



Azul Zulu builds of OpenJDK

Azul Zulu 17 General Availability

Release Notes

Revision 1.0

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:zulu6cpu_sa:6.41.0.12 :ojdk6cpu:6b141 :zulu7cpu_sa:7.47.0.14
:zulu7psu_ca:7.48.0.11 :ojdk7cpu:7u311-b02 :ojdk7psu:7u312-b01
:zulu8cpu_sa:8.55.0.14 :zulu8psu_ca:8.56.0.22 :ojdk8cpu:8u301-b02
:ojdk8psu:8u302-b08 :zulu16psu_ca:16.32.15 :ojdk16psu:16.0.2+7
:zulu11cpu_sa:11.49.14 :zulu11psu_ca:11.50.19 :ojdk11cpu:11.0.11.0.101+2
:ojdk11psu:11.0.12+7 :zulu15cpu_sa:15.33.12 :zulu15psu_ca:15.34.17
:ojdk15cpu:15.0.3.0.101+1 :ojdk15psu:15.0.4+5 :zulu13cpu_sa:13.41.12
:zulu13psu_ca:13.42.17 :ojdk13cpu:13.0.7.0.101+1 :ojdk13psu:13.0.8+5

Revision History

Revision	Date	Description
1.0	September 15, 2021	Initial version of the document.

Release Details

Release Date: September 15, 2021

This release is a General Availability release of Azul Zulu 17. The following table describes which Azul Zulu versions are published with this release.

Azul Zulu Version*	JDK Version	JavaFX Version
17.28.13 (CA) 17.28.14 (SA)	17+35	17.0.0+100

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

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

Supported Platforms

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

Operating System	Azul Zulu 17
Windows (x86)	
Windows Server 2019	Yes
Windows Server 2016	Yes
Windows Server 2012 R2	Yes
Windows Client 10	Yes

Windows Client 8.1	Yes
Windows (ARM 64-bit)	
Windows 10	Yes
Linux (x86)	
RHEL 8.x	Yes
RHEL 7.x	Yes
RHEL 6.x [1]	Yes
SLES 15	Yes
SLES 12	Yes
CentOS 8.x [2]	Yes
Ubuntu 20.04	Yes
Ubuntu 18.04	Yes
Debian 10	Yes
Debian 9	Yes
CoreOS	Yes
Alpine Linux 3.11 or later	Yes
Linux (ARM 64-bit)	
Ubuntu 20.04	Yes
Alpine Linux 3.11 or later	Yes
MacOS (x86)	
macOS 11	Yes
macOS 10.15	Yes
macOS 10.14	Yes
MacOS (Apple Silicon)	
macOS 11	Yes

1. Azul Zulu builds for RHEL 6 will be discontinued in January 2022.
2. The Azul Zulu builds for CentOS 8 will be discontinued on December 31, 2021 due to Red Hat terminating CentOS development and shifting focus to CentOS Stream.

What's New

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

- [jep_ref:306](#): Restore Always-Strict Floating-Point Semantics

Make floating-point operations consistently strict, rather than have both strict floating-point semantics (`strictfp`) and subtly different default floating-point semantics. This restores the original floating-point semantics to the language and VM, matching the semantics before the introduction of strict and default floating-point modes in Java SE 1.2.

- [jep_ref:356](#): Enhanced Pseudo-Random Number Generators

Provide new interface types and implementations for pseudorandom number generators (PRNGs), including jumpable PRNGs and an additional class of splittable PRNG algorithms (LXM).

- [jep_ref:382](#): New macOS Rendering Pipeline

Implement a Java 2D internal rendering pipeline for macOS using the Apple Metal API as alternative to the existing pipeline, which uses the deprecated Apple OpenGL API.

- [jep_ref:391](#): macOS/AArch64 Port

- [jep_ref:398](#): Deprecate the Applet API for Removal

Deprecate the Applet API for removal. It is essentially irrelevant since all web-browser vendors have either removed support for Java browser plug-ins or announced plans to do so.

- [jep_ref:403](#): Strongly Encapsulate JDK Internals

Strongly encapsulate all internal elements of the JDK, except for critical internal APIs such as `sun.misc.Unsafe`. It is no longer possible to relax the strong encapsulation of internal elements via a single command-line option, as was possible in JDK 9 through JDK 16.

- [jep_ref:406](#): Pattern Matching for switch (Preview)

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

- [jep_ref:407](#): Remove RMI Activation

Remove the Remote Method Invocation (RMI) Activation mechanism, while preserving the rest of RMI.

- [jep_ref:409](#): Sealed Classes

Enhance the Java programming language with sealed classes and interfaces. Sealed classes and interfaces restrict which other classes or interfaces may extend or implement them.

- [jep_ref:410](#): Remove the Experimental AOT and JIT Compiler

Remove the experimental Java-based ahead-of-time (AOT) and just-in-time (JIT) compiler. This compiler has seen little use since its introduction and the effort required to maintain it is significant. Retain the experimental Java-level JVM compiler interface (JVMCI) so that developers can continue to use externally-built versions of the compiler for JIT compilation.

- [jep_ref:411](#): Deprecate the Security Manager for Removal

Deprecate the Security Manager for removal in a future release. The Security Manager dates from Java 1.0. It has not been the primary means of securing client-side Java code for many years, and it has rarely been used to secure server-side code. To move Java forward, we intend to deprecate the Security Manager for removal in concert with the legacy Applet API (JEP 398).

- [jep_ref:412\[\]](#): Foreign Function & Memory API (Incubator)

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

- [jep_ref:414\[\]](#): Vector API (Second Incubator)

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

- [jep_ref:415\[\]](#): Context-Specific Deserialization Filters

Allow applications to configure context-specific and dynamically-selected deserialization filters via a JVM-wide filter factory that is invoked to select a filter for each individual deserialization operation.

IANA Time Zone Data Version

This release includes IANA time zone data version 2021a.

Fixed Issues

OpenJDK Bug Fixes

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

OpenJDK Patch ID	Synopsis
JDK-8273592	Backout JDK-8271868
JDK-8273024	Update PKCS#11 Reference Guide with new attributes in provider configuration file
JDK-8271894	ProblemList javax/swing/JComponent/7154030/bug7154030.java in JDK17
JDK-8271877	ProblemList jdk/jfr/event/gc/detailed/TestEvacuationFailedEvent.java in JDK17
JDK-8271868	Warn user when using mac-sign option with unsigned app-image.
JDK-8271863	ProblemList serviceability/sa/TestJmapCore.java on linux-x64 with ZGC
JDK-8271588	JFR Recorder Thread crashed with SIGSEGV in write_klass
JDK-8271555	4.9.1: Prohibit the ret opcode in the code array of >= 51.0 class files
JDK-8271512	ProblemList serviceability/sa/sadepbugd/DebugConnectTest.java due to 8270326
JDK-8271507	ProblemList SA tests that are failing with ZGC due to JDK-8248912
JDK-8271489	(doc) Clarify Filter Factory example
JDK-8271413	ProblemList 2 locale tests on macOS-x64
JDK-8271412	ProblemList javax/sound/midi/Sequencer/Looping.java
JDK-8271403	mark hotspot runtime/memory tests which ignore external VM flags
JDK-8271402	mark hotspot runtime/os tests which ignore external VM flags
JDK-8271352	Extend jcc erratum mitigation to additional processors
JDK-8271350	runtime/Safepoint tests use OutputAnalyzer::shouldMatch instead of shouldContain
JDK-8271345	9.6.4.4: Avoid stating that an interface does not have Object as a supertype
JDK-8271272	C2: assert(!had_error) failed: bad dominance
JDK-8271251	JavaThread::java_suspend() fails with "fatal error: Illegal threadstate encountered: 6"

OpenJDK Patch ID	Synopsis
JDK-8271223	two runtime/ClassFile tests don't check exit code
JDK-8271222	two runtime/Monitor tests don't check exit code
JDK-8271189	runtime/handshake/HandshakeTimeoutTest.java can be run in driver mode
JDK-8271175	runtime/jni/FindClassUtf8/FindClassUtf8.java doesn't have to be run in othervm
JDK-8271174	runtime/ClassFile/UnsupportedClassFileVersion.java can be run in driver mode
JDK-8271173	serviceability/jvmti/GetObjectSizeClass.java doesn't check exit code
JDK-8271169	runtime/Safepoint/TestAbortVMOnSafepointTimeout.java can be run in driver mode
JDK-8271162	runtime/StackTrace/LargeClassTest.java can be run in driver mode
JDK-8271160	runtime/jni/checked/TestCheckedJniExceptionCheck.java doesn't set -Djava.library.path
JDK-8271158	runtime/handshake/HandshakeTimeoutTest.java test doesn't check exit code
JDK-8271155	Wrong path separator in env variable
JDK-8271150	Remove EA from JDK 17 version string starting with Initial RC promotion on Aug 5, 2021(B34)
JDK-8271126	ProblemList runtime/InvocationTests/invokevirtualTests.java
JDK-8271094	runtime/duplAttributes/DuplAttributesTest.java doesn't check exit code
JDK-8271093	remove deadcode from runtime/Thread/TestThreadDumpSMRInfo.java test
JDK-8271070	ProblemList 3 client tests on Linux-X64
JDK-8271064	ZGC several jvm08 perf regressions after JDK-8268372
JDK-8270993	Missing forward declaration of ZeroFrame
JDK-8270916	Update java.lang.annotation.Target for changes in JLS 9.6.4.1

OpenJDK Patch ID	Synopsis
JDK-8270908	TestParallelRefProc fails on single core machines
JDK-8270872	Final nroff manpage update for JDK 17
JDK-8270866	NPE in DocTreePath.getTreePath()
JDK-8270858	Problem List java/awt/Window/MultiWindowApp/MultiWindowAppTest.java on Linux
JDK-8270556	Exclude security/infra/java/security/cert/CertPathValidator/certification/LetsEncryptCA
JDK-8270491	SEGV at read_string_field(oopDesc*, char const*, JavaThread*)+0x54
JDK-8270461	ZGC: Invalid oop passed to ZBarrierSetRuntime::load_barrier_on_oop_array
JDK-8270422	Test build/AbsPathsInImage.java fails after JDK-8259848
JDK-8270307	C2: assert(false) failed: bad AD file after JDK-8267687
JDK-8270216	[macOS] Update named used for Java run loop mode
JDK-8270203	Missing build dependency between jdk.jfr-gendata and buildtools-hotspot
JDK-8270184	[TESTBUG] Add coverage for jvmci ResolvedJavaType.toJavaName() for lambdas
JDK-8270151	IncompatibleClassChangeError on empty pattern switch statement case
JDK-8270109	ProblemList 4 SA tests on macOS-aarch64
JDK-8270085	Suspend during block transition may deadlock if lock held
JDK-8270075	SplittableRandom extends AbstractSplittableGenerator
JDK-8270056	Generated lambda class can not access protected static method of target class
JDK-8270025	DynamicCallSiteDesc::withArgs doesn't throw NPE
JDK-8270006	Switches with 'case null:' should be exhaustive
JDK-8269984	[macos] JTabbedPane title looks like disabled

OpenJDK Patch ID	Synopsis
JDK-8269955	ProblemList compiler/vectorapi/VectorCastShape[64 128]Test.java tests on x86
JDK-8269952	compiler/vectorapi/VectorCastShape*Test.java tests failed on avx2 machines
JDK-8269929	(test) Add diagnostic info to ProcessBuilder/Basic.java for unexpected output
JDK-8269879	[PPC64] C2: Math rint intrinsic uses wrong rounding mode
JDK-8269873	serviceability/sa/Clhsdb tests are using a C2 specific VMStruct field
JDK-8269865	Async UL needs to handle ERANGE on exceeding SEM_VALUE_MAX
JDK-8269840	Update Platform.isDefaultCDSArchiveSupported() to return true for aarch64 platforms
JDK-8269830	SA's vm object vtable matching code sometimes matches on incorrect type
JDK-8269828	corrections in some instruction patterns for KNL x86 platform
JDK-8269825	[TESTBUG] Missing testing for x86 KNL platforms
JDK-8269808	javac generates class with invalid stack map
JDK-8269802	javac fails to compile nested pattern matching switches
JDK-8269795	C2: Out of bounds array load floats above its range check in loop peeling resulting in SEGV
JDK-8269775	compiler/codegen/ClearArrayTest.java failed with "assert(false) failed: bad AD file"
JDK-8269772	[macos-aarch64] test compilation failed with "SocketException: No buffer space available"
JDK-8269771	assert(tmp == _callprojs.fallthrough_catchproj) failed: allocation control projection
JDK-8269768	JFR Terminology Refresh
JDK-8269752	C2: assert(false) failed: Bad graph detected in build_loop_late

OpenJDK Patch ID	Synopsis
JDK-8269746	C2: assert(!in _{is_CFG} ()) failed: CFG Node with no controlling input?
JDK-8269745	[JVMCI] restore original qualified exports to Graal
JDK-8269738	AssertionError when combining pattern matching and function closure
JDK-8269722	NPE in HtmlDocletWriter
JDK-8269704	Typo in j.t.Normalizer.normalize()
JDK-8269703	ProblemList vmTestbase/nsk/jvmti/scenarios/sampling/SP07/sp07t002/TestDescription.java on Windows-X64 with -Xcomp
JDK-8269691	ProblemList sun/management/jdp/JdpDefaultsTest.java on Linux-aarch64
JDK-8269668	[aarch64] java.library.path not including /usr/lib64
JDK-8269661	JNI_GetStringCritical does not lock char array
JDK-8269650	Optimize gc-locker in [Get Release]StringCritical for latin string
JDK-8269635	Stress test SEGV while emitting OldObjectSample
JDK-8269614	[s390] Interpreter checks wrong bit for slow path instance allocation
JDK-8269594	assert(_handle_mark_nesting > 1) failed: memory leak: allocating handle outside HandleMark
JDK-8269580	assert(is_valid()) failed: invalid register (-1)
JDK-8269575	C2: assert(false) failed: graph should be schedulable after JDK-8252372
JDK-8269568	JVM crashes when running VectorMask query tests
JDK-8269558	fix of JDK-8252657 missed to update history at the end of JVM TI spec
JDK-8269543	The warning for System::setSecurityManager should only appear once for each caller
JDK-8269534	Remove java/util/concurrent/locks/Lock/TimedAcquireLeak.java from ProblemList.txt
JDK-8269529	javax/swing/reliability/HangDuringStaticInitialization.java fails in Windows debug build

OpenJDK Patch ID	Synopsis
JDK-8269528	VectorAPI Long512VectorTest fails on X86 KNL target
JDK-8269525	Deadlock during Volano with JFR
JDK-8269517	compiler/loopopts/TestPartialPeelingSinkNodes.java crashes with -XX:+VerifyGraphEdges
JDK-8269513	Clarify the spec wrt <code>useOldISOCodes</code> system property
JDK-8269486	CallerAccessTest fails for non server variant
JDK-8269426	Rename test/jdk/java/lang/invoke/t8150782 to accessClassAndFindClass
JDK-8269406	3.3: Clarify the effect of Unicode escape processing
JDK-8269403	Fix jpackage tests to gracefully handle jpackage app launcher crashes
JDK-8269354	javac crashes when processing parenthesized pattern in instanceof
JDK-8269351	Proxy::newProxyInstance and MethodHandleProxies::asInterfaceInstance should reject sealed interfaces
JDK-8269335	Unable to load svml library
JDK-8269316	ProblemList vmTestbase/vm/mlvm/mixed/stress/regression/b6969574/INDIFY_Test.java on Linux-X64 -Xcomp
JDK-8269315	ProblemList javax/swing/JFileChooser/FileSystemView/SystemIconTest.java on Win-X64
JDK-8269314	ProblemList serviceability/dcmd/gc/RunFinalizationTest.java on Win-X64 and linux-aarch64
JDK-8269307	ProblemList java/awt/KeyboardFocusmanager/TypeAhead/ButtonActionKeyTest/ButtonActionKeyTest.java on win-x64
JDK-8269304	Regression ~5% in 2005 in b27
JDK-8269302	serviceability/dcmd/framework/InvalidCommandTest.java still fails after JDK-8268433

OpenJDK Patch ID	Synopsis
JDK-8269301	Switch statement with a pattern, constant and default label elements crash javac
JDK-8269285	Crash/miscompile in CallGenerator::for_method_handle_inline after JDK-8191998
JDK-8269281	java/foreign/Test{Down,Up}call.java time out
JDK-8269276	Additional tests for MessageDigest with different providers
JDK-8269265	ProblemList serviceability/sa/TestJmapCoreMetaspace.java with ZGC
JDK-8269260	Add AVX512 and other SSE + AVX combinations testing for tests which generate vector instructions
JDK-8269246	Scoped ByteBuffer vector access
JDK-8269240	java/foreign/stackwalk/TestAsyncStackWalk.java test failed with concurrent GC
JDK-8269232	assert(!is_jweak(handle)) failed: wrong method for detroying jweak
JDK-8269230	C2: main loop in micro benchmark never executed
JDK-8269218	GaloisCounterMode.overlapDetection misses the JDK-8263436 fix again
JDK-8269185	Directories in /opt/runtimepackagetest and /path/to/jdk-17 are different
JDK-8269181	[TESTBUG] Wrong icon displayed in FileAssociationTest for linux
JDK-8269179	Crash in TestMacroLogicVector::testSubWordBoolean: assert(_base >= VectorMask && _base < VectorZ) failed: Not a Vector
JDK-8269150	UnicodeReader not translating \u005c\u005d to \\
JDK-8269148	Update minor GCC version in GitHub Actions pipeline
JDK-8269146	Missing unreported constraints on pattern and other case label combination
JDK-8269141	Switch statement containing pattern case label element gets in the loop during execution
JDK-8269126	Rename G1AllowPreventiveGC option to G1UsePreventiveGC

OpenJDK Patch ID	Synopsis
JDK-8269125	Klass enqueue element size calculation wrong when traceid value cross compress limit
JDK-8269088	C2 fails with <code>assert(In::is_Store() && In::is_LoadStore())</code> failed: no node with a side effect
JDK-8269074	(fs) Files.copy fails to copy from /proc on some linux kernel versions
JDK-8269066	<code>assert(ZAddress::is_marked(addr))</code> failed: Should be marked
JDK-8269065	[REDO] vmTestbase/vm/mlvm/anonloader/stress/oome/metaspace/Test.java failed with <code>OutOfMemoryError</code>
JDK-8269064	Dropped messages of AsyncLogWriter cause memleak
JDK-8269063	Build failure due to <code>VerifyReceiverTypes</code> was not declared after JDK-8268405
JDK-8269036	tools/jpackage/share/ApplyImagePackageTest.java failed with "hdiutil: create failed - Resource busy"
JDK-8269034	<code>AccessControlException</code> for SunPKCS11 daemon threads
JDK-8269025	jsig/Testjsig.java doesn't check exit code
JDK-8268972	Add default impl for recent new Reporter.print method
JDK-8268971	ProblemList tools/jpackage/windows/WinInstallerIconTest.java on win-x64
JDK-8268966	AArch64: 'bad AD file' in some vector conversion tests
JDK-8268965	TCP Connection Reset when connecting simple socket to SSL server
JDK-8268961	Parenthesized pattern with guards does not work
JDK-8268909	ProblemList jdk/jfr/api/consumer/streaming/TestLatestEvent.java on win-x64
JDK-8268904	JFR: Docs for <code>-XX:StartFlightRecording</code> is incorrect
JDK-8268903	JFR: <code>RecordingStream::dump</code> is missing <code>@since</code>
JDK-8268901	JDK-8268768 missed removing two files

OpenJDK Patch ID	Synopsis
JDK-8268897	[TESTBUG] compiler/compilercontrol/mixed/RandomCommandsTest.java must not fail on Command.quiet
JDK-8268896	Parenthesized pattern is not guarded by source level check
JDK-8268888	Upstream 8268230: Foreign Linker API & Windows user32/kernel32: String conversion seems broken
JDK-8268884	C2: Compile::remove_speculative_types must iterate top-down
JDK-8268883	C2: assert(false) failed: unscheduable graph
JDK-8268871	Adjust javac to updated exhaustiveness specification
JDK-8268863	ProblemList serviceability/sa/TestJmapCoreMetaspace.java on linux-x64 with ZGC
JDK-8268861	Disable Windows-Aarch64 build in GitHub Actions
JDK-8268859	jshell throws exception while parsing illegal "case true"
JDK-8268851	ProblemList jdk/jfr/event/gc/detailed/TestEvacuationFailedEvent.java on linux-X64
JDK-8268830	ProblemList 3 serviceability/dcmd/framework tests with ZGC on win-x64
JDK-8268828	ProblemList compiler/intrinsics/VectorizedMismatchTest.java on win-x64
JDK-8268826	Cleanup Override in Context-Specific Deserialization Filters
JDK-8268778	CDS check_excluded_classes needs DumpTimeTable_lock
JDK-8268776	Test <code>ADatagramSocket.java</code> missing /othervm from @run tag
JDK-8268775	Password is being converted to String in AccessibleJPasswordField
JDK-8268774	Residual logging output written to STDOUT, not STDERR
JDK-8268768	idea.sh has been updated in surprising and incompatible ways
JDK-8268766	Desugaring of pattern matching enum switch should be improved
JDK-8268748	Javac generates uncorrect bytecodes when using nested pattern variables

OpenJDK Patch ID	Synopsis
JDK-8268739	AArch64: Build failure after JDK-8267663
JDK-8268736	Use apiNote in AutoCloseable.close javadoc
JDK-8268723	Problem list SA core file tests on OSX when using ZGC
JDK-8268717	Upstream: 8268673: Stack walk across optimized entry frame on fresh native thread fails
JDK-8268714	[macos-aarch64] 7 java/net/httpclient/websocket tests failed
JDK-8268702	JFR diagnostic commands lack argument descriptors when viewed using Platform MBean Server
JDK-8268699	Shenandoah: Add test for JDK-8268127
JDK-8268678	LetsEncryptCA.java test fails as Let's Encrypt Authority X3 is retired
JDK-8268676	assert(!ik.is_interface() && !ik.has_subclass()) failed: inconsistent klass hierarchy
JDK-8268672	C2: assert(!loop.is_member(u_loop)) failed: can be in outer loop or out of both loops only
JDK-8268670	yield statements doesn't allow ~ or ! unary operators in expression
JDK-8268663	Crash when guards contain boolean expression
JDK-8268643	SVML lib shouldn't be generated when C2 is absent
JDK-8268641	[foreign] assert(allocates2(pc)) failed: not in CodeBuffer memory with ShenandoahGC
JDK-8268638	semaphores of AsyncLogWriter may be broken when JVM is exiting.
JDK-8268635	Corrupt oop in ClassLoaderData
JDK-8268630	ProblemList serviceability/jvmti/CompiledMethodLoad/Zombie.java on linux-aarch64
JDK-8268621	SunJCE provider may throw unexpected NPE for un-initialized AES KW/KWP Ciphers
JDK-8268620	InfiniteLoopException test may fail on x86 platforms
JDK-8268612	a few runtime/memory tests don't check exit code

OpenJDK Patch ID	Synopsis
JDK-8268602	a couple runtime/os tests don't check exit code
JDK-8268601	mark hotspot runtime/records tests which ignore external VM flags
JDK-8268599	mark hotspot runtime/sealedClasses tests which ignore external VM flags
JDK-8268598	mark hotspot runtime/stringtable tests which ignore external VM flags
JDK-8268597	mark hotspot runtime/symboltable tests which ignore external VM flags
JDK-8268596	mark hotspot runtime/verifier tests which ignore external VM flags
JDK-8268594	runtime/handshake tests don't need WhiteBox after AOT removal
JDK-8268592	JDK-8262891 causes an NPE in Lint.augment
JDK-8268591	a few runtime/jni tests don't need /othervm
JDK-8268580	runtime/memory/LargePages/TestLargePagesFlags.java should be run in driver mode
JDK-8268576	jdk/jfr/event/gc/collection/TestSystemGc.java fails
JDK-8268566	java/foreign/TestResourceScope.java timed out
JDK-8268565	runtime/records/RedefineRecord.java should be run in driver mode
JDK-8268564	mark hotspot serviceability/attach tests which ignore external VM flags
JDK-8268563	mark hotspot serviceability/jvmti tests which ignore external VM flags
JDK-8268557	Module page uses unstyled table class
JDK-8268555	Update HttpClient tests that use ITestContext to jtreg 6+1
JDK-8268549	Typo in file name in example for -Xlint:processing
JDK-8268545	Patterns: Remove stale text about any patterns
JDK-8268544	some runtime/sealedClasses tests should be run in driver mode
JDK-8268543	some runtime/verifier tests should be run in driver mode
JDK-8268542	serviceability/logging/TestFullNames.java tests only 1st test case
JDK-8268541	mark hotspot serviceability/sa tests which ignore external VM flags

