SuspendResume1.java fails with -XX:TieredStopAtLevel=2,3
JDK-8288904	Incorrect memory ordering in UL
JDK-8288897	Clean up node dump code
JDK-8288895	LdapContext doesn't honor set referrals limit
JDK-8288883	C2: assert(allow_address
	t != T_ADDRESS) failed after JDK-8283091
JDK-8288882	JFileChooser - empty (0 bytes) file is displayed as 1 KB
JDK-8288854	getLocalGraphicsEnvironment() on for multi-screen setups throws exception NPE
JDK-8288850	SegmentAllocator:allocate() can return null some cases
JDK-8288846	misc tests fail "assert(ms < 1000) failed: Un-interruptable sleep, short time use only"
JDK-8288840	StructureViolationException should not link to fork method
JDK-8288838	jpackage: file association additional arguments
JDK-8288836	(fs) Files.writeString spec for IOException has "specified charset" when no charset is provided
JDK-8288824	[arm32] Display isetstate in register output
JDK-8288781	C1: LIR_OpVisitState::maxNumberOfOperands too small
JDK-8288769	Revert unintentional change to deflate.c
JDK-8288761	SegmentAllocator:allocate(long bytesSize) not throwing IAEEx when bytesSize < 0
JDK-8288759	GCC 12 fails to compile signature.cpp due to -Wstringop-overread
JDK-8288754	GCC 12 fails to build zReferenceProcessor.cpp
JDK-8288752	Split thread implementation files
JDK-8288750	IGV: Improve Shortcuts

OpenJDK Patch ID	Synopsis
JDK-8288746	HttpClient resources could be reclaimed more eagerly
JDK-8288744	Remove tools/jlink/plugins/CompressorPluginTest.java from problemist
JDK-8288741	JFR: Change package name of snippet files
JDK-8288732	Reduce runtime of java.util.concurrent microbenchmarks
JDK-8288724	Prevent NullPointerException in serviceability/tmtools/jstack/DaemonThreadTest.java if jstack process fails
JDK-8288723	Avoid redundant ConcurrentHashMap.get call in java.time
JDK-8288719	[arm32] SafeFetch32 thumb interleaving causes random crashes
JDK-8288717	Add a means to close idle connections in HTTP/2 connection pool
JDK-8288708	15.12.4.2: Clarify that a method's invocation type is used for varargs method
JDK-8288707	javax/swing/JToolBar/4529206/bug4529206.java: setFloating does not work correctly
JDK-8288706	Unused parameter 'boolean newLn' in method java.lang.VersionProps#print(boolean, boolean)
JDK-8288703	GetThreadState returns 0 for virtual thread that has terminated
JDK-8288699	cleanup HTML tree in HtmlDocletWriter.commentTagsToContent
JDK-8288697	Clarify lifecycle of buffer segments and loader lookup
JDK-8288692	jdk/javadoc/doclet/testTagMisuse/TestTagMisuse.java fails after JDK-8288545
JDK-8288687	(fc) Unix version of FileChannelImpl.transferTo0() should should return IOS_UNSUPPORTED if not Linux, macOS, nor AIX
JDK-8288685	JFR: Use static methods for Active Recording and Active Setting events
JDK-8288683	C2: And node gets wrong type due to not adding it back to the worklist in CCP
JDK-8288673	Reduce runtime of java.time microbenchmarks

OpenJDK Patch ID	Synopsis
JDK-8288671	Problematic fix for font boosting
JDK-8288669	compiler/vectorapi/VectorFPtoIntCastTest.java still fails with "IRViolationException: There were one or multiple IR rule failures."
JDK-8288667	Reduce runtime of java.text microbenchmarks
JDK-8288663	JFR: Disabling the JfrThreadSampler commits only a partially disabled state
JDK-8288651	CDS test HelloUnload.java should not use literal string as ClassLoader name
JDK-8288648	(jni spec) Description of 3rd parameter to AttachCurrentThread is confusing
JDK-8288633	The ICC_ColorSpace.fromCIEXYZ method uses the wrong rendering intent
JDK-8288628	Unnecessary Hashtable usage in ConditionalSpecialCasing
JDK-8288624	Cleanup CommentHelper.getText0
JDK-8288623	Move Continuation classes out of javaClasses.hpp
JDK-8288616	Updating Java Security Standard Algorithm Names
JDK-8288601	Consolidate static/dynamic archive tables
JDK-8288599	com/sun/management/OperatingSystemMXBean/TestTotalSwap.java: Expected total swap size ... but getTotalSwapSpaceSize returned ...
JDK-8288596	Random.from() adapter does not delegate to supplied generator in all cases
JDK-8288594	Address possibly lossy conversions in java.base FloatToDecimal
JDK-8288589	Files.readString ignores encoding errors for UTF-16
JDK-8288573	Make Executable.getParameterCount() actually abstract
JDK-8288568	Reduce runtime of java.security microbenchmarks
JDK-8288564	C2: LShiftLNode::Ideal produces wrong result after JDK-8278114
JDK-8288556	VM crashes if it gets sent SIGUSR2 from outside

OpenJDK Patch ID	Synopsis
JDK-8288545	Missing space in error message
JDK-8288537	Move Devirtualizer out of hotspot/share/memory/iterator.hpp
JDK-8288536	broken link in specs/index.html
JDK-8288534	Out of bound errors for memory segment access mentions wrong values
JDK-8288533	Missing @param tags in com.sun.source classes
JDK-8288532	additional review changes for JDK-8286830
JDK-8288531	Empty spans in mobile navigation markup
JDK-8288530	ProblemList serviceability/jvmti/VMObjectAlloc/VMObjectAllocTest.java in -Xcomp mode
JDK-8288529	broken link in java.xml
JDK-8288528	broken links in java.desktop
JDK-8288527	broken link in java.base/java/util/zip/package-summary.html
JDK-8288526	ProblemList gc/stress/TestStressG1Humongous.java on windows-x64
JDK-8288524	Allow @systemProperty to appear in overview documentation
JDK-8288515	(ch) Unnecessary use of Math.addExact() in java.nio.channels.FileLock.overlaps()
JDK-8288497	add support for JavaThread::is_oop_safe()
JDK-8288495	[test] Make OutputAnalyzer exception more informative
JDK-8288493	Document JDK specific system properties in jdk.httpserver
JDK-8288485	jni/nullCaller/NullCallerTest.java failing (ppc64)
JDK-8288482	JFR: Cannot resolve method
JDK-8288480	IGV: toolbar action is not applied to the focused graph
JDK-8288478	AArch64: Clean up whitespace in assembler_aarch64.hpp
JDK-8288477	nmethod header size reduction
JDK-8288474	Move EventContinuationFreezeOld from try_freeze_fast to freeze_slow