OpenJDK Patch ID	Synopsis
JDK-8268539	several serviceability/sa tests should be run in driver mode
JDK-8268538	mark hotspot serviceability/logging tests which ignore external VM flags
JDK-8268537	(Temporary) Disable ParallelRefProcEnabled for Parallel GC
JDK-8268536	mark hotspot serviceability/dcmd tests which ignore external VM flags
JDK-8268534	some serviceability/jvmti tests should be run in driver mode
JDK-8268532	several serviceability/attach tests should be run in driver mode
JDK-8268531	mark SDTProbesGNUlinuxTest as ignoring external VM flags
JDK-8268530	resourcehogs/serviceability/jvmti/GetObjectSizeOverflow.java should be run in driver mode
JDK-8268525	Some new memory leak after JDK-8248268 and JDK-8255557
JDK-8268524	nmethod::post_compiled_method_load_event racingly called on zombie
JDK-8268522	InstanceKlass::can_be_verified_at_dumptime() returns opposite value
JDK-8268482	compiler/intrinsics/VectorizedMismatchTest.java failed with failed: length in range
JDK-8268481	Delete JAWT test files for mac
JDK-8268478	JVMCI tests failing after JDK-8268052
JDK-8268475	execute runtime/InvocationTests w/ -UseVtableBasedCHA
JDK-8268470	CDS dynamic dump asserts with JFR RecordingStream
JDK-8268463	Windows 32bit build fails in DynamicCodeGenerated\libDynamicCodeGenerated.cpp
JDK-8268461	ARM32: vector intrinsics reaches ShouldNotReachHere
JDK-8268443	ParallelGC Full GC should use parallel WeakProcessor
JDK-8268428	Test java/foreign/TestResourceScope.java fails: expected [M] but found [N]
JDK-8268424	JFR tests fail due to GC cause 'G1 Preventive Collection' not in the valid causes after JDK-8257774

OpenJDK Patch ID	Synopsis
JDK-8268417	Add test from JDK-8268360
JDK-8268407	ProblemList sun/tools/jstat/jstatLineCountsX.sh on linux-aarch64 due to JDK-8268211
JDK-8268405	Several regressions 4-17% after CHA changes
JDK-8268404	[TESTBUG] tools/jpackage/windows/WinInstallerIconTest.java failed "AssertionError: Failed: Check icon"
JDK-8268390	G1 concurrent gc upgrade to full gc not working
JDK-8268388	Update large pages information in Java manpage
JDK-8268377	Windows 32bit build fails after JDK-8268174
JDK-8268372	ZGC: dynamically select the number of concurrent GC threads used
JDK-8268371	C2: assert(_gvn.type(obj)⊆higher_equal(tjp)) failed: cast_up is no longer needed
JDK-8268369	SIGSEGV in PhaseCFG::implicit_null_check due to missing null check
JDK-8268366	Incorrect calculation of has_fpu_registers in C1 linear scan
JDK-8268362	[REDO] C2 crash when compile negative Arrays.copyOf length after loop
JDK-8268353	Test libsvm.so is and is not present in jdk image
JDK-8268352	Rename javadoc Messenger class to JavadocLog
JDK-8268350	Remove assert that ensures thread identifier remains the same
JDK-8268349	Provide clear run-time warnings about Security Manager deprecation
JDK-8268347	C2: nested locks optimization may create unbalanced monitor enter/exit code
JDK-8268342	java/foreign/channels/TestAsyncSocketChannels.java fails with "IllegalStateException: This segment is already closed"
JDK-8268339	Upstream: 8267989: Exceptions thrown during upcalls should be handled
JDK-8268333	javac crashes when pattern matching switch contains default case which is not last

OpenJDK Patch ID	Synopsis
JDK-8268331	Fix crash in humongous object eager reclaim logging
JDK-8268327	Upstream: 8268169: The system lookup can not find stdio functions such as printf on Windows 10
JDK-8268320	Better error recovery for broken patterns in switch
JDK-8268318	Missing comma in copyright header
JDK-8268316	Typo in JFR jdk.Deserialization event
JDK-8268303	Incorrect casts in JfrWriterHost::write for Ticks and Tickspan
JDK-8268301	Closed test: compiler/c2/6371167/Test.java fails after JDK-8267904
JDK-8268299	javms tag produces incorrect URL
JDK-8268296	ScopedMemoryAccess build error with readonly filesystems
JDK-8268293	VectorAPI cast operation on mask and shuffle is broken
JDK-8268292	compiler/intrinsics/VectorizedMismatchTest.java fails with release VMs
JDK-8268289	build failure due to missing signed flag in x86 evcmpb instruction
JDK-8268286	ProblemList serviceability/sa/TestJmapCore.java on linux-aarch64 with ZGC
JDK-8268285	vmTestbase/nsk/jvmti/GetThreadState/thrstat002 failed with "Wrong thread "thr1" (...) state after SuspendThread"
JDK-8268279	gc/shenandoah/compiler/TestLinkToNativeRBP.java fails after LibraryLookup is gone
JDK-8268272	Remove JDK-8264874 changes because Graal was removed.
JDK-8268267	Remove -Djavatest.security.noSecurityManager=true from jtreg runs
JDK-8268265	MutableSpaceUsedHelper::take_sample() hits assert(left >= right) failed: avoid overflow
JDK-8268241	Deprecate JVM TI Heap functions 1.0
JDK-8268236	The documentation of the String.regionMatches method contains error

OpenJDK Patch ID	Synopsis
JDK-8268230	Foreign Linker API & Windows user32/kernel32: String conversion seems broken
JDK-8268227	java/foreign/TestUpcall.java still times out
JDK-8268226	[TEST_BUG] WinShortcutPromptTestWithShortcutPrompt test appOutput.txt is not created
JDK-8268224	Cleanup references to "strictfp" in core lib comments
JDK-8268223	Problemlist vmTestbase/nsk/jdi/HiddenClass/events/events001.java
JDK-8268222	javax/xml/jaxp/unittest/transform/Bug6216226Test.java failed, cannot delete file
JDK-8268214	Use system zlib and disable dtrace when building linux-aarch64 at Oracle
JDK-8268192	LambdaMetafactory with invokespecial causes VerificationError
JDK-8268189	ProblemList compiler/intrinsics/bmi/verifycode/BzhiTestI2L.java in -Xcomp mode
JDK-8268185	Update GitHub Actions for jtreg 6
JDK-8268174	Move x86-specific stub declarations into stubRoutines_x86.hpp
JDK-8268167	MultipleLogins.java failure on macosx-aarch64
JDK-8268165	AsyncLogging will crash if rotate() fails
JDK-8268164	Adopt cast notation for WorkerThread conversions
JDK-8268163	Change the order of fallback full GCs in G1
JDK-8268151	Vector API toShuffle optimization
JDK-8268150	tier2: test/jdk/tools/jpackage/junit/junit.java needs updating for jtreg 6
JDK-8268147	need to update reference to testng module for jtreg6
JDK-8268146	fix for JDK-8266254 fails validate-source
JDK-8268142	Switch to jdk-17+24 for macosx-aarch64 at Oracle
JDK-8268139	CDS ArchiveBuilder may reference unloaded classes
JDK-8268138	docs build error after JDK-8263332 integration

OpenJDK Patch ID	Synopsis
JDK-8268133	Update java/net/Authenticator tests to eliminate dependency on sun.net.www.MessageHeader and some other internal APIs
JDK-8268131	2 java/foreign tests timed out
JDK-8268129	LibraryLookup::ofDefault leaks symbols from loaded libraries
JDK-8268127	Shenandoah: Heap size may be too small for region to align to large page size
JDK-8268125	ZGC: Clone oop array gets wrong acopy stub
JDK-8268124	Update java.lang to use switch expressions
JDK-8268122	Add specific gc cause for G1 full collections
JDK-8268119	Rename copy_os_cpu.inline.hpp files to copy_os_cpu.hpp
JDK-8268118	Rename bytes_os_cpu.inline.hpp files to bytes_os_cpu.hpp
JDK-8268103	JNI functions incorrectly return a double after JDK-8265836
JDK-8268095	CDS MethodHandle tests should add -XX:-VerifyDependencies
JDK-8268094	Some vmTestbase/nsk tests fail after ACC_STRICT/strictfp changes
JDK-8268093	Manual Testcase: "sun/security/krb5/config/native/TestDynamicStore.java" Fails with NPE
JDK-8268088	Clarify Method::clear_jmethod_ids() related comments in ClassLoaderData::~~ClassLoaderData()
JDK-8268087	Update documentation of the JPasswordField
JDK-8268083	JDK-8267706 breaks bin/idea.sh on a Mac
JDK-8268080	java/util/concurrent/forkjoin/AsyncShutdownNow.java fails with java.util.concurrent.RejectedExecutionException
JDK-8268077	java.util.List missing from Collections Framework Overview
JDK-8268056	Update java.net and java.nio to use switch expressions
JDK-8268052	[JVMCI] non-default installed code must be marked as in_use

OpenJDK Patch ID	Synopsis
JDK-8268041	ProblemList runtime/cds/appcds/dynamicArchive/TestDynamicDumpAtOom.java on linux-x64 in -Xcomp
JDK-8268036	ProblemList gtest/AsyncLogGtest.java
JDK-8268023	Improve diagnostic for HandshakeFailureTest
JDK-8268018	remove dead code in commitLimiter
JDK-8268017	C2: assert(phi_type≠isa_int() phi_type≠isa_ptr() phi_type≠isa_long()) failed: bad phi type
JDK-8268014	Build failure on SUSE Linux Enterprise Server 11.4 (s390x) due to 'SYS_get_mempolicy' was not declared
JDK-8267995	Add reference to JVMMS class file format in Lookup::defineHiddenClass
JDK-8267990	Revisit some uses of <code>synchronized</code> in the HttpClient API
JDK-8267988	C2: assert(!addp≠is_AddP() addp≠in(AddPNode::Base)≠is_top() addp≠in(AddPNode::Base) == n≠in(AddPNode::Base)) failed: Base pointers must match (addp 1301)
JDK-8267979	C2: Fix verification code in SubTypeCheckNode::Ideal()
JDK-8267972	Inline cache cleaning is not monotonic
JDK-8267969	Add vectorized implementation for VectorMask.eq()
JDK-8267958	[TESTBUG] cds DynamicLoaderConstraintsTest.java timed out
JDK-8267954	Shared classes that failed to load should not be loaded again
JDK-8267953	restore 'volatile' to ObjectMonitor::_owner field
JDK-8267952	async logging supports to dynamically change tags and decorators
JDK-8267947	CI: Preserve consistency between has_subclass() and is_subclass_of()
JDK-8267945	ZGC: Revert NUMA changes (JDK-8266217 and JDK-8241354) after JDK-8241423
JDK-8267939	Clarify the specification of iterator and spliterator forEachRemaining
JDK-8267938	(sctp) SCTP channel factory methods should check platform support

OpenJDK Patch ID	Synopsis
JDK-8267937	Wrong indentation in G1 gc+phases log for free cset subphases
JDK-8267934	remove dead code in CLD
JDK-8267926	AsyncLogGtest.java fails on assert with: decorator was not part of the decorator set specified at creation.
JDK-8267924	Misleading G1 eager reclaim detail logging
JDK-8267921	Remove redundant loop from sun.reflect.misc.ReflectUtil.privateCheckPackageAccess()
JDK-8267920	Create separate Events buffer for VMOperations
JDK-8267917	mark hotspot containers tests which ignore external VM flags
JDK-8267916	Adopt cast notation for CompilerThread conversions
JDK-8267914	Remove DeferredObjectToKlass workaround
JDK-8267908	linux: thread_native_entry can scribble on stack frame
JDK-8267904	C2 crash when compile negative Arrays.copyOf length after loop
JDK-8267886	ProblemList javax/management/remote/mandatory/connection/RMConnector_NPET est.java
JDK-8267879	ClassLoaderMetaspace destructor asserts on !_frozen
JDK-8267875	Shenandoah: Duplicated code in ShenandoahBarrierSetC2::ideal_node()
JDK-8267861	Update SourceVersion with new language features in 16 and 17
JDK-8267845	Add @requires to avoid running G1 large pages test with wrong page size
JDK-8267842	SIGSEGV in get_current_contended_monitor
JDK-8267839	trivial mem leak in numa
JDK-8267836	Separate eager reclaim remembered set threshold from G1RSetSparseRegionEntries
JDK-8267832	SimpleVisitors and Scanners in jdk.compiler should use @implSpec

OpenJDK Patch ID	Synopsis
JDK-8267817	[TEST] Remove unnecessary init in test/micro/org/openjdk/bench/javax/crypto/full/AESGCMBench:setup
JDK-8267807	C2: Downcast receiver to target holder during inlining
JDK-8267806	C1: Relax inlining checks for not yet initialized classes
JDK-8267805	Add UseVtableBasedCHA to the list of JVM flags known to jtreg
JDK-8267800	Remove the '_dirty' set in BCEscapeAnalyzer
JDK-8267773	PhaseStringOpts::int_stringSize doesn't handle min_jint correctly
JDK-8267764	jpackage cannot handle window screensaver files when EXE renamed as SCR
JDK-8267754	cds/appcds/loaderConstraints/LoaderConstraintsTest.java fails on x86_32 due to customized class loader is not supported
JDK-8267751	(test) jtreg.SkippedException has no serialVersionUID
JDK-8267750	Incomplete fix for JDK-8267683
JDK-8267726	ZGC: array_copy_requires_gc_barriers too strict
JDK-8267721	Enable sun/security/pkcs11 tests for Amazon Linux 2 AArch64
JDK-8267709	Investigate differences between HtmlStyle and stylesheet.css
JDK-8267708	Remove references to com.sun.tools.javadoc.**
JDK-8267706	bin/idea.sh tries to use cygpath on WSL
JDK-8267703	runtime/cds/appcds/cacheObject/HeapFragmentationTest.java crashed with OutOfMemory
JDK-8267691	Change table to obsolete CriticalJNINatives in JDK 18, not 17
JDK-8267687	ModXNode::Ideal optimization is better than Parse::do_irem
JDK-8267683	rfc7301Grease8F value not displayed correctly in SSLParameters javadoc
JDK-8267670	Update java.io, java.math, and java.text to use switch expressions
JDK-8267663	[vector] Add unsigned comparison operators on AArch64
JDK-8267658	8.10.3: "floating point" rather than "floating-point"

OpenJDK Patch ID	Synopsis
JDK-8267653	Remove Mutex::_safepoint_check_sometimes
JDK-8267652	c2 loop unrolling by 8 results in reading memory past array
JDK-8267651	runtime/handshake/HandshakeTimeoutTest.java times out when dumping core
JDK-8267633	Clarify documentation of (Doc)TreeScanner
JDK-8267616	AArch64: Fix AES assertion messages in stubGenerator_aarch64.cpp
JDK-8267614	Outline VarHandleGuards exact behavior checks
JDK-8267612	Declare package-private VarHandle.AccessMode/AccessType counts
JDK-8267611	Print more info when pointer_delta assert fails
JDK-8267610	NPE at at jdk.compiler/com.sun.tools.javac.jvm.Code.emitop
JDK-8267602	[macos] [lanai] java/awt/PrintJob/Text/stringwidth.sh doesn't exit on cancelling print dialog
JDK-8267598	jpackage removes system libraries from java.library.path
JDK-8267587	Update java.util to use enhanced switch
JDK-8267584	The java.security.krb5.realm system property only needs to be defined once
JDK-8267583	jmod fails on symlink to class file
JDK-8267580	The method JavacParser#peekToken is wrong when the first parameter is not zero
JDK-8267579	Thread::cooked_allocated_bytes() hits assert(left >= right) failed: avoid underflow
JDK-8267578	Remove unnecessary preview checks
JDK-8267575	Add new documentation group in HtmlStyle
JDK-8267574	Dead code in HtmlStyle/HtmlDocletWriter
JDK-8267570	The comment of the class JavacParser is not appropriate
JDK-8267569	java.io.File.equals contains misleading Javadoc

OpenJDK Patch ID	Synopsis
JDK-8267564	JDK-8252971 causes SPECjbb2015 socket exceptions on Windows when MKS is installed
JDK-8267562	G1: Missing BOT in Open Archive regions causes long pauses
JDK-8267555	Fix class file version during redefinition after 8238048
JDK-8267553	Extra JavaThread assignment in ClassLoader::create_class_path_entry()
JDK-8267544	(test) rmi test NonLocalSkeleton fails if network has multiple adapters with the same address
JDK-8267543	Post JEP 411 refactoring: security
JDK-8267531	[x86] Assembler::andb(Address,Register) encoding is incorrect
JDK-8267529	StringJoiner can create a String that breaks String::equals
JDK-8267521	Post JEP 411 refactoring: maximum covering > 50K
JDK-8267481	Make sure table row has correct number of cells
JDK-8267480	Explicitly problemlist all runtime/os/TestTracePageSizes.java tests on linux-aarch64 to reduce noise
JDK-8267468	Rename refill waster counters in ThreadLocalAllocBuffer
JDK-8267465	remove superfluous preview related annotations and test options
JDK-8267464	Circular-dependency resilient inline headers
JDK-8267463	Problemlist runtime/os/TestTracePageSizes.java on linux-aarch64 to reduce noise
JDK-8267459	Pasting Unicode characters into JShell does not work.
JDK-8267452	Delegate forEachRemaining in Spliterators.iterator()
JDK-8267448	Add "ulimit -a" to environment.html
JDK-8267446	Taskqueue code fails with assert(bottom_relaxed() == age_top_relaxed()) failed: not empty
JDK-8267434	Remove LinkOutput[Impl]

OpenJDK Patch ID	Synopsis
JDK-8267431	Rename InstanceKlass::has_old_class_version to can_be_verified_at_dumptime
JDK-8267430	GraphicsDevice.setDisplayMode(REFRESH_RATE_UNKNOWN) throws IAE: Unable to set display mode!
JDK-8267424	CTW: C1 fails with "State must not be null"
JDK-8267423	Fix copyrights in jpackage tests
JDK-8267421	j.l.constant.DirectMethodHandleDesc.Kind.valueOf(int) implementation doesn't conform to the spec regarding REF_invokeInterface handling
JDK-8267409	ProblemList gc/epsilon/TestClasses.java on linux-x64
JDK-8267407	ProblemList vmTestbase/vm/mlvm/anonloader/stress/oome/metaspace/Test.java on linux-aarch64
JDK-8267404	vmTestbase/vm/mlvm/anonloader/stress/oome/metaspace/Test.java failed with OutOfMemoryError
JDK-8267403	tools/jpackage/share/FileAssociationsTest.java#id0 failed with "Error: Bundler "Mac PKG Package" (pkg) failed to produce a package"
JDK-8267399	C2: java/text/Normalizer/ConformanceTest.java test failed with assertion
JDK-8267397	AlgorithmId's OID cache is never refreshed
JDK-8267396	Avoid recording "pc" in unhandled oops detector for better performance
JDK-8267375	Aarch64: JVM crashes with option -XX:PrintIdealGraphLevel=3 on SVE backend
JDK-8267371	Concurrent gtests take too long
JDK-8267370	[Vector API] Fix several crashes after JDK-8256973
JDK-8267364	Remove mask.incr which is introduced by JDK-8256973
JDK-8267361	JavaTokenizer reads octal numbers mistakenly
JDK-8267357	build breaks with -Werror option on micro benchmark added for JDK-8256973

OpenJDK Patch ID	Synopsis
JDK-8267351	runtime/cds/SharedBaseAddress.java fails on x86_32 due to Unrecognized VM option 'UseCompressedOops'
JDK-8267350	Archived old interface extends interface with default method causes crash
JDK-8267348	Rewrite gc/epsilon/TestClasses.java to use Metaspace with less classes
JDK-8267347	CDS record_linking_constraint asserts with unregistered class
JDK-8267339	Temporarily disable os.release_multi_mappings_vm on macOS x64
JDK-8267338	[JVMCI] revive JVMCI API removed by JDK-8243287
JDK-8267332	xor value should handle bounded values
JDK-8267329	Modernize Javadoc code to use instanceof with pattern matching
JDK-8267321	Use switch expression for VarHandle\$AccessMode lookup
JDK-8267317	Remove DeferredTypeCompleter
JDK-8267311	vmTestbase/gc/gctests/StringInternGC/StringInternGC.java eventually OOMEs
JDK-8267304	Bump global JTReg memory limit to 768m
JDK-8267293	vmTestbase/vm/mlvm/anonloader/stress/oome/metaspace/Test.java fails when JTREG_JOBS > 25
JDK-8267271	Fix gc/arguments/TestNewRatioFlag.java expectedNewSize calculation
JDK-8267262	com/sun/net/httpserver/Filter improve API documentation of static methods
JDK-8267257	Shenandoah: Always deduplicate strings when it is enabled during full gc
JDK-8267255	Update Oracle ALPN guide for JDK 8u
JDK-8267246	-XX:MaxRAMPercentage=0 is unreasonable for jtreg tests on many-core machines
JDK-8267239	C1: RangeCheckElimination for % operator if divisor is IntConstant
JDK-8267237	ARM32: bad AD file in matcher.cpp after 8266810

OpenJDK Patch ID	Synopsis
JDK-8267236	Versioned platform link in TestMemberSummary.java
JDK-8267235	[macos_aarch64] InterpreterRuntime::throw_pending_exception messing up LR results in crash
JDK-8267229	Split runtime/Metaspace/elastic test configurations for better scalability
JDK-8267221	jshell feedback is incorrect when creating method with array varargs parameter
JDK-8267219	Javadoc method summary breaks when {@inheritDoc} from an empty parent
JDK-8267218	jdk/jfr/event/gc/collection/TestG1ParallelPhases.java fails with Not found phases\': StringDedupQueueFixup, StringDedupTableFixup
JDK-8267213	cpuinfo_segfv is incorrectly triaged as execution protection violation on x86_32
JDK-8267212	test/jdk/java/util/Collections/FindSubList.java intermittent crash with "no reachable node should have no use"
JDK-8267209	Child threads should defer logging to after child-parent handshake
JDK-8267204	Expose access to underlying streams in Reporter
JDK-8267191	Avoid repeated SystemDictionaryShared::should_be_excluded calls
JDK-8267190	Optimize Vector API test operations
JDK-8267187	Remove deprecated constructor for Log
JDK-8267184	Add -Djava.security.manager=allow to tests calling System.setSecurityManager
JDK-8267180	Typo in copyright header for HashesTest
JDK-8267178	Release Note: Removal of sun.misc.Unsafe::defineAnonymousClass
JDK-8267176	StandardDoclet should provide access to Reporter and Locale
JDK-8267166	Remove test file vmTestbase/vm/mlvm/tools/LoadClass.java
JDK-8267162	Add jtreg test group definitions for langtools
JDK-8267155	runtime/os/TestTracePageSizes times out

OpenJDK Patch ID	Synopsis
JDK-8267153	Problemlist jdk/jfr/event/gc/collection/TestG1ParallelPhases.java to remove the noise from CI
JDK-8267151	C2: Don't create dummy Opaque1Node for outmost unswitched IfNode
JDK-8267133	jdk/jfr/event/gc/collection/TestG1ParallelPhases.java fails with Not expected phases: RestorePreservedMarks, RemoveSelfForwardingPtr: expected true, was false
JDK-8267130	Memory Overflow in Disassembler::load_library
JDK-8267127	Add new print method to doclet Reporter interface
JDK-8267126	javadoc should show "line and caret" for diagnostics.
JDK-8267123	Remove RMI Activation
JDK-8267119	switch expressions lack support for deferred type-checking
JDK-8267118	OutOfMemoryError cannot be caught as a Throwable
JDK-8267117	sun/hotspot/whitebox/CPUInfoTest.java fails on Ice Lake
JDK-8267116	Lanai: Incorrect AlphaComposite for VolatileImage graphics
JDK-8267114	Release Note: Add java.time.InstantSource
JDK-8267112	JVMCI compiler modules should be kept upgradable
JDK-8267110	Update java.util to use instanceof pattern variable
JDK-8267100	[BACKOUT] JDK-8196415 Disable SHA-1 Signed JARs
JDK-8267098	AArch64: C1 StubFrames end confusingly
JDK-8267095	Miscellaneous cleanups in vm.runtime.defmeth tests
JDK-8267089	Use typedef KVHashtable for ID2KlassTable
JDK-8267073	Race between Card Redirtying and Freeing Collection Set regions results in missing remembered set entries with G1
JDK-8267066	New NSAccessibility peers should return they roles and subroles directly
JDK-8267056	tools/jpackage/share/RuntimePackageTest.java fails with NoSuchFileException

OpenJDK Patch ID	Synopsis
JDK-8267047	Put serviceability/sa/TestJmapCoreMetaspace.java back on ZGC problem list due to JDK-8267045
JDK-8267043	IntelliJ project doesn't handle generated sources correctly
JDK-8267042	bug in monitor locking/unlocking on ARM32 C1 due to uninitialized BasicObjectLock::_displaced_header
JDK-8266973	Migrate to ClassHierarchyIterator when enumerating subclasses
JDK-8266967	debug.cpp utility find() should print Java Object fields.
JDK-8266963	Remove safepoint poll introduced in 8262443 due to reentrance issue
JDK-8266962	Add arch supporting check for "Op_VectorLoadConst" before creating the node
JDK-8266957	SA has not followed JDK-8220587 and JDK-8224965
JDK-8266951	Partial in-lining for vectorized mismatch operation using AVX512 masked instructions
JDK-8266950	Remove vestigial support for non-strict floating-point execution
JDK-8266949	Check possibility to disable OperationTimedOut on Unix
JDK-8266942	gtest/GTestWrapper.java os.iso8601_time_vm failed
JDK-8266937	Remove Compile::reshape_address
JDK-8266925	Add a test to verify that hidden class's members are not statically invocable
JDK-8266923	[JVMCI] expose StackOverflow::_stack_overflow_limit to JVMCI
JDK-8266918	merge_stack in check_code.c add NULL check
JDK-8266904	Use function pointer typedefs in OopOopIterateDispatch
JDK-8266897	com/sun/net/httpserver/FilterTest.java fails intermittently with AssertionError
JDK-8266892	avoid maybe-uninitialized gcc warnings on linux s390x
JDK-8266891	Provide a switch to force the class space to a specific location

OpenJDK Patch ID	Synopsis
JDK-8266889	[macosx-aarch64] Crash with SIGBUS in MarkActivationClosure::do_code_blob during vmTestbase/nsk/jvmti/.../bi04t002 test run
JDK-8266885	[aarch64] Crash with 'Field too big for insn' for some tests under compiler/jvmci/jdk.vm.ci.code.test/src/jdk/vm/ci/code/test/
JDK-8266881	Enable debug log for SSLEngineExplorerMatchedSNI.java
JDK-8266877	Missing local debug information when debugging JEP-330
JDK-8266874	Clean up C1 canonicalizer for TableSwitch/LookupSwitch
JDK-8266857	PipedOutputStream.sink should be volatile
JDK-8266856	Make <wbr> element void
JDK-8266854	LibraryCallKit::inline_preconditions_checkIndex modifies control flow even if the intrinsic bailed out
JDK-8266851	Implement JEP 403: Strongly Encapsulate JDK Internals
JDK-8266846	Add java.time.InstantSource
JDK-8266845	Shenandoah: Simplify SBS::load_reference_barrier implementation
JDK-8266835	Add a --validate option to the jar tool
JDK-8266822	Rename MetaspaceShared::is_old_class to be more explicit about what "old" means
JDK-8266821	G1: Prefetch cards during merge heap roots phase
JDK-8266820	micro java/nio/SelectorWakeup.java has wrong copyright header
JDK-8266819	Separate the stop policies from the compile policies completely
JDK-8266813	Shenandoah: Use shorter instruction sequence for checking if marking in progress
JDK-8266810	Move trivial Matcher code to cpu-specific header files
JDK-8266808	Search label still uses old search field id
JDK-8266807	Windows os_windows-gtest broken for UseLargePages

OpenJDK Patch ID	Synopsis
JDK-8266802	Shenandoah: Round up region size to page size unconditionally
JDK-8266798	C1: More types of instruction can also apply LoopInvariantCodeMotion
JDK-8266797	Fix for 8266610 breaks the build on macos
JDK-8266796	Clean up the unnecessary code in the method UnsharedNameTable#fromUtf
JDK-8266795	Remove dead code LowMemoryDetectorDisabler
JDK-8266794	Remove dead code notify_allocation_jvmti_allocation_event
JDK-8266787	Potential overflow of pointer arithmetic in G1ArchiveAllocator
JDK-8266784	java/text/Collator/RuleBasedCollatorTest.java fails with jtreg 6
JDK-8266783	java/lang/reflect/Proxy/DefaultMethods.java fails with jtreg 6
JDK-8266779	Use <wbr> instead of ZERO_WIDTH_SPACE
JDK-8266774	System property values for stdout/err on Windows UTF-8
JDK-8266773	Release VM is broken with GCC 9 after 8214237
JDK-8266770	Clean pending exception before running dynamic CDS dump
JDK-8266766	Arrays of types that cannot be an annotation member do not yield exceptions
JDK-8266765	[BACKOUT] JDK-8255493 Support for pre-generated java.lang.invoke classes in CDS dynamic archive
JDK-8266764	[REDO] JDK-8255493 Support for pre-generated java.lang.invoke classes in CDS dynamic archive
JDK-8266761	AssertionError in sun.net.httpserver.ServerImpl.responseCompleted
JDK-8266753	jdk/test/lib/process/ProcTest.java failed with "Exception: Proc abnormal end"
JDK-8266749	AArch64: Backtracing broken on PAC enabled systems
JDK-8266748	Move modifiers code to Signatures.java
JDK-8266742	Check W^X state on possible safepoint

OpenJDK Patch ID	Synopsis
JDK-8266676	G1: Remove dead code <code>init_node_id_to_index_map()</code>
JDK-8266675	Optimize <code>IntHashTable</code> for encapsulation and ease of use
JDK-8266651	Convert <code>Table</code> method parameters from <code>String</code> to <code>Content</code>
JDK-8266646	Add more diagnostic to <code>java/lang/System/LoggerFinder/modules</code>
JDK-8266645	<code>javac</code> should not check for sealed supertypes in intersection types
JDK-8266642	Improve <code>ResolvedMethodTable</code> hash function
JDK-8266637	CHT: Add <code>insert_and_get</code> method
JDK-8266631	<code>StandardJavaFileManager</code> : <code>getJavaFileObjects()</code> impl violates the spec
JDK-8266622	Optimize <code>Class.descriptorString()</code> and <code>Class.getCanonicalName0()</code>
JDK-8266618	Remove broken <code>-XX:-OptoRemoveUseless</code>
JDK-8266615	C2 incorrectly folds subtype checks involving an interface array
JDK-8266614	update manpage for <code>-Xlog:async</code>
JDK-8266610	Method <code>RandomAccessFile#length()</code> returns 0 for block devices on linux.
JDK-8266609	AArch64: include FP/LR space in <code>LIR_Assembler::initial_frame_size_in_bytes()</code>
JDK-8266603	<code>jpackage</code> : Add missing copyright file in Java runtime .deb installers
JDK-8266601	Fix bugs in <code>AddLNode::Ideal</code> transformations
JDK-8266598	Exception values for <code>AnnotationTypeMismatchException</code> are not always informative
JDK-8266596	<code>StandardJavaFileManager</code> : default impls of <code>setLocationFromPaths()</code> , <code>getJavaFileObjectsFromPaths()</code> methods don't throw <code>IllegalArgumentException</code> as specified
JDK-8266595	<code>jdk/jfr/jcmd/TestJcmdDump.java</code> with <code>slowdebug</code> bits fails with <code>AttachNotSupportedException</code>
JDK-8266591	<code>StandardJavaFileManager::getJavaFileObjectsFromPaths()</code> methods contain a typo in their spec

OpenJDK Patch ID	Synopsis
JDK-8266590	StandardJavaFileManager::setLocationFromPaths() spec contains an error
JDK-8266589	(fs) Improve performance of Files.copy() on macOS using copyfile(3)
JDK-8266579	Update test/jdk/java/lang/ProcessHandle/PermissionTest.java & test/jdk/java/sql/testng/util/TestPolicy.java
JDK-8266573	Make sure blackholes are tagged for all JVMCI paths
JDK-8266567	Fix javadoc tag references in sun.management.jmxremote.ConnectorBootstrap
JDK-8266561	Remove Compile::_save_argument_registers
JDK-8266559	XPathEvaluationResult.XPathResultType.NODESET maps to incorrect type
JDK-8266557	assert(SafepointMechanism::local_poll_armed(_handshakee)) failed: Must be
JDK-8266552	Technical corrections to java/util/random/package-info.java
JDK-8266545	8261169 broke Harfbuzz build with gcc 7 and 8
JDK-8266542	Remove broken -XX:-UseLoopSafepoints flag
JDK-8266536	Provide a variant of os::iso8601_time which works with arbitrary timestamps
JDK-8266531	ZAddress::address() should be removed from SA
JDK-8266530	HotSpot changes for JEP 306
JDK-8266528	Optimize C2 VerifyIterativeGVN execution time
JDK-8266527	RandomTestCoverage.java failing due to API removal
JDK-8266522	Shenandoah: Shenandoah LRB calls wrong runtime barrier on aarch64
JDK-8266520	Revert to OpenGL as the default 2D rendering pipeline for macOS
JDK-8266518	Refactor and expand scatter/gather tests
JDK-8266506	[aix] Treat mapping attempt too close to BRK as a mapping error

OpenJDK Patch ID	Synopsis
JDK-8266505	Cleanup LibraryCallKit::make_unsafe_address()
JDK-8266504	Remove leftovers from BarrierSetAssemblerC1
JDK-8266503	[UL] Make Decorations safely copy-able and reduce their size
JDK-8266499	Delete dead code in aarch64.ad
JDK-8266498	Make debug ps() call print_stack
JDK-8266497	Remove unnecessary EMCP liveness indication
JDK-8266496	WBIsKlassAliveClosure.do_klass() fails for hidden classes
JDK-8266491	Remove resolve and obj_equals leftovers from BarrierSetAssembler
JDK-8266489	Enable G1 to use large pages on Windows when region size is larger than 2m
JDK-8266480	Implicit null check optimization does not update control of hoisted memory operation
JDK-8266473	javapath/java.exe strips double quotes from command line args
JDK-8266465	Add wildcard to Jtwork/JTreport exclude in jib-profiles.js
JDK-8266461	tools/jmod/hashe/HashesTest.java fails: static @Test methods
JDK-8266460	java.io tests fail on null stream with upgraded jtreg/TestNG
JDK-8266459	Implement JEP 411: Deprecate the Security Manager for Removal
JDK-8266456	Replace direct TKit.run() calls with jdk.jpackage.test.Annotations.Test annotation
JDK-8266453	Shenandoah: Disable write protections before patching nmethod in nmethod_barrier on MacOSX/AArch64
JDK-8266449	cleanup jtreg tags in compiler/intrinsics/sha/cli tests
JDK-8266440	Shenandoah: TestReferenceShortcutCycle.java test failed on AArch64
JDK-8266438	Compile::remove_useless_nodes does not remove opaque nodes
JDK-8266436	Synthetic constructor trees have non-null return type
JDK-8266432	ZGC: GC allocation stalls can trigger deadlocks

OpenJDK Patch ID	Synopsis
JDK-8266426	ZHeapIteratorOopClosure does not handle native access properly
JDK-8266421	Deadlock in Sound System
JDK-8266419	[aix] in mmap mode, os::attempt_reserve_memory_at() fails to handle wrong mapping address
JDK-8266404	Fatal error report generated with -XX:+CrashOnOutOfMemoryError should not contain suggestion to submit a bug report
JDK-8266400	importkeystore fails to a password less pkcs12 keystore
JDK-8266399	Core libs update for JEP 306
JDK-8266391	Replace use of reflection in jdk.internal.platform.Metrics
JDK-8266369	(se) Add wepoll based Selector
JDK-8266349	Pass down requested page size to reserve_memory_special
JDK-8266345	(fs) Custom DefaultFileSystemProvider security related loops
JDK-8266342	Typo in bug reporting instructions
JDK-8266337	ThreadTimesClosure doesn't handle exceptions properly
JDK-8266332	Adler32 intrinsic for x86 64-bit platforms
JDK-8266330	itableMethodEntry::initialize() asserts with archived old classes
JDK-8266320	(bf) ReadOnlyBufferException in heap buffer put(String,int,int) should not be conditional
JDK-8266318	Switch to macos prefix for macOS bundles
JDK-8266317	Vector API enhancements
JDK-8266313	(JEP-356) - RandomGenerator spec implementation requirements tightly coupled to JDK internal classes
JDK-8266293	Key protection using PBEWithMD5AndDES fails with "java.security.InvalidAlgorithmParameterException: Salt must be 8 bytes long"
JDK-8266291	(jrtfs) Calling Files.exists may break the JRT filesystem

OpenJDK Patch ID	Synopsis
JDK-8266288	assert root method not found in witnessed_reabstraction_in_supers is too strong
JDK-8266281	Assign Symbols to the package selector expression
JDK-8266269	Lookup::accessClass fails with IAE when accessing an arrayClass with a protected inner class as component class
JDK-8266257	Fix foreign linker build issues for ppc and s390
JDK-8266256	compiler.vectorization.TestBufferVectorization does testing twice
JDK-8266255	compiler/eliminateAutobox/TestEliminateBoxInDebugInfo.java uses wrong package name
JDK-8266254	Update to use jtreg 6
JDK-8266252	Streamline AbstractInterpreter::method_kind
JDK-8266251	compiler.inlining.InlineAccessors shouldn't do testing in driver VM
JDK-8266249	javax/swing/JPopupMenu/7156657/bug7156657.java fails on macOS
JDK-8266248	Compilation failure in PLATFORM_API_MacOSX_MidiUtils.c with Xcode 12.5
JDK-8266227	Fix help text for --mac-signing-keychain
JDK-8266225	jarsigner is using incorrect security property to show weakness of certs
JDK-8266222	[aix] In mmap-mode, partial releases with os::release_memory may trash internal bookkeeping
JDK-8266220	keytool still prompt for store password on a password-less pkcs12 file if -storetype pkcs12 is specified
JDK-8266217	ZGC: Improve the -Xlog:gc+init output for NUMA
JDK-8266206	Build failure after JDK-8264752 with older GCCs
JDK-8266193	BasicJMapTest does not include testHistoParallel methods
JDK-8266189	Remove C1 "IfInstanceOf" instruction
JDK-8266187	Memory leak in appendBootClassPath()

OpenJDK Patch ID	Synopsis
JDK-8266185	Shenandoah: Fix incorrect comment/assertion messages
JDK-8266184	a few compiler/debug tests don't check exit code
JDK-8266181	compiler/eliminateAutobox/TestEliminateBoxInDebugInfo should be in driver mode
JDK-8266180	compiler/vectorapi/TestVectorErgonomics should be run in driver mode
JDK-8266179	[macos] jpackage should specify architecture for produced pkg files
JDK-8266175	mark hotspot compiler/jsr292 tests which ignore VM flags
JDK-8266172	-Wstringop-overflow happens in vmError.cpp
JDK-8266171	-Warray-bounds happens in imageioJPEG.c
JDK-8266169	mark hotspot compiler/jvmci tests which ignore VM flags
JDK-8266168	-Wmaybe-uninitialized happens in check_code.c
JDK-8266167	Clean up GCC 11 warnings
JDK-8266166	mark hotspot compiler/linkage tests which ignore VM flags
JDK-8266165	TestNoWarningLoopStripMiningIterSet is runnable only on VM w/ G1, Shenandoah, Z and Epsilon
JDK-8266164	mark hotspot compiler/loopstripmining tests which ignore VM flags
JDK-8266162	Remove JPackage duplicate tests
JDK-8266161	mark hotspot compiler/rtm tests which ignore VM flags
JDK-8266159	macOS ARM + Metal pipeline shows artifacts on Swing Menu with Java L&F
JDK-8266154	mark hotspot compiler/oracle tests which ignore VM flags
JDK-8266153	mark hotspot compiler/onSpinWait tests which ignore VM flags
JDK-8266150	mark hotspot compiler/arguments tests which ignore VM flags
JDK-8266149	mark hotspot compiler/startup tests which ignore VM flags
JDK-8266130	convert Thread-SMR stress tests from counter based to time based
JDK-8266129	tools/jpackage/windows/WinInstallerIconTest.java hangs with fastdebug

OpenJDK Patch ID	Synopsis
JDK-8266088	compiler/arguments/TestPrintOptoAssemblyLineNumbers test should use driver mode
JDK-8266083	Shenandoah: Consolidate dedup/no dedup oop closures
JDK-8266074	Vtable-based CHA implementation
JDK-8266073	Regression ~2% in Derby after 8261804
JDK-8266060	update ProblemList-UT.txt for investigate-UT bug state as of 2021.04.27
JDK-8266044	Nested class summary should show kind of class or interface
JDK-8266038	Move newAddress() to JVMDebugger
JDK-8266036	class file for sun.misc.Contended not found
JDK-8266028	C2 computes -0.0 for Math.pow(-0.0, 0.5)
JDK-8266022	Update jdk.certpath.disabledAlgorithms and jdk.jar.disabledAlgorithms in the JSSE Reference Guide
JDK-8266019	StreamResult(File) writes to incorrect file path if # is part of the file path
JDK-8266018	Shenandoah: fix an incorrect assert
JDK-8266017	Refactor the *klass::array_class_impl code to separate the non-exception-throwing API
JDK-8266015	Implement AdapterHandlerLibrary lookup fast-path for common adapters
JDK-8266014	Regression brought by optimization done with JDK-4926314
JDK-8266003	ProblemList sanity/client/SwingSet/src/ButtonDemoScreenshotTest.java on macosx-all
JDK-8266002	vmTestbase/nsk/jvmti/ClassPrepare/classprep001 should skip events for unexpected classes
JDK-8265995	Shenandoah: Move ShenandoahInitMarkRootsClosure close to its use
JDK-8265989	System property for the native character encoding name
JDK-8265984	Concurrent GC: Some tests fail "assert(is_frame_safe(f)) failed: Frame must be safe"

OpenJDK Patch ID	Synopsis
JDK-8265982	JDK-8264188 breaks build on macOS-aarch64
JDK-8265980	Fix systemDictionary and loaderConstraints printing
JDK-8265972	Remove declarations with no implementations in javaClasses.hpp
JDK-8265967	Unused NullCheckNode forward declaration in node.hpp
JDK-8265961	Fix comments in logging.properties
JDK-8265956	JVM crashes when matching LShiftVB Node
JDK-8265938	C2's conditional move optimization does not handle top Phi
JDK-8265934	Cleanup _suspend_flags and _special_runtime_exit_condition
JDK-8265932	Move safepoint related fields from class Thread to JavaThread
JDK-8265928	G1: Update copyright in several files
JDK-8265918	java/io/Console/CharsetTest.java failed with "expect: spawn id exp6 not open"
JDK-8265917	Different values computed by C2 and interpreter/C1 for Math.pow(x, 2.0) on x86_32
JDK-8265915	adjust state_unloading_cycle computation order in nmethod::is_unloading
JDK-8265914	Duplicated NotANode and not_a_node
JDK-8265911	assert(comp != __null) failed: Compiler instance missing
JDK-8265907	JVM crashes when matching VectorMaskCmp Node
JDK-8265901	Use pattern matching for instanceof at module jdk.compiler(part 3)
JDK-8265900	Use pattern matching for instanceof at module jdk.compiler(part 2)
JDK-8265899	Use pattern matching for instanceof at module jdk.compiler(part 1)
JDK-8265890	ProblemList sun/security/ssl/SSLSocketImpl/SSLSocketImplThrowsWrongExceptions.java on macOS-X64 and Linux-aarch64
JDK-8265884	ProblemList compiler/codecache/jmx/PoolsIndependenceTest.java on macOS-X64

OpenJDK Patch ID	Synopsis
JDK-8265880	ProblemList serviceability/dcmd/gc/RunFinalizationTest.java on Linux-X64
JDK-8265842	G1: Introduce API to run multiple separate tasks in a single gangtask
JDK-8265836	OperatingSystemImpl.getCpuLoad() returns incorrect CPU load inside a container
JDK-8265831	8257831 broke Windows x86 build
JDK-8265827	Use pattern matching for instanceof at module jdk.compiler
JDK-8265816	Handle new VectorMaskCast node for x86
JDK-8265798	Minimal build broken by JDK-8261090
JDK-8265794	Remove ProblemList-non-cds-mode
JDK-8265793	Remove duplicate jtreg TEST.groups references for some client tests
JDK-8265786	ProblemList serviceability/sa/sadebugd/DisableRegistryTest.java on ZGC
JDK-8265784	[C2] Hoisting of DecodeN leaves MachTemp inputs behind
JDK-8265783	Create a separate library for x86 Intel SVML assembly intrinsics
JDK-8265782	Bump bootjdk to jdk-17+19 on macosx-aarch64 at Oracle
JDK-8265773	incorrect jdeps message "jdk8internals" to describe a removed JDK internal API
JDK-8265767	compiler/eliminateAutobox/TestIntBoxing.java crashes on arm32 after 8264649 in debug VMs
JDK-8265761	Font with missed font family name is not properly printed on Windows
JDK-8265759	Shenandoah: Avoid race for referent in assert
JDK-8265757	stack-use-after-scope in perfMemory_posix.cpp get_user_name_slow()
JDK-8265756	AArch64: initialize memory allocated for locals according to Windows AArch64 stack page growth requirement in template interpreter
JDK-8265753	Remove manual JavaThread transitions to blocked
JDK-8265746	Update java.time to use instanceof pattern variable (part II)

OpenJDK Patch ID	Synopsis
JDK-8265717	Update Java Virtual Machine Guide about CDS support for ZGC
JDK-8265711	C1: Intrinsicify Class.getModifier method
JDK-8265705	aarch64: KlassDecodeMovk mode broken
JDK-8265702	ZGC on macOS/aarch64
JDK-8265700	Regularize throws clauses in BigDecimal
JDK-8265699	(bf) Scopes passed to ScopedMemoryAccess.copy[Swap]Memory in incorrect order
JDK-8265696	Move CDS sources to src/hotspot/shared/cds
JDK-8265694	Investigate test StressHiddenClasses.java
JDK-8265690	Use the latest Ubuntu base image version in Docker testing
JDK-8265689	JVMCI: InternalError: Class java.lang.Object does not implement interface jdk.vm.ci.meta.JavaType
JDK-8265684	implement Sealed Classes as a standard feature in Java, javadoc changes
JDK-8265683	vmTestbase/nsk/jdb tests failed with "JDWP exit error AGENT_ERROR_INTERNAL(181)"
JDK-8265682	G1: Mutex::_name dangling in HeapRegionRemSet references after JDK-8264146
JDK-8265681	G1: general cleanup for G1FullGCHeapRegionAttr
JDK-8265678	Test java/awt/Focus/ActualFocusedWindowTest/ActualFocusedWindowBlockingTest.java fails intermittently on windows
JDK-8265666	Enable AIX build platform to make external debug symbols
JDK-8265613	False positives for "Related Packages"
JDK-8265612	revise the help info for jmap histo command
JDK-8265607	Avoid decrementing when no Symbol was created in ~SignatureStream
JDK-8265606	Reduce allocations in AdapterHandlerLibrary::get_adapter

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JDK-8265605	Cannot call BootLoader::loadClassOrNull before initPhase2
JDK-8265591	Remove vestiges of intermediate JSR 175 annotation format
JDK-8265587	IGV: track nodes across matching
JDK-8265531	doc/building.md should mention homebrew install freetype
JDK-8265528	Specification of BasicSplitPaneDivider::getMinimumSize,getPreferredSize doesn't match with its behavior.
JDK-8265505	findsym does not work on remote debug server
JDK-8265500	Some impls of javax.crypto.Cipher.init() do not throw UnsupportedOperationException for unsupported modes
JDK-8265496	Improve null check in DeflaterOutputStream/InflaterInputStream
JDK-8265491	Math Signum optimization for x86
JDK-8265490	Unterminated string passed to FindClass() in hotspot test
JDK-8265486	ProblemList javax/sound/midi/Sequencer/Recording.java on macosx-aarch64
JDK-8265484	Fix up TRAPS usage in GenerateOopMap::compute_map and callers
JDK-8265483	All-caps "JAVA" in the top navigation bar
JDK-8265480	add basic JVMCI support for JEP 309: Dynamic Class-File Constants
JDK-8265465	jcmm VM.cds should keep already dumped archive when exception happens
JDK-8265464	ProblemList vmTestbase/vm/mlvm/meth/stress/compiler/deoptimize/Test.java#id1 in -Xcomp configs
JDK-8265463	ProblemList vmTestbase/vm/mlvm/mixed/stress/regression/b6969574/INDIFY_Test. java on Win-X64 -Xcomp
JDK-8265462	Handle multiple slots in the NSS Internal Module from SunPKCS11's Secmod