OpenJDK Patch ID	Synopsis
JDK-8288473	Remove unused frame::set_pc_preserve_deopt methods
JDK-8288468	Avoid redundant HashMap.get call in NegotiateAuthentication.firstToken
JDK-8288467	remove memory_operand assert for spilled instructions
JDK-8288445	AArch64: C2 compilation fails with guarantee(!true (true && (shift != 0))) failed: impossible encoding
JDK-8288444	Remove the workaround for frame.pack() in ModalDialogTest
JDK-8288443	Simplify vmClasses::resolve_all()
JDK-8288425	Footprint regression due MH creation when initializing StringConcatFactory
JDK-8288421	IGV: warn user about all unreachable nodes
JDK-8288414	Long::compress/expand samples are not correct
JDK-8288397	AArch64: Fix register issues in SVE backend match rules
JDK-8288387	GetLocalXXX/SetLocalXXX spec should require suspending target thread
JDK-8288378	[BACKOUT] DST not applying properly with zone id offset set with TZ env variable
JDK-8288377	[REDO] DST not applying properly with zone id offset set with TZ env variable
JDK-8288368	simplify code in ValueTaglet, remove redundant code
JDK-8288365	ProblemList java/lang/reflect/callerCache/ReflectionCallerCacheTest.java in -Xcomp on macosx-x64 and windows-x64
JDK-8288360	CI: cilInstanceKlass::implementor() is not consistent for well-known classes
JDK-8288332	Tier1 validate-source fails after 8279614
JDK-8288330	Avoid redundant ConcurrentHashMap.get call in Http2ClientImpl.deleteConnection
JDK-8288329	Avoid redundant TreeMap.containsKey call in PolicyParser.read

OpenJDK Patch ID	Synopsis
JDK-8288327	Executable.hasRealParameterData should not be volatile
JDK-8288325	[windows] Actual and Preferred Size of AWT Non-resizable frame are different
JDK-8288324	Loom: Uninitialized JvmtiEnvs in VM_Virtual* ops
JDK-8288309	Rename the "testTagInheritance" directory
JDK-8288303	C1: Miscompilation due to broken Class.getModifiers intrinsic
JDK-8288302	Shenandoah: SIGSEGV in vm maybe related to jit compiling xerces
JDK-8288300	AArch64: Remove the assertion in fmovs/fmovd(FloatRegister, FloatRegister)
JDK-8288294	[vector] Add Identity/Ideal transformations for vector logic operations
JDK-8288289	Preview APIs in jdk.jdi, jdk.management, and jdk.jfr should be reflective preview APIs
JDK-8288282	Zero-release build is broken after JDK-8279047 due to UseHeavyMonitors is read-only
JDK-8288281	compiler/vectorapi/VectorFPtoIntCastTest.java failed with "IRViolationException: There were one or multiple IR rule failures."
JDK-8288270	Tier1 build failures after JDK-8287178
JDK-8288232	Address typos in jar man page
JDK-8288227	Refactor annotation implementation to use pattern matching for instanceof
JDK-8288222	ProblemList serviceability/jvmti/vthread/VThreadNotifyFramePopTest/VThreadNotifyFramePopTest.java
JDK-8288214	serviceability/jvmti/vthread/VThreadNotifyFramePopTest/VThreadNotifyFramePopTest.java test failed
JDK-8288209	SSL debug message wrong about unsupported authentication scheme
JDK-8288207	Enhance MalformedURLException in Uri.parseCompat

OpenJDK Patch ID	Synopsis
JDK-8288204	GVN Crash: assert() failed: correct memory chain
JDK-8288203	runtime/ClassUnload/UnloadTestWithVerifyDuringGC.java fails with release VMs
JDK-8288181	AArch64: clean up out-of-date comments
JDK-8288180	C2: VectorPhase must ensure that SafePointNode memory input is a MergeMemNode
JDK-8288173	JDK-8202449 fix causes conformance test failure : api/java_util/Random/RandomGenerator/NextFloat.html
JDK-8288166	Add an anchor to each option on jpackage man page
JDK-8288148	applications/jetty/Jetty.java should be fixed for jdk 20
JDK-8288145	Update man page for JDK-8281445
JDK-8288141	Add an anchor to each option on javadoc man page
JDK-8288140	Avoid redundant Hashtable.get call in Signal.handle
JDK-8288139	JavaThread touches oop after GC barrier is detached
JDK-8288134	Super class names don't have envelopes
JDK-8288132	Update test artifacts in QuoVadis CA interop tests
JDK-8288130	compiler error with AP and explicit record accessor
JDK-8288129	Shenandoah: Skynet test crashed with iu + aggressive
JDK-8288128	S390X: Fix crashes after JDK-8284161 (Virtual Threads)
JDK-8288121	[JVMCI] Re-export the TerminatingThreadLocal functionality to the graal compiler.
JDK-8288120	VerifyError with JEP 405 pattern match
JDK-8288112	C2: Error: ShouldNotReachHere() in Type::typerr()
JDK-8288107	Auto-vectorization for integer min/max
JDK-8288105	[PPC64] Problems with -XX:+VerifyStack
JDK-8288101	False build warning-as-error with GCC 9 after JDK-8214976

OpenJDK Patch ID	Synopsis
JDK-8288094	cleanup old _MSC_VER handling
JDK-8288080	(fc) FileChannel::map for MemorySegments should state it always throws UOE
JDK-8288067	Avoid redundant HashMap.containsKey call in Type1Font.expandAbbreviation
JDK-8288064	Class initialization locking
JDK-8288058	Broken links on constant-values page
JDK-8288047	Accelerate Poly1305 on x86_64 using AVX512 instructions
JDK-8288046	Clean up ThrowsTaglet
JDK-8288045	Clean up ParamTaglet
JDK-8288043	Optimize FP to word/sub-word integral type conversion on X86 AVX2 platforms
JDK-8288022	c2: Transform (CastLL (AddL into (AddL (CastLL when possible
JDK-8288021	Add hard test cases to jdk.internal.math.DoubleToDecimalChecker
JDK-8288013	jpackage: test utility Windows registry enhancement
JDK-8288012	AArch64: unnecessary macro expansion in stubGenerator_aarch64
JDK-8288011	StringConcatFactory: Split application of stringifiers
JDK-8288005	HotSpot build with disabled PCH fails for Windows AArch64
JDK-8288003	log events for os::dll_unload
JDK-8287984	AArch64: [vector] Make all bits set vector sharable for match rules
JDK-8287982	Concurrent implicit attach from native threads crashes VM
JDK-8287971	Throw exception for missing values in .jpackage.xml
JDK-8287926	AArch64: intrinsics for divideUnsigned and remainderUnsigned methods in java.lang.Integer and java.lang.Long
JDK-8287924	Avoid redundant HashMap.containsKey call in EnvHelp.mapToHashtable

OpenJDK Patch ID	Synopsis
JDK-8287917	System.loadLibrary does not work on Big Sur if JDK is built with macOS SDK 10.15 and earlier
JDK-8287912	GTK L&F : Background of tree icons are red
JDK-8287908	Use non-cloning reflection methods where acceptable
JDK-8287905	Reduce runtime of java.nio microbenchmarks
JDK-8287904	Reduce runtime of java.net microbenchmarks
JDK-8287902	UnreadableRB case in MissingResourceCauseTest is not working reliably on Windows
JDK-8287889	(fs) Files.copy description of REPLACE_EXISTING is hard to read
JDK-8287868	Localized names update in COMPAT locale provider
JDK-8287851	C2 crash: assert(t0==t) failed: Not monotonic
JDK-8287847	Fatal Error when suspending virtual thread after it has terminated
JDK-8287835	Add support for additional float/double to integral conversion for x86
JDK-8287832	jdk/jfr/event/runtime/TestActiveSettingEvent.java failed with "Expected two batches of Active Setting events"
JDK-8287818	Shenandoah: adapt nmethod arming from Loom
JDK-8287809	Revisit implementation of memory session
JDK-8287805	Shenandoah: consolidate evacuate-update-root closures
JDK-8287801	Fix test-bugs related to stress flags
JDK-8287800	JFR: Incorrect error message when starting recording with missing .jfc file
JDK-8287796	Stop auto-inheriting documentation for subclasses of exceptions whose documentation is inherited
JDK-8287794	Reverse*VNode::Identity problem
JDK-8287771	Remove useless G1 After GC summary refinement and sampling thread times

OpenJDK Patch ID	Synopsis
JDK-8287760	--do-not-resolve-by-default gets overwritten if --warn-if-resolved flags is used
JDK-8287743	javax/swing/text/CSSBorder/6796710/bug6796710.java failed
JDK-8287699	jdk/jfr/api/consumer/TestRecordingFileWrite.java fails with exception: java.lang.Exception: Found event that should not be there.
JDK-8287696	Avoid redundant Hashtable.containsKey call in JarVerifier.doneWithMeta
JDK-8287672	jtest test com/sun/jndi/ldap/LdapPoolTimeoutTest.java fails intermittently in nightly run
JDK-8287647	VM debug support: find node by pattern in name or dump
JDK-8287603	Avoid redundant HashMap.containsKey calls in NimbusDefaults.getDerivedColor
JDK-8287597	List all preview features on the javadoc PREVIEW page
JDK-8287596	Reorg jdk.test.lib.util.ForceGC
JDK-8287593	ShortResponseBody could be made more resilient to rogue connections
JDK-8287580	(se) CancelledKeyException during channel registration
JDK-8287569	14.11.1: Grammar for a guarded pattern switch label is ambiguous
JDK-8287525	Extend IR annotation with new options to test specific target feature.
JDK-8287401	jpackage tests failing on Windows due to powershell issue
JDK-8287400	Make BitMap range parameter names consistent
JDK-8287397	Print top-level exception when snippet fails to read file
JDK-8287394	AArch64: Remove cbuf parameter from far_call/far_jump/trampoline_call
JDK-8287393	AArch64: Remove trampoline_call1
JDK-8287379	Using @inheritDoc in an inapplicable context shouldn't crash javadoc
JDK-8287373	remove unnecessary paddings in generated code
JDK-8287349	AArch64: Merge LDR instructions to improve C1 OSR performance
JDK-8287312	G1: Early return on first failure in VerifyRegionClosure

OpenJDK Patch ID	Synopsis
JDK-8287281	adjust guarantee in Handshake::execute for the case of target thread being current
JDK-8287227	Shenandoah: A couple of virtual thread tests failed with iu mode even without Loom enabled.
JDK-8287217	C2: PhaseCCP: remove not visited nodes, prevent type inconsistency
JDK-8287186	JDK modules participating in preview
JDK-8287180	Update IANA Language Subtag Registry to Version 2022-08-08
JDK-8287178	IntegerModuloP::multiplicativeInverse returns 0 for 0
JDK-8287124	RenaissanceStressTest.java failed
JDK-8287094	IGV: show node input numbers in edge tooltips
JDK-8287076	Document.normalizeDocument() produces different results
JDK-8287028	AArch64: [vectorapi] Backend implementation of VectorMask.fromLong with SVE2
JDK-8287011	Improve container information
JDK-8287007	[cgroups] Consistently use stringStream throughout parsing code
JDK-8287001	Add warning message when fail to load hsdisk libraries
JDK-8286962	java/net/httpclient/ServerCloseTest.java failed once with ConnectException
JDK-8286957	Held monitor count
JDK-8286941	Add mask IR for partial vector operations for ARM SVE
JDK-8286844	com/sun/jdi/RedefineCrossEvent.java failed with 1 threads completed while VM suspended
JDK-8286800	Assert in PhaseIdealLoop::dump_real_LCA is too strong
JDK-8286779	javax.crypto.CryptoPolicyParser#isConsistent always returns 'true'
JDK-8286707	JFR: Don't commit JFR internal jdk.JavaMonitorWait events
JDK-8286666	JEP 429: Implementation of Scoped Values (Incubator)

OpenJDK Patch ID	Synopsis
JDK-8286624	Regression Test CoordinateTruncationBug.java fails on OL8.3
JDK-8286610	Add additional diagnostic output to java/net/DatagramSocket/InterruptibleDatagramSocket.java
JDK-8286580	serviceability/jvmti/vthread/GetSetLocalTest failed with assert: Not supported for heap frames
JDK-8286575	Document how properties in java.security are parsed
JDK-8286431	Do not use resource array in posix mmap_attach_shared()
JDK-8286397	Address possibly lossy conversions in jdk.hotspot.agent
JDK-8286395	Address possibly lossy conversions in java.security.jgss
JDK-8286394	Address possibly lossy conversions in jdk.naming.dns
JDK-8286389	Address possibly lossy conversions in jdk.crypto.ec
JDK-8286314	Trampoline not created for far runtime targets outside small CodeCache
JDK-8286313	[macos] Voice over reads the boolean value as null in the JTable
JDK-8286302	Port JEP 425 to PPC64
JDK-8286301	Port JEP 425 to RISC-V
JDK-8286270	[java.desktop] Replace color search in XColors with a switch statement
JDK-8286259	Password cleanup after KeyStore.PasswordProtection in P11KeyStore
JDK-8286197	C2: Optimize MemorySegment shape in int loop
JDK-8286185	The Java manpage can be more platform inclusive
JDK-8286176	Add JNI_VERSION_19 to jni.h and JNI spec
JDK-8286172	Create an automated test for JDK-4516019
JDK-8286171	HttpClient/2 : Expect:100-Continue blocks indefinitely when response is not 100
JDK-8286160	(fs) Files.exists returns unexpected results with C:\pagefile.sys because it's not readable
JDK-8286104	use aggressive liveness for unstable_if traps

OpenJDK Patch ID	Synopsis
JDK-8286103	VThreadMonitorTest fails "assert(!current≠cont_fastpath() (current≠cont_fastpath_thread_state()) && !interpreted_native_or_deoptimized_on_stack(current))) failed"
JDK-8286101	Support formatting in @value tag
JDK-8286036	4.1: Allow v64.0 class files for Java SE 20
JDK-8286035	Add source 20 and target 20 to javac
JDK-8286034	Add SourceVersion.RELEASE_20
JDK-8286030	Avoid JVM crash when containers share the same /tmp dir
JDK-8285935	Spurious lint warning for static method accessed through instance qualifier
JDK-8285838	DST not applying properly with zone id offset set with TZ env variable
JDK-8285836	sun/net/www/http/KeepAliveCache/KeepAliveProperty.java failed with "RuntimeException: Failed in server"
JDK-8285835	SIGSEGV in PhaseIdealLoop::build_loop_late_post_work
JDK-8285792	Posix signal handler modification checking issues.
JDK-8285790	AArch64: Merge C2 NEON and SVE matching rules
JDK-8285635	javax/swing/JRootPane/DefaultButtonTest.java failed with Default Button not pressed for L&F: com.sun.java.swing.plaf.motif.MotifLookAndFeel
JDK-8285604	closed sun/java2d/GdiRendering/ClipShapeRendering.java failed with "Incorrect color ffeeeeeee instead of ff0000ff in pixel (100, 100)"
JDK-8285521	Minor improvements in java.net.URI
JDK-8285519	Change usages of TimeUnit.convert to TimeUnit.toXXX
JDK-8285488	Improve DocFinder
JDK-8285487	AArch64: Do not generate unneeded trampolines for runtime calls
JDK-8285405	add test and check for negative argument to HashMap::newHashMap et al