OpenJDK Patch ID	Synopsis
JDK-8265461	G1: Forwarding pointer removal thread sizing
JDK-8265453	SafepointMechanism::should_process() should receive JavaThread*
JDK-8265450	Merge PreservedMarksSet::restore code paths
JDK-8265448	(zipfs): Reduce read contention in ZipFileSystem
JDK-8265444	Javadocs: jdk.jshell - small typo
JDK-8265440	IGV: make node selection more visible
JDK-8265436	G1: Improve gc+phases log output during full gc
JDK-8265435	Remove dummy lists in G1CalculatePointersClosure
JDK-8265431	Add -fno-delete-null-pointer-checks to clang builds
JDK-8265426	Update java.security to use instanceof pattern variable
JDK-8265421	java/lang/String/StringRepeat.java test is missing a memory requirement
JDK-8265418	Clean-up redundant null-checks of Class.getPackageName()
JDK-8265414	Variable assigned but not used in G1FreeHumongousRegionClosure
JDK-8265411	Avoid unnecessary Method::init_intrinsic_id calls
JDK-8265407	JFR: Fix Typos
JDK-8265403	consolidate definition of CPU features
JDK-8265394	G1: Improve assert in HeapRegion::reset_not_compacted_after_full_gc
JDK-8265393	VM crashes if both -XX:+RecordDynamicDumpInfo and -XX:SharedArchiveFile options are specified
JDK-8265381	ProblemList runtime/logging/RedefineClasses.java on macos-x64 -Xcomp
JDK-8265375	Bootcycle builds fail with StackOverflowError in cldrconverter
JDK-8265373	Change to GCC 10.3 for building on Linux at Oracle
JDK-8265371	Change to Visual Studio 2019 16.9.3 for building on Windows at Oracle
JDK-8265370	ProblemList java/net/MulticastSocket/Promiscuous.java on macos-aarch64

OpenJDK Patch ID	Synopsis
JDK-8265369	[macos-aarch64] java/net/MulticastSocket/Promiscuous.java failed with "SocketException: Cannot allocate memory"
JDK-8265368	ProblemList 3 java/net/httpclient/websocket tests on macos-aarch64
JDK-8265367	[macos-aarch64] 3 java/net/httpclient/websocket tests fail with "IOException: No buffer space available"
JDK-8265363	ProblemList java/net/Socket/UdpSocket.java on macos-aarch64
JDK-8265362	java/net/Socket/UdpSocket.java fails with "java.net.BindException: Address already in use" (macos-aarch64)
JDK-8265361	ProblemList a few compiler/whitebox tests on macos-aarch64
JDK-8265358	ProblemList jdk/jshell/ToolBasicTest.java on macOS-aarch64
JDK-8265349	vmTestbase/.../stress/compiler/deoptimize/Test.java fails with OOME due to CodeCache exhaustion.
JDK-8265343	Update Debian-based cross-compilation recipes
JDK-8265335	Epsilon: Minor typo in EpsilonElasticTLABDecay description
JDK-8265332	gtest/LargePageGtests.java OOMes on -XX:+UseSHM cases
JDK-8265330	G1: Fix comment in G1FullGCPrepareTask::G1CalculatePointersClosure
JDK-8265327	Remove check_safepoint_and_suspend_for_native_trans()
JDK-8265326	Strange Characters in G1GC GC Log
JDK-8265325	Optimize StubRoutines::dpow() for Math.pow(x, 0.5)
JDK-8265323	Leftover local variables in PcDesc
JDK-8265322	C2: Simplify control inputs for BarrierSetC2::obj_allocate
JDK-8265319	implement Sealed Classes as a standard feature in Java, javax.lang.model changes
JDK-8265313	Obsolete the unused AssertOnSuspendWaitFailure and TraceSuspendWaitFailures flags
JDK-8265309	com/sun/jndi/dns/ConfigTests/Timeout.java fails with "Address already in use" BindException

OpenJDK Patch ID	Synopsis
JDK-8265308	Release Note: Support for CLDR Version 39
JDK-8265304	Temporarily make Metal the default 2D rendering pipeline for macOS
JDK-8265302	ProblemList runtime/logging/RedefineClasses.java on linux-x64 -Xcomp
JDK-8265298	Hard VM crash when deadlock between "access" and higher ranked lock is detected
JDK-8265297	javax/net/ssl/SSLSession/TestEnabledProtocols.java failed with "RuntimeException: java.net.SocketException: Connection reset"
JDK-8265293	ProblemList java/foreign/TestDowncall.java on macosx-aarch64
JDK-8265292	[macos_aarch64] java/foreign/TestDowncall.java crashes with SIGBUS
JDK-8265291	Error in Javadoc for doAccessibleAction API in AccessibleJSlider class
JDK-8265285	Unnecessary inclusion of bytecodeHistogram.hpp
JDK-8265279	Remove unused RandomGeneratorFactory.all(Class<T> category)
JDK-8265278	doc build fails after JDK-8262981
JDK-8265271	JFR: Allow use of .jfc options when starting JFR
JDK-8265270	Type.getEnclosingType() may fail with CompletionFailure
JDK-8265268	Unify ReservedSpace reservation code in initialize and try_reserve_heap
JDK-8265262	CITime - 'other' incorrectly calculated
JDK-8265259	G1: Fix HeapRegion::block_is_obj for unloading class in full gc
JDK-8265248	Implementation Specific Properties: change prefix, plus add existing properties
JDK-8265246	Fix macos-Aarch64 build after JDK-8263709
JDK-8265245	depChecker_<cpu> don't have any functionalities
JDK-8265240	runtime/Thread/SuspendAtExit.java needs updating
JDK-8265239	Shenandoah: Shenandoah heap region count could be off by 1
JDK-8265237	String.join and StringJoiner can be improved further
JDK-8265236	ProblemList java/foreign/TestUpcall.java on macosx-aarch64

OpenJDK Patch ID	Synopsis
JDK-8265235	ProblemList java/foreign/TestIntrinsics.java on macosx-aarch64
JDK-8265231	(fc) ReadDirect and WriteDirect tests fail after fix for JDK-8264821
JDK-8265227	Move Proc.java from security/testlibrary to test/lib
JDK-8265226	(dc) API note in DatagramChannel.open should link to StandardProtocolFamily.UNIX
JDK-8265225	jdk/jfr/tool/TestConfigure.java fails to cleanup the output files after the testing
JDK-8265218	trace_method_handle_stub fails to find calling frame on x86
JDK-8265208	[JEP-356] : SplittableRandom and SplittableGenerators - splits() methods does not throw NullPointerException when source is null
JDK-8265192	[macos_aarch64] configure script fails if GNU uname in PATH
JDK-8265183	[macos_aarch64] java/foreign/TestIntrinsics.java crashes with SIGBUS
JDK-8265182	[macos_aarch64] java/foreign/TestUpcall.java crashes with SIGBUS
JDK-8265180	JvmtiCompiledMethodLoadEvent should include the stub section of nmethods
JDK-8265175	(fs) Files.copy(Path,Path,CopyOption...) should use sendfile on Linux
JDK-8265174	Update Class.getDeclaredMethods to discuss synthetic and bridge methods
JDK-8265173	[test] divert spurious log output away from stream under test in ProcessBuilder Basic test
JDK-8265154	inserti128 operand mix up for KNL platforms
JDK-8265153	add time based test for ThreadMXBean.getThreadInfo() and ThreadInfo.getLockOwnerName()
JDK-8265152	jpackage cleanup fails on Windows with IOException deleting msi
JDK-8265148	StackWatermarkSet being updated during AsyncGetCallTrace
JDK-8265138	Simplify DerUtils::checkAlg
JDK-8265137	java.util.Random suddenly has new public methods nowhere documented

OpenJDK Patch ID	Synopsis
JDK-8265136	ZGC: Expose GarbageCollectorMXBeans for both pauses and cycles
JDK-8265135	Reduce work initializing VarForms
JDK-8265132	C2 compilation fails with assert "missing precedence edge"
JDK-8265130	Make ConstantDesc class hierarchy sealed
JDK-8265129	Add intrinsic support for JVM.getClassId
JDK-8265128	[REDO] Optimize Vector API slice and unslice operations
JDK-8265127	ZGC: Fix incorrect reporting of reclaimed memory
JDK-8265126	[REDO] unified handling for VectorMask object re-materialization during de-optimization
JDK-8265125	IGV: cannot edit forms with NetBeans GUI builder
JDK-8265123	Add static factory methods to com.sun.net.httpserver.Filter
JDK-8265120	hs_err improvement: align the output of Virtual space metadata
JDK-8265119	G1: update_remsort_before_rebuild mixes liveness in words with liveness in bytes
JDK-8265116	ZGC: Steal local stacks instead of flushing them
JDK-8265113	ProblemList gtest/GTestWrapper.java:os.release_multi_mappings on macosx-aarch64
JDK-8265112	ProblemList some java/foreign tests on macosx-aarch64
JDK-8265111	ProblemList java/util/concurrent/locks/Lock/TimedAcquireLeak.java on macosx-aarch64
JDK-8265110	ProblemList compiler/jvmci/jdk.vm.ci.code.test/src/jdk/vm/ci/code/test/NativeCallTest.java on macosx-aarch64
JDK-8265106	IGV: Enforce en-US locale while parsing ideal graph
JDK-8265105	gc/arguments/TestSelectDefaultGC.java fails when compiler1 is disabled
JDK-8265104	CpuLoad and SystemCpuLoad in OperatingSystem MXBean returns -1.0

OpenJDK Patch ID	Synopsis
JDK-8265103	Remove unnecessary inclusion of oopMap.hpp
JDK-8265101	Remove unnecessary functions in os*.inline.hpp
JDK-8265100	(fs) WindowsFileStore.hashCode() should read cached hash code once
JDK-8265084	[BACKOUT] 8264954: unified handling for VectorMask object re-materialization during de-optimization
JDK-8265082	test/hotspot/jtreg/gc/g1/TestG1SkipCompaction.java fails validate-source
JDK-8265079	Implement VarHandle invoker caching
JDK-8265078	jpackage tests on Windows leave large temp files
JDK-8265073	XML transformation and indentation when using xml:space
JDK-8265066	Split ReservedSpace constructor to avoid default parameter
JDK-8265064	Move clearing and setting of members into helpers in ReservedSpace
JDK-8265062	Remove duplication constant MaxTextureSize
JDK-8265061	Simplify MethodHandleNatives::canBeCalledVirtual
JDK-8265052	Break circular include dependency in objArrayOop.inline.hpp
JDK-8265047	Inconsistent warning message in jcmd VM.log
JDK-8265042	javadoc HTML files not generated for types nested in records
JDK-8265036	JFR: Remove use of -XX:StartFlightRecording= and -XX:FlightRecorderOptions=
JDK-8265035	Remove unneeded exception check from refill_ic_stubs()
JDK-8265029	Preserve SIZED characteristics on slice operations (skip, limit)
JDK-8265028	JDWP debug agent thread lookup can be made faster
JDK-8265020	tests must be updated for new TestNG module name
JDK-8265019	Update tests for additional TestNG test permissions
JDK-8265018	(fs) Build issue with FileDispatcherImpl.c:31:10: fatal error: 'sys/mount.h' file not found (aix)

OpenJDK Patch ID	Synopsis
JDK-8265017	runtime/HiddenClasses/StressHiddenClasses.java timed out on Win* OCI
JDK-8265012	Shenandoah: Backout JDK-8264718
JDK-8265006	Update SunPKCS11 provider guide with ChaCha20-Poly1305 cipher and ChaCha20 key gen
JDK-8265005	Introduce the new client property for mac: apple.awt.windowTitleVisible
JDK-8264997	Remove SystemDictionary::cache_get
JDK-8264987	G1: Fill BOTs for Survivor-turned-to-Old regions in full gc
JDK-8264983	Add gtest for JDK-8264008
JDK-8264976	Minor numeric bug in AbstractSplittableWithBrineGenerator.makeSplitsSpliterator
JDK-8264975	java/net/DatagramSocket/DatagramSocketMulticasting.java fails infrequently
JDK-8264973	AArch64: Optimize vector max/min/add reduction of two integers with NEON pairwise instructions
JDK-8264972	Unused TypeFunc declared in OptoRuntime
JDK-8264958	C2 compilation fails with assert "n is later than its clone"
JDK-8264957	Cleanup unused array Type::dual_type
JDK-8264956	Document new options in keytool -genkeypair to sign and generate the certificate
JDK-8264954	unified handling for VectorMask object re-materialization during de-optimization
JDK-8264950	Set opaque for JToolTip in config file of NimbusLookAndFeel
JDK-8264948	Check for TLS extensions total length
JDK-8264945	Optimize the code-gen for Math.pow(x, 0.5)
JDK-8264940	java/lang/invoke/6998541/Test6998541.java failed "guarantee(ik.is_initialized()) failed: java/lang/Byte\$ByteCache must be initialized"

OpenJDK Patch ID	Synopsis
JDK-8264923	PNGImageWriter.write_zTXt throws Exception with a typo
JDK-8264918	[JVMCI] getVtableIndexForInterfaceMethod doesn't check that type and method are related
JDK-8264885	Fix the code style of macro in aarch64_neon_ad.m4
JDK-8264881	Remove the old development option MemProfiling
JDK-8264874	Build interim-langtools for HotSpot only if Graal is enabled
JDK-8264873	Dependencies: Split ClassHierarchyWalker
JDK-8264872	Dependencies: Migrate to PerfData counters
JDK-8264871	Dependencies: Miscellaneous cleanups in dependencies.cpp
JDK-8264868	Reduce inclusion of registerMap.hpp and register.hpp
JDK-8264866	Remove unneeded WorkArounds.isAutomaticModule
JDK-8264864	Multiple byte tag not supported by ASN.1 encoding
JDK-8264863	Update Jcov version to support JDK 17
JDK-8264859	Implement Context-Specific Deserialization Filters
JDK-8264848	[macos] libjvm.dylib linker warning due to macOS version mismatch
JDK-8264846	Regression ~5% in J2dBench.bimg_misc on Linux after JDK-8263142
JDK-8264843	Javac crashes with NullPointerException when finding unencoded XML in <pre> tag
JDK-8264842	IGV: different nodes sharing idx are treated as equal
JDK-8264827	Large mapped buffer/segment crash the VM when calling isLoaded
JDK-8264824	java/net/Inet6Address/B6206527.java doesn't close ServerSocket properly
JDK-8264821	DirectIOtest fails on a system with large block size
JDK-8264818	G1: Improve liveness check for empty pinned regions after full gc marking
JDK-8264809	test-lib fails to build due to some warnings in ASN1Formatter and jfr
JDK-8264806	Remove the experimental JIT compiler

OpenJDK Patch ID	Synopsis
JDK-8264805	Remove the experimental Ahead-of-Time Compiler
JDK-8264800	cleanup Threads_lock comments in JVM/TI function headers
JDK-8264797	Do not include klassVtable.hpp from instanceKlass.hpp
JDK-8264795	IGV: Upgrade NetBeans platform
JDK-8264791	java/util/Random/RandomTestBsi1999.java failed "java.security.SecureRandom nextFloat consecutive"
JDK-8264788	Make SequentialSubTasksDone use-once
JDK-8264786	[macOS] All Swing/AWT apps cause Allow Notifications prompt to appear when app is launched
JDK-8264783	G1 BOT verification should not verify beyond allocation threshold
JDK-8264779	Fix doclint warnings in java/nio
JDK-8264777	Overload optimized FileInputStream::readAllBytes
JDK-8264775	ClhsdbFindPC still fails with java.lang.RuntimeException: 'In java stack' missing from stdout/stderr
JDK-8264774	Implementation of Foreign Function and Memory API (Incubator)
JDK-8264768	JFR: Allow events to be printed to the log
JDK-8264766	ClassCastException during template compilation (Variable cannot be cast to Param)
JDK-8264765	BreakIterator sees bogus sentence boundary in parenthesized "i.e." phrase
JDK-8264760	JVM crashes when two threads encounter the same resolution error
JDK-8264759	x86_32 Minimal VM build failure after JDK-8262355
JDK-8264752	SIGFPE crash with option FlightRecorderOptions:threadbuffersize=30M
JDK-8264748	Do not include arguments.hpp from compilerDefinitions.hpp
JDK-8264742	member variable _monitor of MonitorLocker is redundant
JDK-8264734	Some SA classes could use better hashCode() implementation

OpenJDK Patch ID	Synopsis
JDK-8264732	Clean up LinkResolver::vtable_index_of_interface_method()
JDK-8264731	Introduce InstanceKlass::method_at_itable_or_null()
JDK-8264730	Document java-options limitations
JDK-8264729	Random check-in failing header checks.
JDK-8264727	Shenandoah: Remove extraneous whitespace from phase timings report
JDK-8264718	Shenandoah: enable string deduplication during root scanning
JDK-8264711	More runtime TRAPS cleanups
JDK-8264696	Multi-catch clause causes compiler exception because it uses the package-private supertype
JDK-8264686	ClhsdbTestConnectArgument.java should use SATestUtils::validateSADebugDPrivileges
JDK-8264681	Use the blessed modifier order in java.security
JDK-8264680	Use the blessed modifier order in java.desktop
JDK-8264672	runtime/ParallelLoad/ParallelSuperTest.java timed out
JDK-8264664	use text blocks in javac module tests
JDK-8264663	Update test SuspendWithCurrentThread.java to verify that suspend doesn't exit until resumed
JDK-8264662	ProblemList vmTestbase/jit/escape/AdaptiveBlocking/AdaptiveBlocking001/AdaptiveBlocking001.java on win-x64 with ZGC
JDK-8264658	ProblemList javaw/swing/JInternalFrame/8146321/JInternalFrameIconTest.java on linux-x64
JDK-8264657	ProblemList java/awt/Focus/FrameMinimizeTest/FrameMinimizeTest.java on linux-x64

OpenJDK Patch ID	Synopsis
JDK-8264656	ProblemList sun/security/ssl/SSLSocketImpl/SSLSocketImplThrowsWrongExceptions.java on linux-x64
JDK-8264655	Minor internal doc comment cleanup
JDK-8264650	Cross-compilation to macos/aarch64
JDK-8264649	runtime/InternalApi/ThreadCpuTimesDeadlock.java crash in fastdebug C2 with -XX:-UseTLAB
JDK-8264644	Add PrintClassLoaderDataGraphAtExit to print the detailed CLD graph
JDK-8264634	CollectCLDClosure collects duplicated CLDs when dumping dynamic archive
JDK-8264633	Add missing logging to PlatformRecording#stop
JDK-8264626	C1 should be able to inline excluded methods
JDK-8264624	change the guarantee() calls added by JDK-8264123 to assert() calls
JDK-8264623	Change to Xcode 12.4 for building on MacOS at Oracle
JDK-8264609	Number.{byteValue, shortValue} spec should use @implSpec
JDK-8264606	More comment for ECDH public key validation
JDK-8264593	debug.cpp utilities should be available in product builds.
JDK-8264572	ForkJoinPool.getCommonPoolParallelism() reports always 1
JDK-8264569	Remove obsolete error messages from CDSTestUtils.java
JDK-8264565	Templatize num_arguments() functions of DCmd subclasses
JDK-8264564	AArch64: use MOVI instead of FMOV to zero FP register
JDK-8264561	javap get NegativeArraySizeException on bad instruction
JDK-8264557	Incorrect copyright year for test/micro/org/openjdk/bench/java/lang/MathBench.java after JDK-8264054
JDK-8264554	X509KeyManagerImpl calls getProtectionParameter with incorrect alias

OpenJDK Patch ID	Synopsis
JDK-8264551	Unexpected warning when jpackage creates an exe
JDK-8264548	Dependencies: ClassHierarchyWalker::is_witness() cleanups
JDK-8264546	Dependencies: Context class is always an InstanceClass
JDK-8264544	Case-insensitive comparison issue with supplementary characters.
JDK-8264540	WhiteBox.metaspaceReserveAlignment should return shared region alignment
JDK-8264539	Improve failure message of java/nio/file/WatchService/SensitivityModifier.java
JDK-8264538	Rename SystemDictionary::parse_stream
JDK-8264526	javax/swing/text/html/parser/Parser/8078268/bug8078268.java timeout
JDK-8264524	jdk/internal/platform/docker/TestDockerMemoryMetrics.java fails due to swapping not working
JDK-8264514	HexFormat implementation tweaks
JDK-8264513	Cleanup CardTableBarrierSetC2::post_barrier
JDK-8264512	jdk/test/jdk/java/util/prefs/ExportNode.java relies on default platform encoding
JDK-8264502	(fc) FileDispatcherImpl.setDirect0 might return uninitialized variable on some platforms
JDK-8264489	Add more logging to LargeCopyWithMark.java
JDK-8264484	Replace uses of StringBuffer with StringBuilder in jdk.hotspot.agent
JDK-8264480	Unreachable code in nmethod.cpp inside #ifdef DEBUG
JDK-8264475	CopyArea ignores clip state in metal rendering pipeline
JDK-8264466	Cut-paste error in InterfaceCalls JMH
JDK-8264454	Jaxp unit test from open jdk needs to be improved
JDK-8264429	Test runtime/cds/appcads/VerifyWithDefaultArchive.java assumes OpenJDK build

OpenJDK Patch ID	Synopsis
JDK-8264428	Cleanup usages of StringBuffer in java.desktop
JDK-8264424	Support OopStorage bulk allocation
JDK-8264423	G1: Rename full gc attribute table states
JDK-8264417	ParallelCompactData::region_offset should not accept pointers outside the current region
JDK-8264413	Data is written to file header even if its CRC32 was calculated
JDK-8264412	AArch64: CPU description should refer DMI
JDK-8264411	serviceability/jvmti/HeapMonitor tests intermittently fail due to large TLAB size
JDK-8264409	AArch64: generate better code for Vector API allTrue
JDK-8264408	test_oopStorage no longer needs to disable some tests on WIN32
JDK-8264403	[macos]: App names containing '.' characters results in an error message when launching
JDK-8264400	(fs) WindowsFileStore equality depends on how the FileStore was constructed
JDK-8264398	BevelBorderUIResource(int, Color, Color) and BevelBoder(int, Color, Color) spec should clarify about usage of highlight and shadow color
JDK-8264396	Use the blessed modifier order in jdk.internal.jvmstat
JDK-8264395	WB_EnqueueInitializerForCompilation fails with "method holder must be initialized" when called for uninitialized class
JDK-8264393	JDK-8258284 introduced dangling TLH race
JDK-8264374	Shenandoah: Remove leftover parallel reference processing argument
JDK-8264373	javac hangs when annotation is declared with sealed public modifier
JDK-8264372	Threads::destroy_vm only ever returns true
JDK-8264360	Loop strip mining verification fails with "should be on the backedge"
JDK-8264359	Compiler directives should enable DebugNonSafepoints when PrintAssembly is requested

OpenJDK Patch ID	Synopsis
JDK-8264358	Don't create invalid oop in method handle tracing
JDK-8264352	AArch64: Optimize vector "not/andNot" for NEON and SVE
JDK-8264346	nullptr_t undefined in global namespace for clang+libstdc++
JDK-8264344	Outdated links in JavaComponentAccessibility.m
JDK-8264337	VM crashed when -XX:+VerifySharedSpaces
JDK-8264334	Use the blessed modifier order in jdk.jpackage
JDK-8264333	Use the blessed modifier order in jdk.jshell
JDK-8264332	Use the blessed modifier order in jdk.charsets
JDK-8264331	Use the blessed modifier order in jdk.compiler
JDK-8264329	Z cannot be 1 for Diffie-Hellman key agreement
JDK-8264328	Broken license in javax/swing/JComboBox/8072767/bug8072767.java
JDK-8264326	Modernize javax.script.ScriptEngineManager and related classes' implementation
JDK-8264324	Simplify allocation list management in OopStorage::reduce_deferred_updates
JDK-8264320	ShouldNotReachHere in Compile::print_inlining_move_to()
JDK-8264318	Lanai: DrawHugeImageTest.java fails on apple M1
JDK-8264317	Lanai: IncorrectUnmanagedImageRotatedClip.java fails on apple M1
JDK-8264309	JFR: Improve .jfc parser
JDK-8264306	Non deterministic generation of java/lang/invoke/MemberName.class
JDK-8264305	Create implementation for native accessibility peer for StatusBar java role
JDK-8264304	Create implementation for NSAccessibilityToolbar protocol peer
JDK-8264302	Create implementation for Accessibility native peer for Splitpane java role
JDK-8264299	Create implementation of native accessibility peer for ScrollPane and ScrollBar Java Accessibility roles

OpenJDK Patch ID	Synopsis
JDK-8264290	Create implementation for NSAccessibilityComponentGroup protocol peer
JDK-8264288	Performance issue with MethodHandle.asCollector
JDK-8264285	Clean the modification of ccstr JVM flags
JDK-8264279	Shenandoah: Missing handshake after JDK-8263427
JDK-8264277	java.xml.crypto module should be granted FilePermission and SocketPermission
JDK-8264273	macOS: zero VM is broken due to no member named 'is_cpu_emulated' after JDK-8261966
JDK-8264271	Avoid creating non_oop_word oops
JDK-8264268	Don't use oop types for derived pointers
JDK-8264258	Unknown lookups in the java package give misleading compilation errors
JDK-8264240	[macos_aarch64] enable appcds support after JDK-8263002
JDK-8264224	Add macosx-aarch64 to Oracle build configurations
JDK-8264223	CodeHeap::verify fails extra_hops assertion in fastdebug test
JDK-8264222	Use switch expression in jshell where possible
JDK-8264221	Rewrite confusing stream API chain in SnippetMaps
JDK-8264220	jdk/javadoc/doclet/testRelatedPackages/TestRelatedPackages.java fails to compile
JDK-8264218	Public method javax.swing.JMenu.setComponentOrientation() has no spec
JDK-8264208	Console charset API
JDK-8264204	Clarify note in section "Resuming Session Without Server-Side State" in JSSE Reference Guide
JDK-8264200	java/nio/channels/DatagramChannel/SRTTest.java fails intermittently
JDK-8264196	Change link_and_cleanup_shared_classes(CATCH) to CHECK

OpenJDK Patch ID	Synopsis
JDK-8264193	Remove TRAPS parameters for modules and defaultmethods
JDK-8264191	Javadoc search is broken in Internet Explorer
JDK-8264190	Harden TLS interop tests
JDK-8264188	Improve handling of assembly files in the JDK
JDK-8264181	javadoc tool Incorrect error message about malformed link
JDK-8264179	[TESTBUG] Some compiler tests fail when running without C2
JDK-8264178	Unused method Threads::nmethods_do
JDK-8264173	[s390] Improve Hardware Feature Detection And Reporting
JDK-8264166	OopStorage should support specifying MEMFLAGS for allocations
JDK-8264165	jpackage BasicTest fails after JDK-8220266: Check help text contains platform specific parameters
JDK-8264161	BigDecimal#stripTrailingZeros can throw undocumented ArithmeticException
JDK-8264152	javax/net/ssl/DTLS/RespondToRetransmit.java timed out
JDK-8264151	ciMethod::ensure_method_data() should return false if loading resulted in empty state
JDK-8264150	CDS dumping code calls TRAPS functions in VM thread
JDK-8264149	BreakpointInfo::set allocates metaspace object in VM thread
JDK-8264148	Update spec for exceptions retrofitted for exception chaining
JDK-8264146	Make Mutex point to rather than embed _name
JDK-8264144	Add handling of "--about-url" CLI parameter for RPM/DEB packages
JDK-8264143	Lanai: RenderPerfTest.BgrSwBlitImage has artefacts on apple M1
JDK-8264142	Remove TRAPS/THREAD parameters for verifier related functions
JDK-8264141	Lanai: RenderPerfTest.ClipFlatOval has artefacts on apple M1
JDK-8264135	UnsafeGetStableArrayElement should account for different JIT implementation details

OpenJDK Patch ID	Synopsis
JDK-8264126	Remove TRAPS/THREAD parameter for class loading functions
JDK-8264124	Update MXBean specification and implementation to extend mapping of CompositeType to records
JDK-8264123	add ThreadsList.is_valid() support
JDK-8264117	[Test_Bug]: Manual test TestGASPHint.java need to be updated.
JDK-8264112	(fs) Reorder methods/constructor/fields in UnixUserDefinedFileAttributeView.java
JDK-8264111	(fs) Leaking NativeBuffers in case of errors during UnixUserDefinedFileAttributeView.read/write
JDK-8264109	Add vectorized implementation for VectorMask.andNot()
JDK-8264104	Eliminate unnecessary vector mask conversion during VectorUnbox for floating point VectorMask
JDK-8264096	slowdebug jvm crashes when StrInflatedCopy match rule is not supported
JDK-8264091	Use the blessed modifier order in java.logging
JDK-8264087	Use the blessed modifier order in jdk.jconsole
JDK-8264063	Outer Safepoint poll load should not reference the head of inner strip mined loop.
JDK-8264062	Use the blessed modifier order in jdk.jfr
JDK-8264057	[redo] JDK-8248904: Add support to jpackage for the Mac App Store.
JDK-8264055	backout JDK-8248904 in order to resubmit with additional attribution.
JDK-8264054	Bad XMM performance on java.lang.MathBench.sqrtDouble
JDK-8264052	Shenandoah: Backout 8263832
JDK-8264051	Remove unused TRAPS parameters from runtime functions
JDK-8264050	Remove unused field VM_HeapWalkOperation::_collecting_heap_roots
JDK-8264048	Fix caching in Jar URL connections when an entry is missing
JDK-8264047	Duplicate global variable 'jvm' in libjavajpeg and libawt

OpenJDK Patch ID	Synopsis
JDK-8264041	Incorrect comments for ParallelCompactData::summarize_dense_prefix
JDK-8264032	Improve thread safety of Runtime.version()
JDK-8264031	(zipfs) Typo in ZipFileSystem.deleteFile ZipException
JDK-8264029	Replace uses of StringBuffer with StringBuilder in java.base
JDK-8264028	Typo in javax.management.relation.RelationService::purgeRelations
JDK-8264027	Refactor "CLEANUP" region printing
JDK-8264026	Remove dependency between free collection set and eagerly reclaim humongous object tasks
JDK-8264020	Optimize double negation elimination
JDK-8264018	AArch64: NEON loadV2 and storeV2 addressing is wrong
JDK-8264017	Correctly report inlined frame in JFR sampling
JDK-8264016	[JVMCI] add some thread local fields for use by JVMCI
JDK-8264008	Incorrect metaspace statistics after JEP 387 when UseCompressedClassPointers is off
JDK-8264006	Fix AOT library loading on CPUs with 256-byte dcache line
JDK-8264004	Don't use TRAPS if no exceptions are thrown
JDK-8264002	Delete outdated assumptions about ColorSpace initialization
JDK-8264001	JFR: Modernize implementation
JDK-8263995	Incorrect double-checked locking in Types.arraySuperType()
JDK-8263992	Remove dead code NativeLookup::base_library_lookup
JDK-8263989	Cleanup in EA
JDK-8263985	BCEscapeAnalyzer::invoke checks target.is_loaded() twice
JDK-8263984	Invalidate printServices when there are no printers
JDK-8263981	java.awt.image.ComponentSampleModel equals/hashcode use numBands twice
JDK-8263979	Cleanup duplicate check in Unicode.contains

OpenJDK Patch ID	Synopsis
JDK-8263978	Clarify why 0 argument is ignored in SecureRandom::setSeed
JDK-8263977	GTK L&F: Cleanup duplicate checks in GTKStyle and GTKLookAndFeel
JDK-8263976	Remove block allocation from BasicHashtable
JDK-8263975	Update JDK 17 JavaDoc guide
JDK-8263974	Move SystemDictionary::verify_protection_domain
JDK-8263972	C2: LoadVector/StoreVector type mismatch in MemNode::can_see_stored_value()
JDK-8263971	C2 crashes with SIGFPE with -XX:+StressGCM and -XX:+StressIGVN
JDK-8263970	Manual test javax/swing/JTextField/JapaneseReadingAttributes/JapaneseReadingAttributes.java failed
JDK-8263968	CDS: java/lang/ModuleLayer.EMPTY_LAYER should be singleton
JDK-8263964	Redundant check in ObjectStartArray::object_starts_in_range
JDK-8263928	Add JAWT test files for mac
JDK-8263915	runtime/cds/appcds/MismatchedPathTriggerMemoryRelease.java fails when UseCompressedClassPointers is off
JDK-8263914	CDS fails to find the default shared archive on x86_32
JDK-8263908	Build fails due to initialize_static_field_for_dump defined but not used after JDK-8263771
JDK-8263907	Specification of CellRendererPane::paintComponent(..Rectangle) should clearly mention which method it delegates the call to
JDK-8263905	Remove finalize methods for SocketInput/OutputStream
JDK-8263904	compiler/intrinsics/bmi/verifycode/BzhiTestI2L.java fails on x86_32
JDK-8263903	Use Cleaner instead of finalize to auto stop Timer thread
JDK-8263899	HttpClient throws NPE in AuthenticationFilter when parsing www-authenticate head

OpenJDK Patch ID	Synopsis
JDK-8263898	(fs) Files.newOutputStream on the "NUL" special device throws FileSystemException: "nul: Incorrect function" (win)
JDK-8263897	compiler/c2/aarch64/TestVolatilesSerial.java failed with "java.lang.RuntimeException: Wrong method"
JDK-8263896	Make not_suspended parameter from ObjectMonitor::exit() have default value
JDK-8263895	Test nsk/jvmti/GetThreadGroupChildren/getthrdgrpchld001/getthrdgrpchld001.cpp uses incorrect indices
JDK-8263894	Convert defaultPrinter and printers fields to local variables
JDK-8263892	More modifier order fixes in java.base
JDK-8263891	Changes for 8076985 missed the fix.
JDK-8263890	Broken links to Unicode.org
JDK-8263887	Re-create default icons
JDK-8263885	Use the blessed modifier order in java.sql/rowset/transation.xa
JDK-8263884	Clean up os::is_allocatable() across Posix platforms
JDK-8263871	On sem_destroy() failing we should assert
JDK-8263861	Shenandoah: Remove unused member in ShenandoahGCStateResetter
JDK-8263856	Github Actions for macos/aarch64 cross-build
JDK-8263855	Use the blessed modifier order in java.management/naming
JDK-8263852	Unused method SoftRefPolicy::use_should_clear_all_soft_refs
JDK-8263846	Bad JNI lookup getFocusOwner in accessibility code on Mac OS X
JDK-8263834	Work around gdb <incomplete type> for HashtableEntry
JDK-8263833	Stop disabling warnings for sunFont.c with gcc
JDK-8263832	Shenandoah: Fixing parallel thread iteration in final mark task
JDK-8263827	Suspend "missing" javadoc doclint checks for smartcardio

OpenJDK Patch ID	Synopsis
JDK-8263825	Remove unused and commented out member from NTLMLException
JDK-8263821	Remove unused MethodTypeForm canonicalization codes
JDK-8263818	Release JNI local references in get/set-InetXXAddress-member helper functions of net_util.c
JDK-8263781	C2: Cannot hoist independent load above arraycopy
JDK-8263779	SSL Engine reports NEED_WRAP continuously without producing any further output
JDK-8263776	[JVMCI] add helper to perform Java upcalls
JDK-8263775	C2: igv_print() crash unexpectedly when called from debugger
JDK-8263771	Refactor javaClasses initialization code to isolate dumping code
JDK-8263769	simplify PhaseMacroExpand::extract_call_projections()
JDK-8263768	JFormattedTextField.AbstractFormatter.getDocumentFilter()/getNavigationFilter() spec doesn't mention what the default impls return and what does it mean
JDK-8263766	Confusing specification of JEditorPaneAccessibleHypertextSupport constructor
JDK-8263763	Synthetic constructor parameters of enum are not considered for annotation indices
JDK-8263757	Remove serviceability/sa/ClhsdClasses.java from ZGC problem list
JDK-8263756	Fix ZGC ProblemList entry for serviceability/sa/ClhsdbSymbol.java
JDK-8263754	HexFormat 'fromHex' methods should be static
JDK-8263753	two new tests from JDK-8261671 fail with "Error. can not find ClassFileInstaller in test directory or libraries"
JDK-8263743	redundant lock in SSLSocketImpl
JDK-8263742	(bf) MappedByteBuffer.force() should use the capacity as its upper bound
JDK-8263732	ProblemList serviceability/sa/ClhsdbSymbol.java on ZGC

OpenJDK Patch ID	Synopsis
JDK-8263729	[test] divert spurious output away from stream under test in ProcessBuilder Basic test
JDK-8263726	divideToIntegralValue typo on BigDecimal documentation
JDK-8263725	JFR oldobject tests are not run when GCs are specified explicitly
JDK-8263723	[BACKOUT] MoveAndUpdateClosure::do_addr calls function with side-effects in an assert
JDK-8263721	Unify oop casting
JDK-8263718	unused-result warning happens at os_linux.cpp
JDK-8263709	Cleanup THREAD/TRAPS/CHECK usage in JRT_ENTRY routines
JDK-8263707	C1 RangeCheckEliminator support constant array and NewMultiArray
JDK-8263705	Two shenandoah tests fail due to can't find ClassFileInstaller
JDK-8263698	Update SQE test spec to fulfill changes to jpackage CLI from JDK-8261536
JDK-8263688	Coordinate equals, hashCode and compareTo of JavacFileManager.PathAndContainer
JDK-8263684	Avoid wrapping into BufferedWriter twice
JDK-8263681	Update Kerberos 5 Mechanism security guide
JDK-8263679	C1: Remove vtable call
JDK-8263677	Improve Character.isLowerCase/isUpperCase lookups
JDK-8263676	AArch64: one potential bug in C1 LIRGenerator::generate_address()
JDK-8263672	fatal error: no reachable node should have no use
JDK-8263670	pmap and pstack in jhsdb do not work on debug server
JDK-8263668	Update java.time to use instanceof pattern variable
JDK-8263667	Avoid running GitHub actions on branches named pr/*
JDK-8263659	Reflow GTestResultParser for better readability
JDK-8263658	Use the blessed modifier order in java.base

OpenJDK Patch ID	Synopsis
JDK-8263649	AArch64: update cas.m4 to match current AD file
JDK-8263642	javac emits duplicate checkcast for first bound of intersection type in cast
JDK-8263636	Add --disable-registry option to jhsdb debugd
JDK-8263635	Add --servername option to jhsdb debugd
JDK-8263632	Improve exception handling of APIs in classLoader.cpp
JDK-8263622	The java.awt.color.ICC_Profile#setData invert the order of bytes for the "head" tag
JDK-8263621	Convert jdk.compiler to use Stream.toList()
JDK-8263616	'Deprecatd' typo in src/hotspot/share/classfile/classFileParser.cpp
JDK-8263615	Cleanup tightly_coupled_allocation
JDK-8263614	javac allows local variables to be accessed from a static context
JDK-8263612	Unused variables in C1 runtime
JDK-8263595	Remove oop type punning in JavaCallArguments
JDK-8263593	Fix multiple typos in hsdis README
JDK-8263591	Two C2 compiler phases with the name "after matching"
JDK-8263590	Rawtypes warnings should be produced for pattern matching in instanceof
JDK-8263589	Introduce JavaValue::get_oop/set_oop
JDK-8263587	C2: JVMS not cloned when needs_clone_jvms() is true
JDK-8263583	Emoji rendering on macOS
JDK-8263582	WB_IsMethodCompilable ignores compiler directives
JDK-8263579	ZGC: Concurrent mark hangs with debug loglevel
JDK-8263577	C2: reachable nodes shouldn't have dead uses at the end of optimizations
JDK-8263572	Output from jstack mixed mode is misaligned
JDK-8263565	NPE was thrown when sun.jvm.hotspot.rmi.serverNamePrefix was set

OpenJDK Patch ID	Synopsis
JDK-8263564	Consolidate POSIX code for runtime exit support: <code>os::shutdown</code> , <code>os::abort</code> and <code>os::die</code>
JDK-8263562	Checking if <code>proxy_class_head</code> is still <code>lambda_proxy_is_available</code>
JDK-8263560	Remove needless wrapping with <code>BufferedInputStream</code>
JDK-8263559	Add missing initializers to <code>VM_PopulateDumpSharedSpace</code>
JDK-8263558	Possible NULL dereference in fast path arena free if <code>ZapResourceArea</code> is true
JDK-8263557	Possible NULL dereference in <code>Arena::destruct_contents()</code>
JDK-8263556	remove <code>@modules java.base</code> from tests
JDK-8263555	use driver-mode to run <code>ClassFileInstaller</code>
JDK-8263552	Use <code>String.valueOf()</code> for char-to-String conversions
JDK-8263551	Provide shared lock-free FIFO queue implementation
JDK-8263549	8263412 can cause jtreg testlibrary split
JDK-8263548	<code>runtime/cds/appcds/SharedRegionAlignmentTest.java</code> fails to compile after JDK-8263412
JDK-8263546	Add "findsym" command to <code>clhsdb.html</code> help file
JDK-8263545	Convert <code>jpackage</code> to use <code>Stream.toList()</code>
JDK-8263544	Unused argument in <code>ConstantPoolCacheEntry::set_field()</code>
JDK-8263536	Add <code>@build</code> tags to <code>jpackage</code> tests
JDK-8263530	<code>sun.awt.X11.ListHelper.removeAll()</code> should use <code>clear()</code>
JDK-8263528	Make static page ids safe from collision with language elements
JDK-8263514	Minor issue in <code>JavacFileManager.SortFiles.REVERSE</code>
JDK-8263512	[<code>macos_aarch64</code>] issues with calling <code>va_args</code> functions from <code>invoke_native</code>
JDK-8263509	<code>LdapSchemaParser.readNextTag</code> checks array length incorrectly
JDK-8263508	Remove dead code in <code>MethodHandleImpl</code>
JDK-8263507	Improve structure of package summary pages

OpenJDK Patch ID	Synopsis
JDK-8263506	Make sun.net.httpserver.UnmodifiableHeaders unmodifiable
JDK-8263504	Some OutputMachOpcodes fields are uninitialized
JDK-8263501	compiler/oracle/TestInvalidCompileCommand.java fails with release VMs
JDK-8263497	Clean up sun.security.krb5.PrincipalName::toByteArray
JDK-8263496	MetalHighContrastTheme.getControlHighlight cleanup
JDK-8263495	Gather liveness info in the mark phase of G1 full gc
JDK-8263490	[macos] Crash occurs on JPasswordField with activated InputMethod
JDK-8263488	Verify CWarningWindow works with metal rendering pipeline
JDK-8263486	Clean up MTLSurfaceDataBase.h
JDK-8263482	Make access to the ICC color profiles data multithread-friendly
JDK-8263481	Specification of JComponent::setDefaultLocale doesn't mention that passing 'null' restores VM's default locale
JDK-8263480	ProblemList two jpackage tests on Windows
JDK-8263477	serviceability/sa/CIhsdbDumpheap.java timed out
JDK-8263473	Update annotation terminology (2)
JDK-8263472	Specification of JComponent::updateUI should document that the default implementation does nothing
JDK-8263470	Consolidate copies of getClassBytes in various tests
JDK-8263468	New page for "recent" new API
JDK-8263465	JDK-8236847 causes tier1 build failure on linux-aarch64
JDK-8263460	DynamicArchiveRelocationTest.java fails in product VM
JDK-8263455	NMT: assert on registering a region which completely engulfs an existing region
JDK-8263454	com.apple.laf.AquaFileChooserUI ignores the result of String.trim()
JDK-8263452	Javac slow compilation due to algorithmic complexity
JDK-8263450	Simplify LambdaForm.useCount

OpenJDK Patch ID	Synopsis
JDK-8263448	CTW: fatal error: meet not symmetric
JDK-8263446	Avoid unary minus over unsigned type in ObjectSynchronizer::dec_in_use_list_ceiling
JDK-8263445	Duplicate key compiler.err.expected.module in compiler.properties
JDK-8263442	Potential bug in jdk.internal.net.http.common.Utils.CONTEXT_RESTRICTED
JDK-8263439	getSupportedAttributeValues() throws NPE for Finishings attribute
JDK-8263438	Unused method AbstractMemberWriter.isInherited
JDK-8263436	Silly array comparison in GaloisCounterMode.overlapDetection
JDK-8263434	Dangling references after MethodComparator::methods_EMCP
JDK-8263433	Shenandoah: Don't expect forwarded objects in set_concurrent_mark_in_progress()
JDK-8263432	javac may report an invalid package/class clash on case insensitive filesystems
JDK-8263430	Uninitialized Method* variables after JDK-8233913
JDK-8263427	Shenandoah: Trigger weak-LRB even when heap is stable
JDK-8263426	Reflow JfrNetworkUtilization::send_events
JDK-8263425	AArch64: two potential bugs in C1 LIRGenerator::generate_address()
JDK-8263421	Module image file is opened twice during VM startup
JDK-8263420	Incorrect function name in NSAccessibilityStaticText native peer implementation
JDK-8263412	ClassFileInstaller can't be used by classes outside of default package
JDK-8263411	Convert jshell tool to use Stream.toList()
JDK-8263410	ListModel javadoc refers to non-existent interface
JDK-8263404	RsaPrivateKeySpec is always recognized as RSAPrivateCrtKeySpec in RSAKeyFactory.engineGetKeySpec

OpenJDK Patch ID	Synopsis
JDK-8263403	[JVMCI] output written to tty via HotSpotJVMCIRuntime can be garbled
JDK-8263399	CDS should archive only classes allowed by module system
JDK-8263395	Incorrect use of Objects.nonNull
JDK-8263392	Allow current thread to be specified in ExceptionMark
JDK-8263387	G1GarbageCollection JFR event gets gc phase, not gc type
JDK-8263382	java/util/logging/ParentLoggersTest.java failed with "checkLoggers: getLoggerNames() returned unexpected loggers"
JDK-8263380	Unintended use of Objects.nonNull in VarHandles
JDK-8263376	CTW (Shenandoah): assert(mems > 1) failed: No node right after call if multiple mem projections
JDK-8263362	Avoid division by 0 in java/awt/font/TextJustifier.java justify
JDK-8263361	Incorrect arraycopy stub selected by C2 for SATB collectors
JDK-8263358	Update java.lang to use instanceof pattern variable
JDK-8263354	Accumulated C2 code cleanups
JDK-8263353	assert(CompilerOracle::option_matches_type(option, value)) failed: Value must match option type
JDK-8263352	assert(use == polladr) failed: the use should be a safepoint polling
JDK-8263342	Add --connect option to jhsdb hsdb/clhsdb
JDK-8263333	Improve links from core reflection to JLS and JVMMS
JDK-8263332	JFR: Dump recording from a recording stream
JDK-8263326	Remove ReceiverTypeData check from serviceability/sa/TestPrintMdo.java
JDK-8263323	Debug Agent help output includes invalid URL
JDK-8263321	Regression 8% in javadoc-steady in 17-b11
JDK-8263320	[test] Add Object Stream Formatter to work with test utility HexPrinter
JDK-8263311	Watch registry changes for remote printers update instead of polling

OpenJDK Patch ID	Synopsis
JDK-8263303	C2 compilation fails with <code>assert(found_sfpt) failed: no node in loop that's not input to safepoint</code>
JDK-8263300	add <code>HtmlId</code> for the block containing a class's description.
JDK-8263260	[s390] Support latest hardware (z14 and z15)
JDK-8263248	IGV: accept graphs without node categories
JDK-8263242	<code>serviceability/sa/ClhsdbFindPC.java</code> cannot find <code>MaxJNILocalCapacity</code> with ASLR
JDK-8263236	<code>runtime/os/TestTracePageSizes.java</code> fails on old kernels
JDK-8263235	<code>sanity/client/SwingSet/src/ColorChooserDemoTest.java</code> failed throwing <code>java.lang.NoClassDefFoundError</code>
JDK-8263233	Update <code>java.net</code> and <code>java.nio</code> to use <code>instanceof</code> pattern variable
JDK-8263227	C2: inconsistent spilling due to dead nodes in exception block
JDK-8263206	<code>assert(*error_msg != '\0') failed: Must have error_message while parsing -XX:CompileCommand=unknown</code>
JDK-8263203	<code>jconsole</code> Online User Guide has wrong URL
JDK-8263202	Update Hebrew/Indonesian/Yiddish ISO 639 language codes to current
JDK-8263200	Add <code>-XX:StressCCP</code> to CTW
JDK-8263198	<code>javadoc</code> HELP page
JDK-8263191	Consolidate <code>ThreadInVMfromJavaNoAsyncException</code> and <code>ThreadBlockInVMWithDeadlockCheck</code> with existing wrappers
JDK-8263190	Update <code>java.io</code> , <code>java.math</code> , and <code>java.text</code> to use <code>instanceof</code> pattern variable
JDK-8263189	C2: <code>assert(!had_error) failed: bad dominance</code>
JDK-8263188	JSSE should fail fast if there isn't supported signature algorithm
JDK-8263185	<code>Mallinfo</code> deprecated in <code>glibc 2.33</code>
JDK-8263170	<code>ComboBoxModel</code> documentation refers to a nonexistent type
JDK-8263167	IGV: build fails with "taskdef AutoUpdate cannot be found"

OpenJDK Patch ID	Synopsis
JDK-8263164	assert(_base >= VectorA && _base < VectorZ) failed: Not a Vector while calling StoreVectorNode::memory_size()
JDK-8263157	[macos]: java.library.path is being set incorrectly
JDK-8263154	[macos] DMG builds have finder errors
JDK-8263142	Delete unused entry points in libawt/libawt_xawt/libawt_headless
JDK-8263140	Japanese chars garble in console window in HSDB
JDK-8263138	Initialization of sun.font.SunFontManager.platformFontMap is not thread safe
JDK-8263137	Typos in sun.security.ssl.RenegoInfoExtension
JDK-8263136	C4530 was reported from VS 2019 at access bridge
JDK-8263135	unique_ptr should not be used for types that are not pointers
JDK-8263125	During deoptimization vectors should reassign scalarized payload after all objects are reallocated.
JDK-8263124	Missed initialization of baselineY in sun.font.StrikeMetrics
JDK-8263108	Class initialization deadlock in java.lang.constant
JDK-8263107	PSPromotionManager::copy_and_push_safe_barrier needs acquire memory barrier
JDK-8263105	security-libs doclint cleanup
JDK-8263104	fix warnings for empty paragraphs
JDK-8263102	Expand documentation of Method.isBridge
JDK-8263097	Update JMH devkit to 1.28
JDK-8263091	Remove CharacterData.isOtherUppercase/-Lowercase
JDK-8263090	Avoid reading volatile fields twice in Locale.getDefault(Category)
JDK-8263087	Add a MethodHandle combinator that switches over a set of MethodHandles
JDK-8263080	Obsolete relationship in MulticastSocket API documentation.