OpenJDK Patch ID	Synopsis
JDK-8285383	vmTestbase/nsk/jvmti/scenarios/hotswap/HS204/hs204t001/hs204t001.java failed with "exit code: 96"
JDK-8285364	Remove REF_ enum for java.lang.ref.Reference
JDK-8285306	Fix typos in java.desktop
JDK-8285263	Minor cleanup could be done in java.security
JDK-8284997	arm32 build crashes since JDK-8283326
JDK-8284990	AArch64: Remove STXR_PREFETCH from CPU features
JDK-8284977	MetricsTesterCgroupV2.getLongValueEntryFromFile fails when named value doesn't exist
JDK-8284942	Proxy building can just iterate superinterfaces once
JDK-8284858	Start of release updates for JDK 20
JDK-8284851	Update javax.crypto files to use proper javadoc for mentioned classes
JDK-8284849	Add deoptimization to unified logging
JDK-8284844	Update ICU4J to Version 72.1
JDK-8284842	Update Unicode Data Files to 15.0.0
JDK-8284840	Update CLDR to Version 42.0
JDK-8284767	Create an automated test for JDK-4422535
JDK-8284672	Collapse identical catch branches in java.desktop
JDK-8284640	CollectorImpl class could be a record class
JDK-8284619	javax/swing/JTable/8236907/LastVisibleRow.java failed with "Test Case Failed!!, Last Row not Visible!!!"
JDK-8284614	on macOS "spindump" should be run from failure_handler as root
JDK-8284524	Create an automated test for JDK-4422362
JDK-8284404	Too aggressive sweeping with Loom
JDK-8284363	Redundant imports in BoundMethodHandle
JDK-8284358	Unreachable loop is not removed from C2 IR, leading to a broken graph

OpenJDK Patch ID	Synopsis
JDK-8284313	Improve warning messages when CDS archive fails to load
JDK-8283775	better dump: VM support for graph querying in debugger with BFS traversal and node filtering
JDK-8283726	x86_64 intrinsics for compareUnsigned method in Integer and Long
JDK-8283707	Support <major.minor.update.build> version format on Windows
JDK-8283699	Improve the peephole mechanism of hotspot
JDK-8283627	Outdated comment in MachineDescriptionTwosComplement.isLP64
JDK-8283612	IGV: remove Graal module
JDK-8283335	Add exists and readAttributesIfExists methods to FileSystemProvider
JDK-8283276	java/io/ObjectStreamClass/ObjectStreamClassCaching.java fails with various GCs
JDK-8283232	x86: Improve vector broadcast operations
JDK-8283224	Remove THREAD_NOT_ALIVE from possible JDWP error codes
JDK-8283101	serviceability/jvmti/thread/GetFrameCount/framecnt01/framecnt01.java failing #VirtualThread-Frozen: number of frames expected: 14, got: 9
JDK-8283093	JMX connections should default to using an ObjectInputFilter
JDK-8283091	Support type conversion between different data sizes in SLP
JDK-8283082	sun.security.x509.X509CertImpl.delete("x509.info.validity") nulls out info field
JDK-8283010	serviceability/sa/ClhsdbThread.java failed with "'Base of Stack:' missing from stdout/stderr "
JDK-8282986	Remove "system" in boot class path names
JDK-8282958	Rendering Issues with Borders on Windows High-DPI systems
JDK-8282900	runtime/stringtable/StringTableCleaningTest.java verify unavailable at this moment
JDK-8282777	Create a Regression test for JDK-4515031

OpenJDK Patch ID	Synopsis
JDK-8282730	LdapLoginModule throw NPE from logout method after login failure
JDK-8282729	Serial: Move BOT implementation to collector specific directory
JDK-8282714	synthetic arguments are being added to the constructors of static local classes
JDK-8282684	Obsolete UseContainerCpuShares and PreferContainerQuotaForCPUCount flags
JDK-8282666	nsk/jvmti/PopFrame/popframe004 failed with: TEST FAILED: 30 JVMTI events were generated by the function PopFrame()
JDK-8282648	Weaken theInflaterInputStream specification in order to allow faster Zip implementations
JDK-8282642	vmTestbase/gc/gctests/LoadUnloadGC2/LoadUnloadGC2.java fails intermittently with exit code 1
JDK-8282578	AIOOBE in javax.sound.sampled.Clip
JDK-8282526	Default icon is not painted properly
JDK-8282463	javax/sound/sampled/Clip/DataPusherThreadCheck.java fails
JDK-8282434	Leading combining diacritic character in string renders incorrectly
JDK-8282410	Remove SA ProcDebugger support
JDK-8282404	DrawStringWithInfiniteXform.java failed with "RuntimeException: drawString with InfiniteXform transform takes long time"
JDK-8282395	URL.openConnection can throw IOOBE
JDK-8282322	AArch64: Provide a means to eliminate all STREX family of instructions
JDK-8282071	Update java.xml module-info
JDK-8282036	Change java/util/zip/ZipFile/DeleteTempJar.java to stop HttpServer cleanly in case of exceptions
JDK-8281969	Bad result for the snippet @link tag if substring/regex consists of whitespace
JDK-8281966	Absolute path of symlink is null in JFileChooser

OpenJDK Patch ID	Synopsis
JDK-8281453	New optimization: convert ~x into -1-x when ~x is used in an arithmetic expression
JDK-8281445	Document the default value for the override-methods option
JDK-8281236	(D)TLS key exchange named groups
JDK-8281214	Unsafe use of long in VMThread::setup_periodic_safepoint_if_needed
JDK-8280826	Document set of strings javac recognizes for SuppressWarnings
JDK-8280798	com.sun.jdi.ObjectReference::setValue spec should prohibit any final field modification
JDK-8280481	Duplicated stubs to interpreter for static calls
JDK-8280472	Don't mix legacy logging with UL
JDK-8280454	G1: ClassLoaderData verification keeps CLDs live that causes problems with VerifyDuringGC during Remark
JDK-8280378	[IR Framework] Support IR matching for different compile phases
JDK-8280320	C2: Loop opts are missing during OSR compilation
JDK-8280235	Deprecated flag FlightRecorder missing from VMDeprecatedOptions test
JDK-8280152	AArch64: Reuse runtime call trampolines
JDK-8280131	jcmd reports "Module jdk.jfr not found." when "jdk.management.jfr" is missing
JDK-8279941	sun/security/pkcs11/Signature/TestDSAKeyLength.java fails when NSS version detection fails
JDK-8279913	obsolete ExtendedDTraceProbes
JDK-8279614	The left line of the TitledBorder is not painted on 150 scale factor
JDK-8279366	CDS should allow alternative locations for JAR files in classpath
JDK-8279283	BufferedInputStream should override transferTo
JDK-8279164	Disable TLS_ECDH_* cipher suites
JDK-8279047	Remove expired flags in JDK 20

OpenJDK Patch ID	Synopsis
JDK-8278923	Document Klass::is_loader_alive
JDK-8278863	Add method ClassDesc::ofInternalName
JDK-8278479	RunThese test failure with +UseHeavyMonitors and +VerifyHeavyMonitors
JDK-8278469	Test java/nio/channels/FileChannel/LargeGatheringWrite.java times out
JDK-8278274	Update nroff pages in JDK 19 before RC
JDK-8278165	Clarify that ZipInputStream does not access the CEN fields for a ZipEntry
JDK-8278086	[REDO] ImageIO.write() method will throw IndexOutOfBoundsException
JDK-8278053	serviceability/jvmti/vthread/ContStackDepthTest/ContStackDepthTest.java failing in loom repo with Xcomp
JDK-8277970	Test jdk/sun/security/ssl/SSLSessionImpl/NoInvalidateSocketException.java fails with "tag mismatch"
JDK-8277775	Fixup bugids in RemoveDropTargetCrashTest.java - add 4357905
JDK-8277074	Qualified exported types show up in JavaDoc
JDK-8277060	EXCEPTION_INT_DIVIDE_BY_ZERO in TypeAryPtr::dump2 with -XX:+TracePhaseCCP
JDK-8276849	Refresh the window icon on graphics configuration changes
JDK-8276798	URLConnection sends invalid HTTP request
JDK-8276687	Remove support for JDK 1.4.1 PerfData shared memory files
JDK-8276651	java/lang/ProcessHandle tests fail with "RuntimeException: Input/output error" in java.lang.ProcessHandleImpl\$Info.info0
JDK-8276561	URL\$DefaultFactory::PREFIX should be static final
JDK-8276545	Fix handling of trap count overflow in Parse::Parse()
JDK-8276064	CheckCastPP with raw oop input floats below a safepoint
JDK-8275784	Bogus warning generated for record with compact constructor