OpenJDK Patch ID	Synopsis
JDK-8263069	Exclude some failing tests from security/infra/java/security/cert/CertPathValidator
JDK-8263068	Rename safefetch.hpp to safefetch.inline.hpp
JDK-8263058	Optimize vector shift with zero shift count
JDK-8263055	hsdb Command Line Debugger does not properly direct output for some commands
JDK-8263054	[testbug] SharedArchiveConsistency.java reuses jsa files
JDK-8263051	Modernize the code in the java.awt.color package
JDK-8263050	move HtmlDocletWriter.verticalSeparator to IndexWriter
JDK-8263043	Add test to verify order of tag output
JDK-8263041	Shenandoah: Cleanup C1 keep alive barrier check
JDK-8263040	fix for JDK-8262122 fails validate-source
JDK-8263038	Optimize String.format for simple specifiers
JDK-8263030	Remove Shenandoah leftovers from ReferenceProcessor
JDK-8263017	Read barriers are missing in nmethod printing code
JDK-8263006	Add optimization for Max()Node and Min()Node
JDK-8263002	Remove CDS MiscCode region
JDK-8262998	Vector API intrinsics should not modify IR when bailing out
JDK-8262992	Improve <code>@see</code> output
JDK-8262989	Vectorize VectorShuffle checkIndexes, wrapIndexes and lanelValid methods
JDK-8262981	Create implementation for NSAccessibilitySlider protocol
JDK-8262973	Verify ParCompactionManager instance in PCAdjustPointerClosure
JDK-8262958	(fs) UnixUserDefinedFileAttributeView cleanup
JDK-8262957	(fs) Fail fast in UnixFileStore.isExtendedAttributesEnabled
JDK-8262955	Unify os::fork_and_exec() across Posix platforms

OpenJDK Patch ID	Synopsis
JDK-8262952	[macos_aarch64] os::commit_memory failure
JDK-8262950	Restructure compiler/intrinsics/TestRotate.java for easier compilation
JDK-8262935	Add missing logging to sun.net.httpserver.ServerImpl
JDK-8262927	Explicitly state fields examined for BigDecimal.hashCode
JDK-8262926	JDK-8260966 broke AIX build
JDK-8262915	java.awt.color.ColorSpace.getName() is not thread-safe
JDK-8262913	KlassFactory::create_from_stream should never return NULL
JDK-8262910	Cleanup THREAD/TRAPS/naming and typing issues in ObjectMonitor and related code
JDK-8262908	JFR: Allow JFR to stream events from a known repository path
JDK-8262903	[macos_aarch64] Thread::current() called on detached thread
JDK-8262900	ToolBasicTest fails to access HTTP server it starts
JDK-8262899	TestRedirectLinks fails
JDK-8262898	com/sun/net/httpserver/bugs/8199849/ParamTest.java times out
JDK-8262896	[macos_aarch64] Crash in jni_fast_GetLongField
JDK-8262894	[macos_aarch64] SIGBUS in Assembler::ld_st2
JDK-8262893	Enable more doclint checks in javadoc build
JDK-8262892	minor typo in implSpec comment
JDK-8262891	Compiler implementation for Pattern Matching for switch (Preview)
JDK-8262890	JLS changes for Pattern Matching for switch (Preview)
JDK-8262886	javadoc generates broken links with {@inheritDoc}
JDK-8262885	Shenandoah: FullGC prologue does not need to save/restore heap has_forwarded_object flag
JDK-8262883	doccheck: Broken links in java.base
JDK-8262881	port JVM/DI tests from JDK-4413752 to JVM/TI

OpenJDK Patch ID	Synopsis
JDK-8262876	Shenandoah: Fix comments regarding VM_ShenandoahOperation inheritances
JDK-8262875	doccheck: empty paragraphs, etc in java.base module
JDK-8262862	Harden tests sun/security/x509/URICertStore/ExtensionsWithLDAP.java and krb5/canonicalize/Test.java
JDK-8262844	(fs) FileStore.supportsFileAttributeView might return false negative in case of ext3
JDK-8262841	Clarify the behavior of PhantomReference::refersTo
JDK-8262837	handle split_USE correctly
JDK-8262829	Native crash in Win32PrintServiceLookup.getAllPrinterNames()
JDK-8262828	Format of OS information is different on macOS
JDK-8262819	gc/shenandoah/compiler/TestLinkToNativeRBP.java fails with release VMs
JDK-8262807	Note assumptions of core reflection modeling and parameter handling
JDK-8262744	Formatter '%g' conversion uses wrong format for BigDecimal rounding up to limits
JDK-8262739	String inflation C2 intrinsic prevents insertion of anti-dependencies
JDK-8262726	AArch64: C1 StubAssembler::call_RT can corrupt stack
JDK-8262725	IGV: crash when removing all graphs in a group
JDK-8262520	Add SA Command Line Debugger support to connect to debug server
JDK-8262509	JSSE Server should check the legacy version in TLSv1.3 ClientHello
JDK-8262508	Vector API's ergonomics is incorrect
JDK-8262504	Some CLHSDB command cannot know they run on remote debugger
JDK-8262503	Support records in Dynalink
JDK-8262501	jdk17 libjvm link failure with --as-needed and clock_gettime in librt
JDK-8262500	HostName entry in VM.info should be a new line

OpenJDK Patch ID	Synopsis
JDK-8262497	Delete unused utility methods in ICC_Profile class
JDK-8262491	AArch64: CPU description should contain compatible board list
JDK-8262486	Merge trivial JDWP agent changes from the loom repo to the jdk repo
JDK-8262476	Add filter to speed up CompileCommand lookup
JDK-8262472	Buffer overflow in UNICODE::as_utf8 for zero length output buffer
JDK-8262471	Fix coding style in src/java.base/share/classes/java/lang/CharacterDataPrivateUse.java
JDK-8262470	Printed GlyphVector outline with low DPI has bad quality on Windows
JDK-8262466	linux libsaproc/DwarfParser.cpp delete DwarfParser object in early return
JDK-8262465	Very long compilation times and high memory consumption in C2 debug builds
JDK-8262462	IGV: cannot remove specific groups imported via network
JDK-8262461	handle wcstombsdmp return value correctly in unix awt_InputMethod.c
JDK-8262454	Handshake timeout improvements, single target, kill unfinished thread
JDK-8262446	DragAndDrop hangs on Windows
JDK-8262443	GenerateOopMap::do_interpretation can spin for a long time.
JDK-8262438	sun/security/ssl/SSLLogger/LoggingFormatConsistency.java failed with "SocketException: Socket is closed"
JDK-8262433	doclint: reference error in module jdk.incubator.foreign
JDK-8262430	doclint warnings in java.base module
JDK-8262428	doclint warnings in java.xml module
JDK-8262426	Change TRAPS to Thread* for find_constrained_instance_or_array_klass()
JDK-8262424	Change multiple get_java_xxx() functions in thread.cpp into one function
JDK-8262421	doclint warnings in jdk.compiler module
JDK-8262420	typo: @implnote in java.desktop module
JDK-8262416	ProblemList TestHeapDumpForLargeArray.java due to JDK-8262386

OpenJDK Patch ID	Synopsis
JDK-8262409	sun/security/ssl/SSLSocketImpl/SSLSocketImplThrowsWrongExceptions . SSL test failures caused by java failed with "Server reported the wrong exception"
JDK-8262402	Make CATCH macro assert not fatal
JDK-8262398	Shenandoah: Disable nmethod barrier and stack watermark when running with passive mode
JDK-8262392	Update Mesa 3-D Headers to version 21.0.3
JDK-8262389	Use permitted_enctypes if default_tkt_enctypes or default_tgs_enctypes is not present
JDK-8262379	Add regression test for JDK-8257746
JDK-8262377	Parallel class resolution loses constant pool error
JDK-8262375	Document jpackage Mac App Store signing.
JDK-8262373	Document the deprecation of 3DES and RC4 types
JDK-8262368	wrong verifier message for bogus return type
JDK-8262355	Support for AVX-512 opmask register allocation.
JDK-8262351	Extra '0' in java.util.Formatter for '%012a' conversion with a sign character
JDK-8262332	serviceability/sa/CIhsdbJhisto.java fails with Test ERROR java.lang.RuntimeException: 'ParseTongue' missing from stdout/stderr
JDK-8262329	Fix JFR parser exception messages
JDK-8262328	Templatize JVMFlag boilerplate access methods
JDK-8262326	MaxMetaspaceSize does not have to be aligned to metaspace commit alignment
JDK-8262323	do not special case JVMCI in tiered compilation policy
JDK-8262316	Reducing locks in RSA Blinding
JDK-8262315	missing ';' in generated entities
JDK-8262300	jpackage app-launcher fails on linux when using JDK11 based runtime

OpenJDK Patch ID	Synopsis
JDK-8262299	C2 compilation fails with "modified node was not processed by IGVN.transform_old()"
JDK-8262298	G1BarrierSetC2::step_over_gc_barrier fails with assert "bad barrier shape"
JDK-8262296	Fix remaining doclint warnings in jdk.httpserver
JDK-8262295	C2: Out-of-Bounds Array Load from Clone Source
JDK-8262291	Refactor reserve_memory_special_huge_tlbfs
JDK-8262280	Incorrect exception handling for VMThread in class redefinition
JDK-8262277	URLClassLoader.getResource throws undocumented IllegalArgumentException
JDK-8262271	SA: Add new stress test that tests getting the stack trace of an active thread
JDK-8262269	javadoc test TestGeneratedClasses.java fails on Windows
JDK-8262266	JDK-8262049 fails validate-source
JDK-8262265	ProblemList jdk/javadoc/doclet/testGeneratedClasses/TestGeneratedClasses.java on Windows
JDK-8262259	Remove unused variable in MethodLiveness::BasicBlock::compute_gen_kill_single
JDK-8262256	C2 intrinsics should not modify IR when bailing out
JDK-8262235	Remove unnecessary logic in hugetlbfs_sanity_check()
JDK-8262227	Change SystemDictionary::find() to return an InstanceKlass*.
JDK-8262199	issue in jli args.c
JDK-8262197	JDK-8242032 uses wrong contains_reference() in assertion code
JDK-8262195	Harden tests that use the HostsFileNameService (jdk.net.hosts.file property)
JDK-8262188	Add test to verify trace page sizes logging on Linux
JDK-8262185	G1: Prune collection set candidates early

OpenJDK Patch ID	Synopsis
JDK-8262165	NMT report should state how many callsites had been skipped
JDK-8262163	Extend settings printout in jcmd VM.metaspace
JDK-8262161	Refactor manual I/O stream copying in java.desktop to use new convenience APIs
JDK-8262157	LingeredApp.startAppExactJvmOpts does not print app output when launching fails
JDK-8262122	[TESTBUG] Shenandoah-specific variant of TestReferenceRefersTo
JDK-8262110	DST starts from incorrect time in 2038
JDK-8262108	SimpleDateFormat formatting broken for sq_MK Locale
JDK-8262099	jcmd VM.metaspace should report unlimited size if MaxMetaspaceSize isn't specified
JDK-8262097	Improve CompilerConfig ergonomics to fix a VM crash after JDK-8261229
JDK-8262096	Vector API fails to work due to VectorShape initialization exception
JDK-8262094	Handshake timeout scaled wrong
JDK-8262093	java/util/concurrent/tck/JSR166TestCase.java failed "assert(false) failed: unexpected node"
JDK-8262092	vmTestbase/nsk/jvmti/scenarios/hotswap/HS102/hs102t001/TestDescription.java SIGSEGV in memmove_ssse3
JDK-8262087	Use atomic boolean type in G1FullGCAdjustTask
JDK-8262085	Hovering Metal HTML Tooltips in different windows cause IllegalArgumentException on Linux
JDK-8262083	vmTestbase/nsk/jvmti/SetEventNotificationMode/setnotif001/TestDescription.java failed with "No notification: event JVMTI_EVENT_FRAME_POP (61)"
JDK-8262081	vmTestbase/nsk/jdi/ThreadDeathRequest/addThreadFilter/addthreadfilter001/TestDescription.java failed with "ERROR: eventSet1.size() != 3 :: 2"
JDK-8262080	vmTestbase/nsk/jdi/Event/request/request001/TestDescription.java failed with "ERROR: new event is not ThreadStartEvent"

OpenJDK Patch ID	Synopsis
JDK-8262074	Consolidate the default value of MetaspaceSize
JDK-8262068	Improve G1 Full GC by skipping compaction for regions with high survival ratio
JDK-8262064	Make compiler/ciReplay tests ignore lambdas in compilation replay
JDK-8262060	compiler/whitebox/BlockingCompilation.java timed out
JDK-8262049	[TESTBUG] Fix TestReferenceRefersTo.java for Shenandoah IU mode
JDK-8262046	Clean up parallel class loading code and comments
JDK-8262042	ProblemList javax/xml/jaxp/unittest/common/prettyprint/PrettyPrintTest.java on Windows
JDK-8262041	javax/xml/jaxp/unittest/common/prettyprint/PrettyPrintTest.java fails after JDK-8260858
JDK-8262028	Make InstanceClass::implementor return InstanceClass
JDK-8262027	Improve how HttpURLConnection detects a closed channel when taking/returning a connection to the pool
JDK-8262018	Wrong format in SAP copyright header of OsVersionTest
JDK-8262017	C2: assert(n != __null) failed: Bad immediate dominator info.
JDK-8262011	[JVMCI] allow printing to tty from unattached libgraal thread
JDK-8262002	java/lang/instrument/VerifyLocalVariableTableOnRetransformTest.sh failed with "TestCaseScaffoldException: DummyClassWithLVT did not match .class file"
JDK-8262001	java/lang/management/ThreadMXBean/ResetPeakThreadCount.java failed with "RuntimeException: Current Peak = 14 Expected to be == previous peak = 7 + 8"
JDK-8262000	jdk/jfr/event/gc/detailed/TestPromotionFailedEventWithParallelScaveng e.java failed with "OutOfMemoryError: Java heap space"
JDK-8261998	Remove unused shared entry support from utilities/hashtable

OpenJDK Patch ID	Synopsis
JDK-8261984	Shenandoah: Remove unused ShenandoahPushWorkerQueuesScope class
JDK-8261977	Fix comment for getPrefixed() in canonicalize_md.c
JDK-8261976	Normalize id's used by the standard doclet
JDK-8261975	Missing "classpath exception" in VectorSupport.java
JDK-8261973	Shenandoah: Cleanup/simplify root verifier
JDK-8261969	SNIHostName should check if the encoded hostname conform to RFC 3490
JDK-8261966	macOS M1: report in hs_err log if we are running x86 code in emulation mode (Rosetta)
JDK-8261957	[PPC64] Support for Concurrent Thread-Stack Processing
JDK-8261954	Dependencies: Improve iteration over class hierarchy under context class
JDK-8261949	fileStream::readIn returns incorrect line string
JDK-8261940	Fix references to IOException in BigDecimal javadoc
JDK-8261939	os::strdup_check_oom() should be used in os::same_files() in os_windows.cpp
JDK-8261938	ASN1Formatter.annotate should not return in the finally block
JDK-8261937	LambdaForClassInBaseArchive: SimpleApp\$\$Lambda\$1 missing
JDK-8261936	(Docs) Remove spec change documents for records & pattern matching
JDK-8261931	IGV: quick search fails on multi-line node labels
JDK-8261929	ClhsdbFindPC fails with java.lang.RuntimeException: 'In java stack' missing from stdout/stderr
JDK-8261925	ProblemList com/sun/jdi/AfterThreadDeathTest.java on Linux
JDK-8261921	ClassListParser::current should be used only by main thread
JDK-8261920	[AIX] jshell command throws java.io.IOException on non English locales

OpenJDK Patch ID	Synopsis
JDK-8261919	java/util/Locale/LocaleProvidersRun.java failed with "RuntimeException: Expected log was not emitted. LogRecord: null"
JDK-8261918	two runtime/cds/appcds/VerifierTest failed with "Unable to use shared archive"
JDK-8261916	gtest/GTestWrapper.java vmErrorTest.unimplemented1_vm_assert failed
JDK-8261914	IfNode::fold_compares_helper faces non-canonicalized bool when running JRuby JSON workload
JDK-8261912	Code IfNode::fold_compares_helper more defensively
JDK-8261905	Move implementation of OopStorage num_dead related functions
JDK-8261880	Change nested classes in java.base to static nested classes where possible
JDK-8261868	Reduce inclusion of metaspace.hpp
JDK-8261862	Expand discussion of rationale for BigDecimal equals/compareTo semantics
JDK-8261860	Crash caused by lambda proxy class loaded in Shutdown hook
JDK-8261859	gc/g1/TestStringDeduplicationTableRehash.java failed with "RuntimeException: 'Rehash Count: 0' found in stdout"
JDK-8261857	serviceability/sa/CIhsdbPrintAll.java failed with "Test ERROR java.lang.RuntimeException: 'cannot be cast to' found in stdout"
JDK-8261856	Documenting the implementation specific features and properties
JDK-8261851	Update ReflectionCallerCacheTest.java test to use ForceGC from test library
JDK-8261846	[JVMCI] c2v_iterateFrames can get out of sync with the StackFrameStream
JDK-8261845	File permissions of packages built by jpackage
JDK-8261843	incorrect info in docs/building.html
JDK-8261842	Shenandoah: cleanup ShenandoahHeapRegionSet

OpenJDK Patch ID	Synopsis
JDK-8261839	Error creating runtime package on macos without mac-package-identifier
JDK-8261838	Shenandoah: reconsider heap region iterators memory ordering
JDK-8261812	C2 compilation fails with assert(!had_error) failed: bad dominance
JDK-8261804	Remove field _processing_is_mt, calculate it instead
JDK-8261803	Remove unused TaskTerminator in g1 full gc ref proc executor
JDK-8261799	Remove unnecessary cast in psParallelCompact.hpp
JDK-8261791	(sctp) handleSendFailed in SctpChannelImpl.c potential leaks
JDK-8261785	Calling "main" method in anonymous nested class crashes the JVM
JDK-8261778	Update JDK documentation links in Standard Algorithm Names page
JDK-8261759	ZGC: ZWorker Threads Continue Marking After System.exit() called
JDK-8261758	[TESTBUG] gc/g1/TestGCLogMessages.java fails if ergonomics detect too small InitialHeapSize
JDK-8261753	Test java/lang/System/OsVersionTest.java still failing on BigSur patch versions after JDK-8253702
JDK-8261752	Multiple GC test are missing memory requirements
JDK-8261750	Remove internal class sun.net.www.MimeLauncher
JDK-8261744	Implement CharsetDecoder ASCII and latin-1 fast-paths
JDK-8261730	C2 compilation fails with assert(store%find_edge(load) != -1) failed: missing precedence edge
JDK-8261728	SimpleDateFormat should link to DateTimeFormatter
JDK-8261711	Clhsdb "versioncheck true" throws NPE every time
JDK-8261710	SA DSO objects have sizes that are too large
JDK-8261702	ClhsdbFindPC can fail due to PointerFinder incorrectly thinking an address is in a .so
JDK-8261692	Bugs in clhsdb history support

OpenJDK Patch ID	Synopsis
JDK-8261689	javax/swing/JComponent/7154030/bug7154030.java still fails with "Exception: Failed to hide opaque button"
JDK-8261675	ObjectValue::set_visited(bool) sets _visited false
JDK-8261673	Move javadoc for the lookup mechanism to module-info
JDK-8261672	Reduce inclusion of classLoaderData.hpp
JDK-8261671	X86 I2L conversion can be skipped for certain masked positive values
JDK-8261670	Add javadoc for the XML processing limits
JDK-8261666	[mlvm] Remove WhiteBoxHelper
JDK-8261665	Clean up naming of StringContent and FixedStringContent
JDK-8261662	Rename compute_loader_lock_object
JDK-8261661	gc/stress/TestReclaimStringsLeaksMemory.java fails because Reserved memory size is too big
JDK-8261660	AArch64: Race condition in stub code generation for LSE Atomics
JDK-8261659	JDK-8261027 causes a Tier1 validate-source failure
JDK-8261657	[PPC64] Cleanup StoreCM nodes after CMS removal
JDK-8261655	[PPC64] Build broken after JDK-8260941
JDK-8261654	Missing license header in Signatures.java
JDK-8261652	Remove some dead comments from os_bsd_x86
JDK-8261649	AArch64: Optimize LSE atomics in C++ code
JDK-8261644	NMT: Simplifications and cleanups
JDK-8261636	The test mapping in hugetlbfs_sanity_check should consider LargePageSizeInBytes
JDK-8261625	Add <code>Elements.isAutomaticModule(ModuleElement)</code>
JDK-8261623	reference to javac internals in Extern class
JDK-8261621	Delegate Unicode history from JLS to j.l.Character
JDK-8261610	9.6.4.1: Refine no-@Target to mean "applicable in all declaration contexts"

OpenJDK Patch ID	Synopsis
JDK-8261609	remove remnants of XML-driven builders
JDK-8261608	Move common CDS archive building code to archiveBuilder.cpp
JDK-8261607	SA attach is exceeding JNI Local Refs capacity
JDK-8261606	Surprising behavior of step over in String switch
JDK-8261604	ProblemList jdk/dynalink/TypeConverterFactoryMemoryLeakTest.java
JDK-8261601	(sctp) free memory in early return in Java_sun_nio_ch_sctp_SctpChannelImpl_receive0
JDK-8261600	NMT: Relax memory order for updating MemoryCounter and fix racy updating of peak values
JDK-8261593	Do not use NULL pointer as write buffer parameter in jfrEmergencyDump.cpp write_repository_files
JDK-8261585	Restore HandleArea used in Deoptimization::uncommon_trap
JDK-8261553	Efficient mask generation using BMI2 BZHI instruction
JDK-8261552	s390: MacroAssembler::encode_class_not_null() may produce wrong results for non-zero values of narrow klass base
JDK-8261551	Remove special CDS handling in Metaspace::allocate
JDK-8261549	Adjust memory size in MTLTexturePool.m
JDK-8261548	ProblemList runtime/NMT/CheckForProperDetailStackTrace.java
JDK-8261542	X86 slice and unslice intrinsics for 256-bit byte/short vectors
JDK-8261534	Test sun/security/pkcs11/KeyAgreement/IllegalPackageAccess.java fails on platforms where no nsslib artifacts are defined
JDK-8261533	Java_sun_font_CFont_getCascadeList leaks memory according to Xcode
JDK-8261532	Archived superinterface class cannot be accessed
JDK-8261527	Record page size used for underlying mapping in ReservedSpace
JDK-8261522	[PPC64] AES intrinsics write beyond the destination array
JDK-8261520	JDK-8261302 breaks runtime/NMT/CheckForProperDetailStackTrace.java