OpenJDK Patch ID	Synopsis
JDK-8275662	remove test/lib/sun/hotspot
JDK-8275275	AArch64: Fix performance regression after auto-vectorization on NEON
JDK-8274235	-Xshare:dump should not call vm_direct_exit
JDK-8273860	Javadoc Deprecated API list should not use italic font for description column
JDK-8273357	SecurityManager deprecation warning from java/awt/regtesthelpers/Util.java
JDK-8273083	Reconcile specification and implementation of link parsing
JDK-8272998	ImageIO.read() throws incorrect exception type
JDK-8272702	Resolving URI relative path with no / may lead to incorrect toString
JDK-8272687	Replace StringBuffer with StringBuilder in RuleBasedCollator
JDK-8272096	Exceptions::new_exception can return wrong exception
JDK-8271838	AmazonCA.java interop test fails
JDK-8271707	migrate tests to use jdk.test.whitebox.WhiteBox
JDK-8271615	vmTestbase/vm/jit/LongTransitions/ test fail due to locale mismatch
JDK-8271519	java/awt/event/SequencedEvent/MultipleContextsFunctionalTest.java failed with "Total [200] - Expected [400]"
JDK-8271328	User is able to choose the color after disabling the color chooser.
JDK-8271252	os::reserve_memory should not use mtOther as default NMT flag
JDK-8270915	GIFImageReader disregards ignoreMetadata flag which causes memory exhaustion
JDK-8269983	BootstrapMethodError with method reference and intersection type
JDK-8269820	C2 PhaseIdealLoop::do_unroll get wrong opaque node
JDK-8269817	serviceability/jvmti/DynamicCodeGenerated/DynamicCodeGeneratedTest.java timed out with -Xcomp
JDK-8269674	Improve testing of parenthesized patterns

OpenJDK Patch ID	Synopsis
JDK-8269235	serviceability/sa/ClhsdbJstackXcompStress.java timed out
JDK-8268398	15% increase in JFR footprint in Noop-Base
JDK-8268312	Compilation error with nested generic functional interface
JDK-8267860	Off-by-one bug when searching arrays in AlpnGreaseTest
JDK-8267617	Certificate's IP x509 NameConstraints raises ArrayIndexOutOfBoundsException
JDK-8267374	macOS: Option+Up/Down Arrow don't traverse to beginning/end of line in JTextArea
JDK-8266900	java/net/httpclient/ShortResponseBody.java fails on windows with java.io.IOException: Unable to establish loopback connection
JDK-8266670	Better modeling of access flags in core reflection
JDK-8265586	[windows] last button is not shown in AWT Frame with BorderLayout and MenuBar set.
JDK-8265441	IGV: select block nodes by clicking on it
JDK-8265433	IGV: add graph tooltips with properties
JDK-8264999	GeneralPath.lineTo() to itself produces jagged lines
JDK-8264744	(fs) Use file cloning in Linux version of Files::copy method
JDK-8263384	IGV: Outline should highlight the Graph that has focus
JDK-8263044	jdk/jfr/jvm/TestDumpOnCrash.java timed out
JDK-8262901	[macos_aarch64] NativeCallTest expected: 3.8194101E18> but was: <3.02668882E10>
JDK-8262435	Clarify the behavior of a few inherited ZipInputStream methods
JDK-8260892	Compilation fails: lambda parameter not visible in body when generics involved
JDK-8259687	JTabbedPane.setComponentAt doesn't hide previously visible tab component
JDK-8256811	Delayed/missed jdwp class unloading events

OpenJDK Patch ID	Synopsis
JDK-8256660	Disable DTLS 1.0
JDK-8256265	G1: Improve parallelism in regions that failed evacuation
JDK-8256072	Eliminate JVMTI tagmap rehashing
JDK-8255746	Make PrintCompilation available on a per method level
JDK-8255670	Improve C2's detection of modified nodes
JDK-8254711	Add java.security.Provider.getService JFR Event
JDK-8253413	[REDO] [REDO] G1 incorrectly limiting young gen size when using the reserve can result in repeated full gcs
JDK-8252713	jtlreg time out of CtrlASCII.java seems to hang the Xserver.
JDK-8252584	HotSpot Style Guide should permit alignas
JDK-8252329	runtime/LoadClass/TestResize.java timed out
JDK-8252075	Documentation error in LayoutManager2 interface
JDK-8249834	java/util/ArrayList/Bug8146568.java and j/u/Vector/Bug8148174.java use @ignore w/o bug-id
JDK-8249693	java/nio/channels/FileChannel/FileExtensionAndMap.java uses @ignore w/o bug id
JDK-8249627	Degrade Thread.suspend and Thread.resume
JDK-8247645	ChaCha20 Intrinsics
JDK-8247407	tools/jlink/plugins/CompressorPluginTest.java test failing
JDK-8245268	-Xcomp is missing from java launcher documentation
JDK-8245246	Deprecate -profile option in javac
JDK-8244976	vmTestbase/nsk/jdi/Event/request/request001.java doesn' initialize eName
JDK-8244681	Add a warning for possibly lossy conversion in compound assignments
JDK-8242181	[Linux] Show source information when printing native stack traces in hs_err files

OpenJDK Patch ID	Synopsis
JDK-8242115	C2 SATB barriers are not safepoint-safe
JDK-8240275	Occasional errors in HttpURLConnection due to race with GC
JDK-8239801	[macos] java/awt/Focus/UnaccessibleChoice/AccessibleChoiceTest.java fails
JDK-8237913	G1CollectedHeap::heap_region_containing shouldn't be a template
JDK-8237467	jlink plugin to save the argument files as input to jlink in the output image
JDK-8236919	Refactor com.sun.tools.javac.main.CommandLine into a reusable module for other JDK tools
JDK-8236569	-Xss not multiple of 4K does not work for the main thread on macOS
JDK-8236048	Cleanup use of Utils.normalizeNewlines
JDK-8234315	GTK LAF does not gray out disabled JMenu
JDK-8234262	Unmask SIGQUIT in a child process
JDK-8234135	[TESTBUG] Swing JList DnD tests fail in nightly headful testing.
JDK-8234134	[TESTBUG] JTree DnD tests fail in nightly headful testing.
JDK-8233697	CHT: Iteration parallelization
JDK-8232933	Javac inferred type does not conform to equality constraint
JDK-8230374	maxOutputSize, instead of javatest.maxOutputSize, should be used in TEST.properties
JDK-8227651	Tests fail with SSLProtocolException: Input record too big
JDK-8227060	Optimize safepoint cleanup subtask order
JDK-8225235	Unused field defaultIndex in NetworkInterface
JDK-8225012	sanity/client/SwingSet/src/ToolTipDemoTest.java fails on Windows
JDK-8224768	Test ActalisCA.java fails
JDK-8224267	JOptionPane message string with 5000+ newlines produces StackOverflowError

OpenJDK Patch ID	Synopsis
JDK-8223783	sun/net/www/http/HttpClient/MultiThreadTest.java sometimes detect threads+1 connections
JDK-8220732	setSeed(long) java api doc is missing warning about provided seed quality
JDK-8218885	Restore pop_frame and force_early_return functionality for Graal
JDK-8215916	The failure reason of an optional JAAS LoginModule is not logged
JDK-8215788	Clarify JarInputStream Manifest access
JDK-8213562	Test javax/swing/text/DefaultCaret/HidingSelection/MultiSelectionTest.java fails
JDK-8212096	javax/net/ssl/ServerName/SSLExplorerMatchedSNI.java failed intermittently due to SSLException: Tag mismatch
JDK-8210708	Use single mark bitmap in G1
JDK-8209935	Test to cover CodeSource.getCodeSigners()
JDK-8207166	jdk/jshell/JdiHangingLaunchExecutionControlTest.java - launch timeout
JDK-8200337	Generalize see and link tags for user-defined anchors
JDK-8198668	MemoryPoolMBean/isUsageThresholdExceeded/isexceeded001/TestDescription.java still failing
JDK-8196018	java/awt/Scrollbar/ScrollbarMouseWheelTest/ScrollbarMouseWheelTest.java fails
JDK-8194048	Regression automated test '/open/test/jdk/javax/swing/text/DefaultCaret/HidingSelection/HidingSelectionTest.java' fails
JDK-8191406	[hidpi] sun/java2d/SunGraphics2D/DrawImageBilinear.java test fails
JDK-8190907	Windows 10 default Korean Font Malgun Gothic available not used by GUI elements even though available without Korean Language Pack
JDK-8186765	Speed up test sun/net/www/protocol/https/HttpClient/ProxyAuthTest.java

OpenJDK Patch ID	Synopsis
JDK-8178698	javax/sound/midi/Sequencer/MetaCallback.java failed with timeout
JDK-8178355	IdentityHashMap uses identity-based comparison for values everywhere except remove(K,V) and replace(K,V,V)
JDK-8175382	clhsdb pmap should print the end addresses of the load modules
JDK-8173605	Remove support for source and target 1.7 option in javac
JDK-8170794	[macosx] Error when using setDesktopManager on a JDesktopPane on MacOS X with Look and Feel Aqua
JDK-8170762	Document that ISO10126Padding pads with random bytes
JDK-8170389	java.text.DigitList.getDouble() : Controversy between javadoc and code
JDK-8170305	URLConnection doesn't handle HTTP/1.1 1xx (informational) messages
JDK-8169187	[macosx] Aqua: java/awt/image/multiresolution/MultiresolutionIconTest.java
JDK-8165943	LineBreakMeasurer does not measure correctly if TextAttribute.TRACKING is set.
JDK-8164464	Consistent failure of java/awt/dnd/MissingEventsOnModalDialog/MissingEventsOnModalDialogTest.java
JDK-8157173	[macosx] java/awt/Robot/ModifierRobotKey/ModifierRobotKeyTest.java fails
JDK-8157023	Integrate NMT with JFR
JDK-8156593	DataOutput.write(byte[],int,int) and its implementations do not specify index out bounds
JDK-8155996	Improve concurrent refinement green zone control
JDK-8155246	Throw error if default java.security file is missing
JDK-8151430	(fs) BasicFileAttributeView.setTimes should support setting file create time on OS X
JDK-8148041	Test java/awt/Mouse/TitleBarDoubleClick/TitleBarDoubleClick fails on Ubuntu with mouseReleased event after double click on title bar

OpenJDK Patch ID	Synopsis
JDK-8137280	Remove eager reclaim of humongous controls
JDK-8137022	Concurrent refinement thread adjustment and (de-)activation suboptimal
JDK-8135292	Remove duplicate code in <OS>Address.java in SA
JDK-8134303	Introduce -XX:-G1UseConcRefinement
JDK-8078471	Backspace does not work in JFileChooser with GTK L&F
JDK-8075916	The regression-swing case failed as colored text is not shown on disabled checkbox and radio button with Nimbus LAF
JDK-8067757	Incorrect HTML generation for copied javadoc with multiple @throws tags
JDK-8066859	java/lang/ref/OOMEInReferenceHandler.java failed with java.lang.Exception: Reference Handler thread died
JDK-8065554	MatchResult should provide values of named-capturing groups
JDK-8065097	[macosx] javax/swing/Popup/TaskbarPositionTest.java fails because Popup is one pixel off
JDK-8064787	[macosx] In Nimbus LaF, Ctrl+Alt mnemonic doesn't work
JDK-8059632	Method reference compilation uses incorrect qualifying type
JDK-8057113	(fs) Path should have a method to obtain the filename extension
JDK-8054572	[macosx] JComboBox paints the border incorrectly
JDK-8051627	Invariants about java.net.URI resolve and relativize are wrong
JDK-8042134	JOptionPane bungles HTML messages
JDK-8030616	sun/management/jmxremote/bootstrap/RmiBootstrapTest fails intermittently with cannot find a free port
JDK-8029633	Raw inner class constructor ref should not perform diamond inference
JDK-8028265	Add legacy tz tests to OpenJDK
JDK-8023562	[TEST_BUG] java/awt/Mouse/EnterExitEvents/DragWindowTest.java failed on ubuntu 13 and mac 10.11

OpenJDK Patch ID	Synopsis
JDK-8022403	sun/java2d/DirectX/OnScreenRenderingResizeTest/OnScreenRenderingResizeTest.java fails
JDK-8015739	Background of JInternalFrame is located out of JInternalFrame
JDK-8012675	javax.swing.JEditorPane is unclear on the handling of unsupported HTML script tags
JDK-7194212	NPE in Flow.visitIdent
JDK-7189422	[macosx] Submenu's arrow have a wrong position
JDK-7181214	Need specify SKF translateKey(SecurityKey) method requires instance of PBEKey for PBKDF2 algorithms
JDK-7175397	The divider color is not changed to green when dragging for Nimbus LaF.
JDK-7172359	HTML parser StackOverflowError on invalid HTML: tag inside an <option>
JDK-7148092	[macosx] When Alt+down arrow key is pressed, the combobox popup does not appear.
JDK-7134652	[macosx] closed/javax/swing/SwingUtilities/4967768/bug4967768.java fails on MacOS
JDK-7132413	[macosx] closed/javax/swing/AbstractButton/5049549/bug5049549.java fails on MacOS
JDK-7132279	(ch) SeekableByteChannel operation may throw Non{Readable,Writable}ChannelException
JDK-7124710	interleaved RedefineClasses() and RetransformClasses() calls may have a problem
JDK-7124313	[macosx] Swing Popups should overlap taskbar
JDK-7113208	Incorrect javadoc on java.net.DatagramPacket.setLength()
JDK-7093322	(fs spec) Files.newBufferedWriter should be clear when coding errors are detected
JDK-7039014	Confusing error message for method conflict
JDK-6980847	(fs) Files.copy needs to be "tuned"