OpenJDK Patch ID	Synopsis
JDK-8261518	jpackage looks for main module in current dir when there is no module-path
JDK-8261510	Use RFC numbers and protocol titles in sun.security.ssl.SSLEXTension comments
JDK-8261509	Move per-thread StackWatermark from Thread to JavaThread class
JDK-8261505	Test test/hotspot/jtreg/gc/parallel/TestDynShrinkHeap.java killed by Linux OOM Killer
JDK-8261504	Shenandoah: reconsider ShenandoahJavaThreadsIterator::claim memory ordering
JDK-8261503	Shenandoah: reconsider verifier memory ordering
JDK-8261502	ECDHKeyAgreement: Allows alternate ECPrivateKey impl and revised exception handling
JDK-8261501	Shenandoah: reconsider heap statistics memory ordering
JDK-8261500	Shenandoah: reconsider region live data memory ordering
JDK-8261499	Simplify HTML for javadoc links
JDK-8261496	Shenandoah: reconsider pacing updates memory ordering
JDK-8261493	Shenandoah: reconsider bitmap access memory ordering
JDK-8261483	jdk/dynalink/TypeConverterFactoryMemoryLeakTest.java failed with "AssertionError: Should have GCd a method handle by now"
JDK-8261481	Cannot read Kerberos settings in dynamic store on macOS Big Sur
JDK-8261480	MetaspaceShared::preload_and_dump should check exceptions
JDK-8261479	CDS runtime code should check exceptions
JDK-8261478	InstanceKlass::set_classpath_index does not match comments
JDK-8261473	Shenandoah: Add breakpoint support
JDK-8261472	BasicConstraintsExtension::toString shows "PathLen:2147483647" if there is no pathLenConstraint
JDK-8261462	GCM ByteBuffer decryption problems

OpenJDK Patch ID	Synopsis
JDK-8261457	test/langtools/tools/javac/T8187978 can fail if ArrayList class is modified
JDK-8261450	JShell crashes with SIOOBE in tab completion
JDK-8261449	Micro-optimize JVM_LatestUserDefinedLoader
JDK-8261448	Preserve GC stack watermark across safepoints in StackWalk
JDK-8261447	MethodInvocationCounters frequently run into overflow
JDK-8261445	Use memory_order_relaxed for os::random().
JDK-8261444	Remove unused fields in Lower
JDK-8261431	SA: Add comments about load address of executable
JDK-8261422	Adjust problematic String.format calls in jdk/internal/util/Preconditions.java outOfBoundsMessage
JDK-8261418	Reduce decoder creation overheads for sun.nio.cs.ext Charsets
JDK-8261413	Shenandoah: Disable class-unloading in I-U mode
JDK-8261401	Add sanity check for UseSHM large pages similar to the one used with hugetlb large pages
JDK-8261397	try catch Method failing to work when dividing an integer by 0
JDK-8261395	C1 crash "cannot make java calls from the native compiler"
JDK-8261392	Exclude testlibrary_tests/ctw/JarDirTest.java
JDK-8261391	ZGC crash - SEGV in RevokeOneBias::do_thread
JDK-8261368	The new TestNullSetColor test is placed in the wrong group
JDK-8261366	Add discussion of IEEE 754 to BigDecimal
JDK-8261361	Release Note: Removed Telia Company's Sonera Class2 CA Certificate
JDK-8261356	Clean up enum G1Mark
JDK-8261355	No data buffering in SunPKCS11 Cipher encryption when the underlying mechanism has no padding
JDK-8261354	SIGSEGV at MethodIteratorHost

OpenJDK Patch ID	Synopsis
JDK-8261352	Create implementation for component peer for all the components who should be ignored in a11y interactions
JDK-8261351	Create implementation for NSAccessibilityRadioButton protocol
JDK-8261350	Create implementation for NSAccessibilityCheckBox protocol peer
JDK-8261340	Fix 'deprecated' warnings in the vmTestbase/nsk tests
JDK-8261336	IGV: enhance default filters
JDK-8261334	NMT: tuning statistic shows incorrect hash distribution
JDK-8261309	Remove remaining StoreLoad barrier with UseCondCardMark for Serial/Parallel GC
JDK-8261308	C2: assert(inner.is_valid_counted_loop(T_INT) && inner.is_strip_mined()) failed: OuterStripMinedLoop should have been removed
JDK-8261306	ServiceLoader documentation has malformed Unicode escape
JDK-8261302	NMT: Improve malloc site table hashing
JDK-8261301	StringWriter.flush() is NOOP but documentation does not indicate it
JDK-8261300	jpackage: rewrite while(0)/while(false) to proper blocks
JDK-8261299	Use-after-free on failure path in LinuxPackage.c, getJvmLauncherLibPath
JDK-8261298	LinuxPackage.c, getJvmLauncherLibPath RPM/DEB typo
JDK-8261297	NMT: Final report should use scale 1
JDK-8261290	Improve error message for NumberFormatException on null input
JDK-8261282	Lazy initialization of built-in ICC_Profile/ColorSpace classes is too lazy
JDK-8261281	Linking jdk.jpackage fails for linux aarch32 builds after 8254702
JDK-8261280	Remove THREAD argument from compute_loader_lock_object
JDK-8261279	sun/util/resources/cldr/TimeZoneNamesTest.java timed out
JDK-8261270	MakeMethodNotCompilableTest fails with -XX:TieredStopAtLevel={1,2,3}
JDK-8261269	When using clhsdb to "inspect" a java object, clhsdb prints "Oop for..." twice

OpenJDK Patch ID	Synopsis
JDK-8261268	LOAD_INSTANCE placeholders unneeded for parallelCapable class loaders
JDK-8261263	Simplify javadoc link code
JDK-8261262	Kitchensink24HStress.java crashed with EXCEPTION_ACCESS_VIOLATION
JDK-8261261	The version extra fields needs to be overridable in jib-profiles.js
JDK-8261254	Initialize charset mapping data lazily
JDK-8261251	Shenandoah: Use object size for full GC humongous compaction
JDK-8261250	Dependencies: Remove unused dependency types
JDK-8261247	some compiler/whitebox/ tests fail w/ DeoptimizeALot
JDK-8261238	NMT should not limit baselining by size threshold
JDK-8261237	remove isClassPathAttributePresent method
JDK-8261235	C1 compilation fails with assert(res≠vreg_number() == index) failed: conversion check
JDK-8261231	Windows IME was disabled after DnD operation
JDK-8261230	GC tracing of page sizes are wrong in a few places
JDK-8261229	MethodData is not correctly initialized with TieredStopAtLevel=3
JDK-8261225	TieredStopAtLevel should have no effect if TieredCompilation is disabled
JDK-8261213	[BACKOUT] MutableSpace's end should be atomic
JDK-8261209	isStandalone property: remove dependency on pretty-print
JDK-8261205	AssertionError: Cannot add metadata to an intersection type
JDK-8261203	Incorrectly escaped javadoc html with type annotations
JDK-8261200	Some code in the ICC_Profile may not close file streams properly
JDK-8261198	[macOS] Incorrect JNI parameters in number conversion in A11Y code
JDK-8261190	restore original Alibaba copyright line in two files
JDK-8261179	Norwegian Bokmål Locale fallback issue

OpenJDK Patch ID	Synopsis
JDK-8261170	Upgrade to FreeType 2.10.4
JDK-8261169	Upgrade HarfBuzz to the latest 2.8.0
JDK-8261168	Convert javadoc tool to use Stream.toList()
JDK-8261167	print_process_memory_info add a close call after fopen
JDK-8261161	Clean up warnings in hotspot/jtreg/vmTestbase tests
JDK-8261160	Add a deserialization JFR event
JDK-8261158	JVMState should not be shared between SafePointNodes
JDK-8261157	Incorrect GPL header after JDK-8259956
JDK-8261154	Memory leak in Java_java_lang_ClassLoader_defineClass0 with long class names
JDK-8261149	Initial nroff manpage update for JDK 17
JDK-8261147	C2: Node is wrongly marked as reduction resulting in a wrong execution due to wrong vector instructions
JDK-8261142	AArch64: Incorrect instruction encoding when right-shifting vectors with shift amount equals to the element width
JDK-8261137	Optimization of Box nodes in uncommon_trap
JDK-8261131	jcmd jmap dump should not accept gz option with no value
JDK-8261127	Cleanup THREAD/TRAPS/CHECK usage in CDS code
JDK-8261125	Move VM_Operation to vmOperation.hpp
JDK-8261123	Augment discussion of equivalence classes in Object.equals and comparison methods
JDK-8261109	[macOS] Remove disabled warning for JNF in make/autoconf/flags-cflags.m4
JDK-8261107	ArrayIndexOutOfBoundsException in the ICC_Profile.getInstance(InputStream)
JDK-8261106	Reduce inclusion of jniHandles.hpp

OpenJDK Patch ID	Synopsis
JDK-8261098	Add clhsdb "findsym" command
JDK-8261096	Convert jlink tool to use Stream.toList()
JDK-8261095	Add test for clhsdb "symbol" command
JDK-8261094	Open javax/swing/text/html/CSS/4765271/bug4765271.java
JDK-8261090	Store old classfiles in static CDS archive
JDK-8261079	Fix support for @hidden in classes and interfaces
JDK-8261075	Create stubRoutines.inline.hpp with SafeFetch implementation
JDK-8261072	AArch64: Fix MacroAssembler::get_thread convention
JDK-8261071	AArch64: Refactor interpreter native wrappers
JDK-8261036	Reduce classes loaded by CleanerFactory initialization
JDK-8261034	improve jcmd GC.class_histogram to support parallel
JDK-8261030	Avoid loading GenerateJLIClassesHelper at runtime
JDK-8261029	Code heap page sizes not traced correctly using os::trace_page_sizes
JDK-8261028	ZGC: SIGFPE when MaxVirtMemFraction=0
JDK-8261027	AArch64: Support for LSE atomics C++ HotSpot code
JDK-8261023	Document why memory pretouch must be a store
JDK-8261022	Fix incorrect result of Math.abs() with char type
JDK-8261010	Delete the Netbeans "default" license header
JDK-8261008	Optimize Xor
JDK-8261003	Bad Copyright header format after JDK-8183372
JDK-8260998	Shenandoah: Restore reference processing statistics reporting
JDK-8260966	(fs) Consolidate Linux and macOS implementations of UserDefinedFileAttributeView
JDK-8260959	remove RECORDS from PreviewFeature.Feature enum
JDK-8260941	Remove the conc_scan parameter for CardTable

OpenJDK Patch ID	Synopsis
JDK-8260934	java/lang/StringBuilder/HugeCapacity.java fails without Compact Strings
JDK-8260933	runtime/cds/serviceability/ReplaceCriticalClassesForSubgraphs.java fails without CompactStrings
JDK-8260931	Implement JEP 382: New macOS Rendering Pipeline
JDK-8260928	InitArrayShortSize constraint func should print a helpful error message
JDK-8260927	StringBuilder::insert is incorrect without Compact Strings
JDK-8260926	Trace resource exhausted events unconditionally
JDK-8260925	HttpsURLConnection does not work with other JSSE provider.
JDK-8260923	Add more tests for SSLSocket input/output shutdown
JDK-8260902	CDS mapping errors should not lead to unconditional output
JDK-8260899	ARM32: SyncOnValueBasedClassTest fails with assert(is_valid()) failed: invalid register
JDK-8260878	com/sun/jdi/JdbOptions.java fails without jfr
JDK-8260869	Test java/foreign/TestHandshake.java fails intermittently
JDK-8260867	ProblemList java/awt/FullScreen/TranslucentWindow/TranslucentWindow.java on linux
JDK-8260864	ProblemList two security/krb5 tests on Linux
JDK-8260862	JFR: New configure command for the jfr tool
JDK-8260861	TrustStoreDescriptor log the same value
JDK-8260860	ProblemList tools/jlink/plugins/CompressorPluginTest.java
JDK-8260858	Implementation specific property xsltclsStandalone for XSLTC Serializer
JDK-8260736	Shenandoah: Cleanup includes in ShenandoahGC and families
JDK-8260716	Assert in MacroAssembler::clear_mem with -XX:-IdealizeClearArrayNode
JDK-8260709	C2: assert(false) failed: unscheduable graph
JDK-8260707	java/lang/instrument/PremainClass/InheritAgent0100.java times out

OpenJDK Patch ID	Synopsis
JDK-8260704	ParallelGC: oldgen expansion needs release-store for _end
JDK-8260695	The java.awt.color.ICC_Profile#getData/getData(int) are not thread safe
JDK-8260694	(fc) Clarify FileChannel.transferFrom to better describe "no bytes available" case
JDK-8260693	Provide the support for specifying a signer in keytool -genkeypair
JDK-8260691	(fs) LinuxNativeDispatcher should link to xattr functions
JDK-8260690	JConsole User Guide Link from the Help menu is not accessible by keyboard
JDK-8260687	Inherited font size is smaller than expected when using StyleSheet to add styles
JDK-8260685	ProblemList 2 compiler/jvmci/compilerToVM tests in Xcomp configs
JDK-8260684	vmTestbase/gc/gctests/PhantomReference/phantom002/TestDescription.java timed out
JDK-8260674	ProblemList jdk/incubator/vector/VectorHash.java in Xcomp configs
JDK-8260669	Missing quotes in fixpath.sh
JDK-8260664	Phaser.arrive() memory consistency effects
JDK-8260653	Unreachable nodes keep speculative types alive
JDK-8260650	test failed with "assert(false) failed: infinite loop in PhaselterGVN::optimize"
JDK-8260643	Remove parallel version handling in CardTableRS::younger_refs_in_space_iterate()
JDK-8260637	Shenandoah: assert(_base == Tuple) failure during C2 compilation
JDK-8260632	Build failures after JDK-8253353
JDK-8260630	Templatize literal_size
JDK-8260629	Remove explicit instantiation of Hashtable with oop value
JDK-8260625	Rename MetaspaceExpand_lock

OpenJDK Patch ID	Synopsis
JDK-8260621	(jrtfs) ThreadLocal memory leak in ImageBufferCache when using jrtfs
JDK-8260619	Add final modifier to several DataFlavor static fields
JDK-8260617	Merge ZipFile encoding check with the initial hash calculation
JDK-8260616	Removing remaining JNF dependencies in the java.desktop module
JDK-8260608	add a regression test for 8260370
JDK-8260605	Various java.lang.invoke cleanups
JDK-8260596	Comment cleanup in BigInteger
JDK-8260593	javac can skip a temporary local variable when pattern matching over a local variable
JDK-8260592	jpackage tests fail when Desktop is not supported
JDK-8260591	Shenandoah: improve parallelism for concurrent thread root scans
JDK-8260589	Crash in JfrTraceIdLoadBarrier::load(_jclass*)
JDK-8260586	Shenandoah: simplify "Concurrent Weak References" logging
JDK-8260585	AArch64: Wrong code generated for shifting right and accumulating four unsigned short integers
JDK-8260584	Shenandoah: simplify "Concurrent Thread Roots" logging
JDK-8260581	IGV: enhance node search
JDK-8260579	PPC64 and S390 builds failures after JDK-8260467
JDK-8260577	Unused code in AbstractCompiler after Shark compiler removal
JDK-8260576	Typo in compiler/runtime/safepoints/TestRegisterRestoring.java
JDK-8260574	Remove parallel constructs in GenCollectedHeap::process_roots
JDK-8260571	Add PrintMetaspaceStatistics to print metaspace statistics upon VM exit
JDK-8260566	Pattern type X is a subtype of expression type Y message is incorrect
JDK-8260565	JFR: Fix copyright header in tests
JDK-8260561	[doc] HexFormat has incorrect @since tag

OpenJDK Patch ID	Synopsis
JDK-8260556	Update Security Guide for Enable XML Signature secure validation mode by default
JDK-8260524	validate-source fails on test/jdk/jdk/jfr/event/gc/detailed/TestGCLockerEvent.java
JDK-8260522	Clean up warnings in hotspot JTReg runtime tests
JDK-8260520	Avoid getting permissions in JarFileFactory when no SecurityManager installed
JDK-8260518	Change default -mmacosx-version-min to 10.12
JDK-8260517	implement Sealed Classes as a standard feature in Java
JDK-8260516	JVMS changes for Sealed Classes
JDK-8260515	JLS changes for Sealed Classes
JDK-8260506	VersionHelper cleanup
JDK-8260502	[s390] NativeMovRegMem::verify() fails because it's too strict
JDK-8260501	[Vector API] Improve register usage for shift operations on x86
JDK-8260497	Shenandoah: Improve SATB flushing
JDK-8260485	Simplify and unify handler vectors in Posix signal code
JDK-8260473	[vector] ZGC: VectorReshape test produces incorrect results with ZGC enabled
JDK-8260471	Change SystemDictionary::X_klass calls to vmClasses::X_klass
JDK-8260467	Move well-known classes from systemDictionary.hpp to vmClasses.hpp
JDK-8260466	Test TestHeapDumpOnOutOfMemoryError.java needs multiple @test sections
JDK-8260462	Missing <thead> in Modality.html
JDK-8260461	Modernize jsr166 tck tests
JDK-8260460	GitHub actions still fail on Linux x86_32 with "Could not configure libc6:i386"

OpenJDK Patch ID	Synopsis
JDK-8260449	Remove stale declaration of SATBMarkQueue::apply_closure_and_empty()
JDK-8260448	Simplify ManagementFactory\$PlatformMBeanFinder
JDK-8260432	allocateSpaceForGP in freetypeScaler.c might leak memory
JDK-8260431	com/sun/jdi/JdbOptions.java failed with "RuntimeException: 'prop[boo] =>foo<' missing from stdout/stderr"
JDK-8260426	awt debug_mem.c DMem_AllocateBlock might leak memory
JDK-8260421	Shenandoah: Fix conc_mark_roots timing name and indentations
JDK-8260420	C2 compilation fails with assert(found_sfpt) failed: no node in loop that's not input to safepoint
JDK-8260416	Remove unused method ReferenceProcessor::is_mt_processing_set_up()
JDK-8260415	Remove unused class ReferenceProcessorMTProcMutator
JDK-8260414	Remove unused set_single_threaded_mode() method in task executor
JDK-8260408	Shenandoah: adjust inline hints after JDK-8255019
JDK-8260407	cmp != __null && cmp%Opcode() == Op_CmpL failure with -XX:StressLongCountedLoop=200000000 in lucene
JDK-8260406	Do not copy pure java source code to gensrc
JDK-8260404	jvm_io.h include missing in a number of files
JDK-8260403	javap should be more robust in the face of invalid class files
JDK-8260401	StackOverflowError on open WindowsPreferences
JDK-8260391	Remove StringCoding::err
JDK-8260390	Document new system property to enable the OCSP nonce extension
JDK-8260388	Listing (sub)packages at package level of API documentation
JDK-8260381	ProblemList com/sun/management/DiagnosticCommandMBean/DcmdMBeanTestCheckJni.java on Win with ZGC
JDK-8260380	Upgrade to LittleCMS 2.12

OpenJDK Patch ID	Synopsis
JDK-8260378	[TESTBUG] DcmdMBeanTestCheckJni.java reports false positive
JDK-8260372	[PPC64] Add support for JDK-8210498 and JDK-8222841
JDK-8260370	C2: LoopLimit node is not eliminated
JDK-8260369	[PPC64] Add support for JDK-8200555
JDK-8260368	[PPC64] GC interface needs enhancement to support GCs with load barriers
JDK-8260366	ExtendedSocketOptions <clinit> can deadlock in some circumstances
JDK-8260360	IGV: Short name of combined nodes is hidden by background color
JDK-8260356	(tz) Upgrade time-zone data to tzdata2021a
JDK-8260355	AArch64: deoptimization stub should save vector registers
JDK-8260349	Cannot programmatically retrieve Metaspace max set via JAVA_TOOL_OPTIONS
JDK-8260343	Delete obsolete classes in the Windows L&F
JDK-8260341	CDS dump VM init code does not check exceptions
JDK-8260339	JVM crashes when executing PhaseIdealLoop::match_fill_loop
JDK-8260338	Some fields in HaltNode is not cloned
JDK-8260337	Optimize ImageReader lookup, used by Class.getResource
JDK-8260335	[macos] Running app using relative path causes problems
JDK-8260334	Remove deprecated sv_for_node_id() from Compile
JDK-8260331	javax/swing/JInternalFrame/8146321/JInternalFrameIconTest.java failed with "ERROR: icon and imageIcon not same."
JDK-8260329	Update references to TAOCP to latest edition
JDK-8260315	Typo "focul" instead of "focus" in FocusSpec.html
JDK-8260314	Replace border="1" on tables with CSS
JDK-8260311	Document New System Properties to configure TLS extensions
JDK-8260309	Shenandoah: Clean up ShenandoahBarrierSet

OpenJDK Patch ID	Synopsis
JDK-8260308	Update LogCompilation junit to 4.13.1
JDK-8260307	Do not include method.hpp in frame.hpp
JDK-8260306	Do not include osThread.hpp in thread.hpp
JDK-8260304	(se) EPollSelectorImpl wakeup mechanism broken on Linux 32-bit
JDK-8260301	misc gc/g1/unloading tests fails with "RuntimeException: Method could not be enqueued for compilation at level N"
JDK-8260296	SA's dumpreplaydata fails
JDK-8260291	The case instruction is not visible in dark mode
JDK-8260289	Unable to customize module lists after change JDK-8258411
JDK-8260286	Manual Test "ws/open/test/jdk/sun/security/tools/jarsigner/compatibility/Compatibility.java" fails
JDK-8260284	C2: assert(_base == Int) failed: Not an Int
JDK-8260282	Add option to compress heap dumps created by -XX:+HeapDumpOnOutOfMemoryError
JDK-8260274	Cipher.init(int, key) does not use highest priority provider for random bytes
JDK-8260273	DataOutputStream writeChars optimization
JDK-8260272	bash configure --prefix does not work after JDK-8257679
JDK-8260267	ZGC: Reduce mark stack usage
JDK-8260264	Move common os_<unix> inline methods to a common posix source file
JDK-8260263	Remove PtrQueue::_qset
JDK-8260255	C1: LoopInvariantCodeMotion constructor can leave some fields uninitialized
JDK-8260250	Duplicate check in DebugInformationRecorder::recorders_frozen
JDK-8260236	better init AnnotationCollector _contended_group
JDK-8260223	Handling of unnamed package in javadoc pages

OpenJDK Patch ID	Synopsis
JDK-8260222	remove unused <code>_thread</code> member <code>SymbolTableLookup</code>
JDK-8260221	<code>java.util.Formatter</code> throws wrong exception for mismatched flags in <code>%%</code> conversion
JDK-8260212	Shenandoah: <code>resolve-only UpdateRefsMode</code> is not used
JDK-8260208	Improve dummy object filling condition in <code>G1CollectedHeap::fill_archive_regions</code> in <code>cds</code>
JDK-8260200	G1: Remove unnecessary update in <code>FreeRegionList::remove_starting_at</code>
JDK-8260198	<code>TypeInstPtr::dump2()</code> emits multiple lines if <code>Verbose</code> is set
JDK-8260195	Update the Trouble-shooting Guide for option <code>-Xcheck:jni</code>
JDK-8260194	Update the documentation for <code>-Xcheck:jni</code>
JDK-8260193	Remove <code>JVM_GetInterfaceVersion()</code> and <code>JVM_DTraceXXX</code>
JDK-8260191	Do not include <code>access.hpp</code> in <code>oop.hpp</code>
JDK-8260169	LogCompilation: Unexpected method mismatch
JDK-8260106	Shenandoah: refactor reference updating closures and related code
JDK-8260053	Optimize Tokens' use of Names
JDK-8260048	Shenandoah: <code>ShenandoahMarkingContext</code> asserts are unnecessary
JDK-8260046	Assert <code>left >= right</code> in <code>pointer_delta()</code> methods
JDK-8260045	Parallel GC: Waiting on <code>ExpandHeap_lock</code> may cause "expansion storm"
JDK-8260044	Parallel GC: Concurrent allocation after heap expansion may cause unnecessary full gc
JDK-8260043	Reduce allocation in <code>sun.net.www.protocol.jar.Handler.parseURL</code>
JDK-8260042	G1 Post-cleanup liveness printing occurs too early
JDK-8260035	Deproblemlist few problemlisted test
JDK-8260030	Improve <code>stringstream</code> buffer handling
JDK-8260029	aarch64: fix typo in <code>verify_oop_array</code>
JDK-8260025	Missing comma in <code>VM_Version_Ext::_family_id_amd</code>