OpenJDK Patch ID	Synopsis
JDK-6972078	Can not select single directory with GTKLookAndFeel
JDK-6924219	(fc spec) FileChannel.write(ByteBuffer, position) behavior when file opened for append not specified
JDK-6852577	Only for Nimbus LAF UIManager.get("PasswordField.echoChar") is null
JDK-6788481	CellEditorListener.editingCanceled is never called
JDK-6777156	GTK L&F: JFileChooser can jump beyond root directory in combobox and selection textarea.
JDK-6616245	NullPointerException when using JFileChooser with a custom FileView
JDK-6587699	Document DigestInputStream behavior when skip() or mark() / reset() is used
JDK-6560981	(cal) unused local variables in GregorianCalendar, etc.
JDK-6529151	NullPointerException in swing.plaf.synth.SynthLookAndFeel\$Handler
JDK-6528710	sRGB-ColorSpace to sRGB-ColorSpace Conversion
JDK-6522064	Aliases from Microsoft CryptoAPI has bad character encoding
JDK-6521141	DebugGraphics NPE @ setFont();
JDK-6509045	{@inheritDoc} only copies one instance of the specified exception
JDK-6463708	DefaultButtonModel.setMnemonic generates ChangeEvent for no change
JDK-6447816	Provider filtering (getProviders) is not working with OR'd conditions
JDK-6445283	ProgressMonitorInputStream not large file aware (>2GB)
JDK-6391806	JLabel and AbstractButton's imageUpdate method should be better specified
JDK-6383195	javax.crypto.spec.PBEKeySpec is not thread safe
JDK-6312651	Compiler should only use verified interface types for optimization
JDK-6286501	JTabbedPane throws NPE from its stateChanged listener in particular case

OpenJDK Patch ID	Synopsis
JDK-6251738	Want a top-level summary page that itemizes all spec documents referenced from javadocs (OEM spec)
JDK-6244831	JFileChooser does not have tooltip for Desktop, Recent etc ToggleButton on Windows Look and feel
JDK-6229853	BasicTextAreaUI:create incompletely documents the possible returned View types
JDK-6227536	KeyGenerator.init() methods do not throw IllegalArgumentException for keysize == 0
JDK-6205692	(spec) javax.crypto.MacSpi.engineUpdate(ByteBuffer input): NPE should be specified
JDK-6201035	Document NPE for passing null insets to constructors and methods of several javax.swing.border.* classes
JDK-5074006	Swing JOptionPane shows </html> tag as a string after newline
JDK-4958969	ObjectOutputStream example leads to non-working code
JDK-4958071	(spec) confusing exception list for javax.crypto.Cipher.init(...) for
JDK-4890041	Remove TAB and Shift TAB from Popup Menu in Motif Look & Feel
JDK-4887998	Use Integer.rotateLeft() and rotateRight() in crypto implementations
JDK-4850101	Setting mnemonic to VK_F4 underlines the letter S in a button.
JDK-4834298	JFileChooser.getSelectedFiles() failed with multi-selection and double-click
JDK-4797982	Setting negative size of JSplitPane divider leads to unexpected results.
JDK-4677581	ColorModel.getComponentSize()-wrong conditions for ArrayIndexOutOfBoundsException
JDK-4512626	Non-editable JTextArea provides no visual indication of keyboard focus

OpenJFX Bug Fixes

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

OpenJDK Patch ID	Synopsis	Subcomponent
JDK-8303019	cssref.html incorrect internal link in Path	other
JDK-8302470	Change JBS version in .jcheck/conf to jfxNN[.0.MM]	build
JDK-8301832	InputMethodEvents are not enabled for text input controls	controls
JDK-8301797	Pagination control has the wrong size	controls
JDK-8300705	Update boot JDK to 19.0.2	build
JDK-8300664	Missing copyright header in ConditionalBinding.java file	base
JDK-8300013	Node.focusWithin doesn't account for nested focused nodes	scenegraph
JDK-8299272	Update copyright header for files modified in 2022	other
JDK-8298728	Cells in VirtualFlow jump after resizing	controls
JDK-8298496	IconifyTest fails intermittently on Linux	window-toolkit
JDK-8298200	Clean up raw type warnings in javafx.beans.property.* and com.sun.javafx.property.*	base
JDK-8298167	Opacity in WebView not working anymore	web
JDK-8297680	JavaDoc example for PseudoClass has minor typo	graphics
JDK-8297554	Remove Scene.KeyHandler	graphics
JDK-8297414	Remove easy warnings in javafx.controls	controls
JDK-8297413	Remove easy warnings in javafx.graphics	graphics
JDK-8297412	Remove easy warnings in javafx.fxml, javafx.media, javafx.swing, javafx.swt and javafx.web	web
JDK-8297362	EOS might not be delivered by progressbuffer in some cases	media
JDK-8297332	Remove easy warnings in javafx.base	base
JDK-8297213	Robot capture tests should move mouse to corner of screen	other

OpenJDK Patch ID	Synopsis	Subcomponent
JDK-8297166	[TestBug] Fix some ignored unit test from TableViewTest	controls
JDK-8297130	ComboBox popup doesn't close after selecting value that was added with 'runLater'	scenegraph
JDK-8297068	Update boot JDK to 19.0.1	build
JDK-8297067	Update Gradle to 7.6	build
JDK-8297042	gradle -PBUILD_SDK_FOR_TEST=false fails with gradle 7.6	build
JDK-8296854	NULL check of CTFontCopyAvailableTables return value is required	graphics
JDK-8296654	[macos] Crash when launching JavaFX app with JDK that targets SDK 13	window-toolkit
JDK-8296621	Stage steals focus on scene change	window-toolkit
JDK-8296592	Skip failing test StraightLineTest on Linux	web
JDK-8296589	PixelBufferDrawTest fails on some systems	graphics
JDK-8296556	Mark two RobotTest methods as unstable on HiDPI Windows systems	window-toolkit
JDK-8296413	Tree/TableView with null focus model throws NPE in queryAccessibleAttribute()	controls
JDK-8296409	Multiple copies of accelerator change listeners are added to MenuItems, but only 1 is removed	controls
JDK-8296330	Tests: Add layout container snapping tests	graphics
JDK-8296283	JUnit5 tests using Params API fails to compile	other
JDK-8295962	Reference to State in Task.java is ambiguous when building with JDK 19	other
JDK-8295809	TreeTableViewSkin: memory leak when changing skin	controls
JDK-8295806	TableViewSkin: memory leak when changing skin	controls
JDK-8295796	ScrollPaneSkin: memory leak when changing skin	controls

OpenJDK Patch ID	Synopsis	Subcomponent
JDK-8295755	Update SQLite to 3.39.4	web
JDK-8295754	PaginationSkin: memory leak when changing skin	controls
JDK-8295725	Update copyright header for files modified in 2022	other
JDK-8295531	ComboBoxBaseSkin: memory leak when changing skin	controls
JDK-8295506	ButtonBarSkin: memory leak when changing skin	controls
JDK-8295500	AccordionSkin: memory leak when changing skin	controls
JDK-8295426	MenuButtonSkin: memory leak when changing skin	controls
JDK-8295339	DatePicker updates its value property with wrong date when dialog closes	controls
JDK-8295327	JavaFX - IllegalArgumentException when printing with margins equal to 0	graphics
JDK-8295324	JavaFX: Blank pages when printing	graphics
JDK-8295242	ScrollBarSkin: memory leak when changing skin	controls
JDK-8295236	Update JavaDoc in javafx.geometry.Point3D	graphics
JDK-8295175	SplitPaneSkin: memory leak when changing skin	controls
JDK-8294809	ListenerHelper for managing and disconnecting listeners	controls
JDK-8294722	FX: Update copyright year in docs, readme files to 2023	other
JDK-8294589	MenuBarSkin: memory leak when changing skin	controls
JDK-8294400	Provide media support for libavcodec version 59	media
JDK-8293971	Loading new Media from resources can sometimes fail when loading from FXML	media
JDK-8293883	Add tests/.classpath (Eclipse)	other
JDK-8293839	Documentation memory consistency effects of runLater	application-lifecycle
JDK-8293795	[Accessibility] [Win] [Narrator] Exceptions When Deleting Text with Continuous Key Press in TextArea and TextField	accessibility

OpenJDK Patch ID	Synopsis	Subcomponent
JDK-8293615	Create release notes for JavaFX 19	other
JDK-8293587	Fix mistakes in FX API docs	other
JDK-8293444	Creating ScrollPane with same content component causes memory leak	controls
JDK-8293375	add_definitions USE_SYSTEM_MALLOC when USE_SYSTEM_MALLOC is ON	web
JDK-8293368	GitHub Workflows security hardening	build
JDK-8293338	Enable manually triggering the GitHub workflow	build
JDK-8293214	Add support for Linux/LoongArch64	build
JDK-8293171	Minor typographical errors in JavaDoc javafx.scene.control.ScrollPane.java	controls
JDK-8293119	Additional constrained resize policies for Tree/TableView	other
JDK-8292922	[Linux] No more drag events when new Stage is created in drag handler	window-toolkit
JDK-8292678	Openjfx: all projects to use JUnit5 (Eclipse)	other
JDK-8292609	Cherry-pick WebKit 614.1 stabilization fixes	web
JDK-8292549	GitHub actions: intermittent build failure on macOS while downloading ant	build
JDK-8292391	Add support for optional signing of native libraries	build
JDK-8292353	TableRow vs. TreeTableRow: inconsistent visuals in cell selection mode	controls
JDK-8292009	Wrong text artifacts in table header	controls
JDK-8291908	VirtualFlow creates unneeded empty cells	controls
JDK-8291853	[CSS] ClassCastException in CssStyleHelper calculateValue	controls
JDK-8291630	Update attribution in webkit.md file	web

OpenJDK Patch ID	Synopsis	Subcomponent
JDK-8291625	DialogPane without header nor headerText nor graphic node adds padding to the left of the content pane	controls
JDK-8291087	Wrong position of focus of screen reader on Windows with screen scale > 1	accessibility
JDK-8290990	Clear .root style class from a root node that is removed from a Scene/SubScene	graphics
JDK-8290863	Update the documentation of Virtualized controls to include the best practice of not using Nodes directly in the item list	controls
JDK-8290844	Add Skin.install() method	controls
JDK-8290841	Notify menu event after a long press gesture on Android is not dispatched	graphics
JDK-8290530	Bump minimum JDK version for JavaFX to JDK 17	build
JDK-8290527	Bump macOS GitHub actions to macOS 11	build
JDK-8290473	update Eclipse .classpath in apps, buildSrc	build
JDK-8290040	Provide simplified deterministic way to manage listeners	base
JDK-8289835	Change JavaFX release version to 20	build
JDK-8289611	MouseLocationOnScreenTest sometimes fails on Mac M1	window-toolkit
JDK-8289605	Robot capture tests fail intermittently on Mac M1	window-toolkit
JDK-8289542	Update JPEG Image Decoding Software to 9e	graphics
JDK-8289541	Update ICU4C to 71.1	web
JDK-8289397	Fix warnings: Possible accidental assignment in place of a comparison. A condition expression should not be reduced to an assignment	build
JDK-8289394	Fix warnings: Unlikely argument type	other
JDK-8289389	Fix warnings: type should also implement hashCode() since it overrides Object.equals()	other

OpenJDK Patch ID	Synopsis	Subcomponent
JDK-8289388	Fix warnings: method is overriding a synchronized method without being synchronized	other
JDK-8289357	(Tree)TableView is null in (Tree)TableRowSkin during autosize	controls
JDK-8288450	Update attribution in gstreamer.md file	other
JDK-8288449	Update attribution in glib.md file	other
JDK-8287822	[macos] Remove support of duplicated formats from macOS	media
JDK-8287604	Update MarlinFX to 0.9.4.6	graphics
JDK-8285881	Update WebKit to 614.1	web
JDK-8285503	SwingNodeDnDMemoryLeakTest::testSwingNodeMemoryLeak fails sometimes	swing
JDK-8284281	[Accessibility] [Win] [Narrator] Exceptions with TextArea & TextField when deleted last char	accessibility
JDK-8282386	JavaFX media stubs rely on libav.org	media
JDK-8279640	ListView with null SelectionModel/FocusModel throws NPE	controls
JDK-8279514	NPE on clearing value of IntegerSpinnerValueFactory	controls
JDK-8279214	Memory leak in Scene after dragging a cell	scenegraph
JDK-8278426	ImagePool uses terminally deprecated System.runFinalization method	graphics
JDK-8271395	Crash during printing when disposing textures	graphics
JDK-8268877	TextInputControlSkin: incorrect inputMethod event handler after switching skin	controls
JDK-8265835	Exception in Quantum due to null platformWindow	graphics
JDK-8265828	[TestBug] Save and restore the default Locale in javafx.base unit test LocalDateTimeStringConverterTest	base

OpenJDK Patch ID	Synopsis	Subcomponent
JDK-8256397	MultipleSelectionModel throws IndexOutOfBoundsException	controls
JDK-8254676	Alert disables Tab selection when TabDragPolicy REORDER is used	controls
JDK-8252863	Spinner keeps spinning if removed from Scene	controls
JDK-8245145	Spinner: throws IllegalArgumentException when replacing skin	controls
JDK-8243115	Spurious invalidations due to bug in IntegerBinding and other classes	base
JDK-8238968	Inconsistent formatting of Rectangle2D toString method	graphics
JDK-8235491	Tree/TableView: implementation of isSelected(int) violates contract	controls
JDK-8231864	JavaFX Labels in Tab's VBox is not displayed until it is clicked	graphics
JDK-8222210	JFXPanel popups open at wrong coordinates when using multiple hidpi monitors	swing
JDK-8221708	Update Eclipse project files	other
JDK-8218826	TableRowSkinBase: horizontal layout broken if row has padding	controls
JDK-8217853	Cleanup in the D3D native pipeline	graphics
JDK-8216507	StyleablePropertyFactory: example in class javadoc does not compile	controls
JDK-8209017	CheckBoxTreeCell: graphic on TreeItem not always showing	controls
JDK-8206430	Use consistent pattern for startup in FX system tests	other
JDK-8190411	NPE in SliderSkin:140 if Slider.Tooltip.autohide is true	controls
JDK-8187145	(Tree)TableView with null selectionModel: throws NPE on sorting	controls

OpenJDK Patch ID	Synopsis	Subcomponent
JDK-8181084	JavaFX show big icons in system menu on macOS with Retina display	graphics
JDK-8089280	horizontal scrollbar should never become visible in TableView with constrained resize policy	controls
JDK-8089009	TableView with CONSTRAINED_RESIZE_POLICY incorrectly displays a horizontal scroll bar.	controls
JDK-8087673	[TableView] TableView and TreeTableView menu button overlaps columns when using a constrained resize policy.	controls
JDK-8087557	[Win] [Accessibility, Dialogs] Alert Dialog content is not fully read by Screen Reader	accessibility

Azul Zulu Bug Fixes

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

Zulu Patch ID	Synopsis
ZULU-43541	Update GCC to version 11.2.0 for Zulu builds on Linux
ZULU-38486	Change to Xcode 12.4 for building zulu

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