OpenJDK Patch ID	Synopsis
JDK-8260022	[ppc] os::print_function_and_library_name shall resolve function descriptors transparently
JDK-8260019	Move some Thread subtypes out of thread.hpp
JDK-8260012	Reduce inclusion of collectedHeap.hpp and heapInspection.hpp
JDK-8260010	UTF8ZipCoder not thread-safe since JDK-8243469
JDK-8260009	InstanceKlass::has_as_permitted_subclass() fails if subclass was redefined
JDK-8260005	Shenandoah: Remove unused AlwaysTrueClosure in ShenandoahConcurrentRootScanner::roots_do()
JDK-8260004	Shenandoah: Rename ShenandoahMarkCompact to ShenandoahFullGC
JDK-8259995	Missing comma to separate years in copyright header
JDK-8259984	IGV: Crash when drawing control flow before GCM
JDK-8259983	do not use uninitialized expand_ms value in G1CollectedHeap::expand_heap_after_young_collection
JDK-8259978	PPC64 builds broken after JDK-8258004
JDK-8259962	Shenandoah: task queue statistics is inconsistent after JDK-8255019
JDK-8259957	Build failure without C1 Compiler after JDK-8258004
JDK-8259956	jdk.jfr.internal.ChunkInputStream#available should return the sum of remaining available bytes
JDK-8259954	gc/shenandoah/mxbeans tests fail with -Xcomp
JDK-8259949	x86 32-bit build fails when -fcf-protection is passed in the compiler flags
JDK-8259947	(fs) Optimize UnixPath.encode implementation
JDK-8259943	FileDescriptor.close0 does not handle EINTR
JDK-8259942	Enable customizations in CompileJavaModules.gmk and Main.gmk
JDK-8259937	guarantee(loc != NULL) failed: missing saved register with native invoker
JDK-8259928	compiler/jvmci tests fail with -Xint

OpenJDK Patch ID	Synopsis
JDK-8259926	Error in jpackage sample usage in the help text
JDK-8259924	GitHub actions fail on Linux x86_32 with "Could not configure libc6:i386"
JDK-8259922	MethodHandles.collectArguments does not throw IAE if pos is outside the arity range
JDK-8259911	byteArrayViewVarHandle should throw ArrayIndexOutOfBoundsException
JDK-8259905	Compiler treats 'sealed' keyword as 'var' keyword
JDK-8259897	gtest os.dll_address_to_function_and_library_name_vm fails on AIX
JDK-8259894	refactor parts of jvm.h into jvm_io.h and jvm_constants.h
JDK-8259886	Improve SSL session cache performance and scalability
JDK-8259882	Reduce the inclusion of perfData.hpp
JDK-8259870	zBarrier.inline.hpp should not include javaClasses.hpp
JDK-8259869	[macOS] Remove desktop module dependencies on JNF Reference APIs
JDK-8259867	Move encoding checks into ZipCoder
JDK-8259865	(fs) test/jdk/java/nio/file/attribute/UserDefinedFileAttributeView/Basic.java failing on macOS 10.13
JDK-8259863	doc: JShell snippet doesn't compile
JDK-8259862	MutableSpace's end should be atomic
JDK-8259859	Missing metaspace NMT memory tag
JDK-8259851	Use boolean type for tasks in SubTasksDone
JDK-8259849	Shenandoah: Rename store-val to IU-barrier
JDK-8259848	Interim javadoc build does not support platform links
JDK-8259846	[BACKOUT] JDK-8259278 Optimize Vector API slice and unslice operations
JDK-8259845	Move placeholder implementation details to cpp file and add logging
JDK-8259843	initialize dli_fname array before calling dll_address_to_library_name

OpenJDK Patch ID	Synopsis
JDK-8259842	Remove Result cache from StringCoding
JDK-8259839	SystemDictionary exports too much implementation
JDK-8259822	[PPC64] Support the prefixed instruction format added in POWER10
JDK-8259820	JShell does not handle -source 8 properly
JDK-8259816	Typo in java.util.stream package description
JDK-8259814	test/jdk/tools/jlink/plugins/CompressorPluginTest.java has compilation issues
JDK-8259809	Remove PerfEvent class loading locking counters
JDK-8259808	Add JFR event to detect GC locker stall
JDK-8259806	Clean up terminology on the "All Classes" page
JDK-8259801	Enable XML Signature secure validation mode by default
JDK-8259800	timeout in tck test testForkJoin(ForkJoinPool8Test)
JDK-8259799	vmTestbase/nsk/jvmti/Breakpoint/breakpoint001 is incorrect
JDK-8259796	timed CompletableFuture.get may swallow InterruptedException
JDK-8259794	Remove EA from JDK 16 version string starting with Initial RC promotion on Feb 04, 2021 (B35)
JDK-8259786	initialize last parameter of getpwuid_r
JDK-8259778	Merge MutableSpace and ImmutableSpace
JDK-8259777	Incorrect predication condition generated by ADLC
JDK-8259776	Remove ParallelGC non-CAS oldgen allocation
JDK-8259775	[Vector API] Incorrect code-gen for VectorReinterpret operation
JDK-8259773	Incorrect encoding of AVX-512 kmovq instruction
JDK-8259771	Update javadoc search spec to reflect relaxed case sensitivity
JDK-8259765	ZGC: Handle incorrect processor id reported by the operating system
JDK-8259757	add a regression test for 8259353 and 8259601

OpenJDK Patch ID	Synopsis
JDK-8259732	JDK 16 L10n resource file update - msg drop 10
JDK-8259729	Missed JNFInstanceOf \neq IsInstanceOf conversion
JDK-8259727	Remove redundant "target" arguments to methods in Links
JDK-8259726	Use of HashSet leads to undefined order in test output
JDK-8259723	Move Table class to formats.html package
JDK-8259722	ProblemList two jdk/jfr/startupargs tests on Windows
JDK-8259720	ProblemList java/awt/Focus/AppletInitialFocusTest/AppletInitialFocusTest1.java on Windows
JDK-8259719	ProblemList runtime/cds/appcds/jigsaw/modulepath/ModulePathAndCP_JFR.java on Windows
JDK-8259713	Fix comments about ResetNoHandleMark in deoptimization
JDK-8259710	Inlining trace leaks memory
JDK-8259709	Disable SHA-1 XML Signatures
JDK-8259707	LDAP channel binding does not work with StartTLS extension
JDK-8259706	C2 compilation fails with assert(vtable_index == Method::invalid_vtable_index) failed: correct sentinel value
JDK-8259699	Reduce char[] copying in URLCoder.encode(String, Charset)
JDK-8259681	Remove the Marlin rendering engine (single-precision)
JDK-8259679	GitHub actions should use MSVC 14.28
JDK-8259668	Make SubTasksDone use-once
JDK-8259662	Don't wrap SocketExceptions into SSLExceptions in SSLSocketImpl
JDK-8259657	typo in generated HELP page prevents localization
JDK-8259656	fixpath.sh changes broke _NT_SYMBOL_PATH in RunTests.gmk
JDK-8259651	[macOS] Replace JNF_COCOA_ENTER/EXIT macros

OpenJDK Patch ID	Synopsis
JDK-8259650	javax/swing/JComponent/7154030/bug7154030.java still fails with "Exception: Failed to hide opaque button"
JDK-8259645	Revert JDK-8245956 JavaCompiler still uses File API instead of Path API in a specific case
JDK-8259641	C2: assert(early ∇ dominates(LCA)) failed: early is high enough
JDK-8259636	Check for buffer backed by shared segment kicks in in unexpected places
JDK-8259634	MemorySegment::asByteBuffer does not respect spatial bounds
JDK-8259631	Reapply pattern match instanceof use in HttpClientImpl
JDK-8259629	aarch64 builds fail after JDK-8258932
JDK-8259628	jdk/net/ExtendedSocketOption/AsynchronousSocketChannelNAPITest.java fails intermittently
JDK-8259627	Potential memory leaks in JVMTI after JDK-8227745
JDK-8259623	JfrTypeSet::_subsystem_callback is left dangling after use
JDK-8259622	TreeMap.computelfAbsent deviates from spec
JDK-8259619	C1: 3-arg StubAssembler::call_RT stack-use condition is incorrect
JDK-8259601	AArch64: Fix reinterpretX2D match rule issue
JDK-8259586	ProblemList dll_address_to_function_and_library_name
JDK-8259585	[macOS] Bad JNI lookup error : Accessible actions do not work on macOS
JDK-8259584	SuperWord::fix_commutative_inputs checks in_bb(fin1) instead of in_bb(fin2)
JDK-8259583	Remove unused decode_env::_codeBuffer
JDK-8259582	Backout JDK-8237578 until all affected tests have been fixed
JDK-8259580	Shenandoah: uninitialized label in VerifyThreadGCState
JDK-8259577	Dangling reference to temp_path in Java_sun_tools_attach_VirtualMachineImpl_getTempDir
JDK-8259576	Misplaced curly brace in Matcher::find_shared_post_visit

OpenJDK Patch ID	Synopsis
JDK-8259574	SIGSEGV in BFSClosure::closure_impl
JDK-8259570	(macos) tools/jpackage tests fails with 'hdiutil: couldn't eject "disk2" - Resource busy'
JDK-8259569	gtest os.dll_address_to_function_and_library_name_vm fails
JDK-8259565	Zero: compiler/runtime/criticalnatives fails because CriticalJNINatives is not supported
JDK-8259563	The CPU model name is printed multiple times when using -Xlog:os+cpu
JDK-8259560	Zero m68k: "static assertion failed: align" after JDK-8252049
JDK-8259559	COMPARE_BUILD can't compare patch files
JDK-8259539	JDK-8255711 broke trap messages
JDK-8259535	ECDSA SignatureValue do not always have the specified length
JDK-8259530	Generated docs contain MIT/GPL-licenced works without reproducing the licence
JDK-8259528	Broken Link for [java.text.Normalizer.Form]
JDK-8259522	Apply java.io.Serial annotations in java.desktop
JDK-8259519	The java.awt.datatransfer.DataFlavor#ioInputStreamClass field is redundant
JDK-8259517	Incorrect test path in test cases
JDK-8259512	Update --release 16 symbol information for JDK 16 build 31
JDK-8259511	java/awt/Window/MainKeyWindowTest/TestMainKeyWindow.java failed with "RuntimeException: Test failed: 20 failure(s)"
JDK-8259499	Handling type arguments from outer classes for inner class in javadoc
JDK-8259498	Reduce overhead of MD5 and SHA digests
JDK-8259493	[test] Use HexFormat instead of adhoc hex utilities in network code and locale SoftKeys
JDK-8259488	Shenandoah: Missing timing tracking for STW CLD root processing

OpenJDK Patch ID	Synopsis
JDK-8259487	Remove unused StarTask
JDK-8259486	Replace PreserveExceptionMark with implementation for CautiouslyPreserveExceptionMark
JDK-8259485	Document need for short paths when building on Windows
JDK-8259482	jni_Set/GetField_probe are the same as their _nh versions
JDK-8259477	Patterns: Remove unnecessary JLS subsection
JDK-8259475	Fix bad merge in compilerOracle
JDK-8259451	Zero: skip serviceability/sa tests, set vm.hasSA to false
JDK-8259446	runtime/jni/checked/TestCheckedReleaseArrayElements.java fails with stderr not empty
JDK-8259439	Apply java.io.Serial annotations in java.datatransfer
JDK-8259430	C2: assert(in_vt.length() == out_vt.length()) failed: mismatch on number of elements
JDK-8259429	Update reference to README.md
JDK-8259427	Release Note: jarsigner Tool Warns if Weak Algorithms Are Used in Signer's Certificate Chain
JDK-8259404	Shenandoah: Fix time tracking in parallel_cleaning
JDK-8259403	Zero: crash with NULL MethodHandle receiver
JDK-8259401	Add checking to jarsigner to warn weak algorithms used in signer's cert chain
JDK-8259398	Super word not applied to a loop with byteArrayViewVarHandle
JDK-8259397	ThreadsSMRSupport::print_info_on() should use try_lock_without_rank_check()
JDK-8259395	Patching automatic module with additional packages re-creates module without "requires java.base"
JDK-8259392	Zero error reporting is broken after JDK-8255711
JDK-8259385	Cleanup unused assignment

OpenJDK Patch ID	Synopsis
JDK-8259380	Correct pretouch chunk size to cap with actual page size
JDK-8259377	Shenandoah: Enhance weak reference processing time tracking
JDK-8259375	JvmtiExport::jni_Get/SetField_probe calls do not need ResetNoHandleMark
JDK-8259374	Make ThreadInVMfromNative have ResetNoHandleMark
JDK-8259373	c1 and jvmci runtime code use ResetNoHandleMark incorrectly
JDK-8259372	remove AIX related USE_LIBRARY_BASED_TLS_ONLY and THREAD_LOCAL special handling
JDK-8259368	Zero: UseCompressedClassPointers does not depend on UseCompressedOops
JDK-8259359	javac does not attribute unexpected super constructor invocation qualifier, and may crash
JDK-8259354	Fix race condition in AbstractEventStream.nextThreadName
JDK-8259353	VectorReinterpretNode is incorrectly optimized out
JDK-8259350	Add some internal debugging APIs to the debug agent
JDK-8259349	-XX:AvgMonitorsPerThreadEstimate=1 does not work right
JDK-8259343	[macOS] Update JNI error handling in Cocoa code.
JDK-8259339	AllocateUninitializedArray C2 intrinsic fails with void.class input
JDK-8259338	Add expiry exception for identrustdstx3 alias to VerifyCACerts.java test
JDK-8259319	Illegal package access when SunPKCS11 requires SunJCE's classes
JDK-8259317	Remove JVM option BreakAtWarning
JDK-8259316	[REDO] C1/C2 compiler support for blackholes
JDK-8259312	VerifyCACerts.java fails as soneraclass2ca cert will expire in 90 days
JDK-8259298	broken link in Stream::toList spec
JDK-8259291	Cleanup unnecessary local variables
JDK-8259288	Debug build failure with clang-10 due to -Wimplicit-int-float-conversion

OpenJDK Patch ID	Synopsis
JDK-8259287	AbstractCompiler marks const in wrong position for is_c1/is_c2/is_jvmci
JDK-8259283	use new HtmlId and HtmlIds classes
JDK-8259282	Disable MemAccess until JDK-8259276 is fixed
JDK-8259278	Optimize Vector API slice and unslice operations
JDK-8259276	C2: Empty expression stack when reexecuting tableswitch/lookupswitch instructions after deoptimization
JDK-8259275	JRuby crashes while resolving invokedynamic instruction
JDK-8259274	Increase timeout duration in sun/nio/ch/TestMaxCachedBufferSize.java
JDK-8259271	gc/parallel/TestDynShrinkHeap.java still fails "assert(covered_region.contains(new_memregion)) failed: new region is not in covered_region"
JDK-8259268	Refactor InheritIO shell test as java test
JDK-8259267	Refactor LoaderLeak shell test as java test.
JDK-8259266	com/sun/jdi/JdbOptions.java failed with "RuntimeException: 'prop[boo] = >foo 2<' missing from stdout/stderr"
JDK-8259265	Refactor UncaughtExceptions shell test as java test.
JDK-8259252	Shenandoah: Shenandoah build failed on AArch64 after JDK-8258459
JDK-8259242	Remove ProtectionDomainSet_lock
JDK-8259238	Clean up Log.java and remove usage of non-final static variables.
JDK-8259237	Demo selection changes with left/right arrow key. No need to press space for selection.
JDK-8259236	C2 compilation fails with assert(is_power_of_2(value)) failed: value must be a power of 2: 8000000000000000
JDK-8259235	javac crashes while attributing super method invocation
JDK-8259232	Bad JNI lookup during printing
JDK-8259231	Epsilon: improve performance under contention during virtual space expansion

OpenJDK Patch ID	Synopsis
JDK-8259228	Zero: rewrite (put get)field from if-else chains to switches
JDK-8259227	C2 crashes with SIGFPE due to a division that floats above its zero check
JDK-8259224	(ann) getAnnotatedReceiverType should not parameterize owner(s) of statically nested classes
JDK-8259223	Simplify boolean expression in the SunJSSE provider
JDK-8259218	(fs) Add links in from overloaded methods in java.nio.file.Files
JDK-8259216	javadoc omits method receiver for any nested type annotation
JDK-8259214	MetaspaceClosure support for Arrays of MetaspaceObj
JDK-8259213	Vector conversion with part > 0 is not getting intrinsic implementation
JDK-8259075	Update the copyright notice in the files generated by CLDR Converter tool
JDK-8259074	regex benchmarks and tests
JDK-8259070	Add jcmd option to dump CDS
JDK-8259069	Fields could be final
JDK-8259068	Streamline class loader locking
JDK-8259067	bootclasspath append takes out object lock
JDK-8259065	Optimize MessageDigest.getInstance
JDK-8259063	Possible deadlock with vtable/itable creation vs concurrent class unloading
JDK-8259062	Remove MacAppStoreBundler
JDK-8259061	C2: assert(found) failed: memory-writing node is not placed in its original loop or an ancestor of it
JDK-8259050	Error recovery in lexer could be improved
JDK-8259049	Uninitialized variable after JDK-8257513
JDK-8259048	(tz) Upgrade time-zone data to tzdata2020f
JDK-8259045	Exception message from saproc.dll is garbled on Windows with Japanese locale

OpenJDK Patch ID	Synopsis
JDK-8259044	JVM lacks data type qualifier when using -XX:+PrintAssembly with AArch64-Neon backend
JDK-8259043	More Zero architectures need linkage with libatomic
JDK-8259042	Inconsistent use of general primitives loops
JDK-8259037	livenmethods cannot find hsdisk library
JDK-8259036	Failed JfrVersionSystem invariant when VM built with -fno-elide-constructors
JDK-8259035	Comments for load order of hsdisk should be updated
JDK-8259032	MappedMemorySegmentImpl#makeMappedSegment() ignores Unmapper#pagePosition
JDK-8259028	ClassCastException when using custom filesystem with wrapper FileChannel impl
JDK-8259027	NullPointerException in makeMappedSegment due to NULL Unmapper when length of segment is 0
JDK-8259025	Record compact constructor using Objects.requireNonNull
JDK-8259021	SharedSecrets should avoid double racy reads from non-volatile fields
JDK-8259020	null-check of g1 write_ref_field_pre_entry is not necessary
JDK-8259014	(so) ServerSocketChannel.bind(UnixDomainSocketAddress)/SocketChannel.bind(UnixDomainSocketAddress) will have unknown user and group owner (win)
JDK-8259009	G1 heap summary should be shown in "Heap Parameters" window on HSDB
JDK-8259008	ArithmeticException was thrown at "Monitor Cache Dump" on HSDB
JDK-8259007	This test printed a blank page
JDK-8258989	JVM is failed to inline in jdk.internal.vm.vector.VectorSupport::convert
JDK-8258985	Parallel WeakProcessor may use too few threads

OpenJDK Patch ID	Synopsis
JDK-8258972	unexpected compilation error with generic sealed interface
JDK-8258961	move some fields of SafePointNode from public to protected
JDK-8258957	DocLint: check for HTML start element at end of body
JDK-8258956	Memory Leak in StringCoding on ThreadLocal resultCached StringCoding.Result
JDK-8258955	(bf) slice(int, int) on view buffers fails to adjust index according to primitive size
JDK-8258953	AArch64: move NEON instructions to aarch64_neon.ad
JDK-8258946	Fix optimization-unstable code involving signed integer overflow
JDK-8258941	Test specify the Classpath exception in the header
JDK-8258937	Remove JVM IgnoreRewrites flag
JDK-8258932	AArch64: Enhance floating-point Min/MaxReductionV with fminp/fmaxp
JDK-8258925	configure script failed on WSL
JDK-8258924	javax/swing/JSplitPane/4201995/bug4201995.java fails in GTK L&F
JDK-8258917	NativeMemoryTracking is handled by launcher inconsistently
JDK-8258916	javac/doclint reports broken HTML on multiline mailto links
JDK-8258915	Temporary buffer cleanup
JDK-8258914	javax/net/ssl/DTLS/RespondToRetransmit.java timed out
JDK-8258913	ProblemList javax/swing/JComboBox/6559152/bug6559152.java on Linux-X64
JDK-8258912	Remove JVM options CountJNICalls and CountJVMCalls
JDK-8258911	ProblemList serviceability/attach/RemovingUnixDomainSocketTest.java on Linux-X64
JDK-8258908	Remove JVM option CleanChunkPoolAsync
JDK-8258897	Wrong translation of capturing local classes inside nested lambdas
JDK-8258896	Remove the JVM ForceFloatExceptions option

OpenJDK Patch ID	Synopsis
JDK-8258894	C2: Forbid GCM to move stores into loops
JDK-8258884	[TEST_BUG] Convert applet-based test open/test/jdk/javawx/swing/JMenuItem/8031573/bug8031573.java to a regular java test
JDK-8258857	Zero: non-PCH release build fails after JDK-8258074
JDK-8258856	VM build without C1/C2 fails after JDK-8243205
JDK-8258855	Two tests sun/security/krb5/auto/ReplayCacheTestProc.java and ReplayCacheTestProcWithMD5.java failed on OL8.3
JDK-8258853	Support separate function declaration and definition with ENABLE_IF-based SFINAE
JDK-8258852	Arrays.asList() for single item could be replaced with List.of()
JDK-8258851	Mismatch in SunPKCS11 provider registration properties and actual implementation
JDK-8258839	Remove JVM option ExitVMOnVerifyError
JDK-8258838	Remove JVM option UseStackBanging
JDK-8258837	Remove JVM option DisableStartThread
JDK-8258836	JNI local refs exceed capacity getDiagnosticCommandInfo
JDK-8258833	Cancel multi-part cipher operations in SunPKCS11 after failures
JDK-8258832	ProblemList com/sun/jdi/AfterThreadDeathTest.java on Linux-X64
JDK-8258828	The method local variable is not really used
JDK-8258827	ProblemList Naming/DefaultRegistryPort.java and Naming/legalRegistryNames/LegalRegistryNames.java on Windows
JDK-8258813	[TESTBUG] Fix incorrect Vector API test output message
JDK-8258810	Improve enum traits
JDK-8258805	Japanese characters not entered by mouse click on Windows 10
JDK-8258804	Collection.toArray() should use empty array

OpenJDK Patch ID	Synopsis
JDK-8258802	ProblemList TestJstatdDefaults.java, TestJstatdRmiPort.java, and TestJstatdServer.java
JDK-8258800	Deprecate -XX:+AlwaysLockClassLoader
JDK-8258799	[TESTBUG] RandomCommandsTest must check if tested directive is added via jcmd
JDK-8258796	[test] Apply HexFormat to tests for java.security
JDK-8258795	Update IANA Language Subtag Registry to Version 2021-05-11
JDK-8258794	Support for CLDR version 39
JDK-8258792	LogCompilation: remove redundant check fixed by 8257518
JDK-8258790	C2: Crash on empty macro node list
JDK-8258788	incorrect response to change in window insets [[anai]
JDK-8258772	Some runtime/cds tests fail with +LogCompilation or +StressX
JDK-8258755	jpackage: Invalid 32-bit exe when building app-image
JDK-8258753	StartTlsResponse.close() hangs due to synchronization issues
JDK-8258751	Improve ExceptionHandlerTable dump
JDK-8258746	illegal access to global field _jvnci_old_thread_counters by terminated thread causes crash
JDK-8258742	Move PtrQueue reset to PtrQueueSet subclasses
JDK-8258736	No break in the loop
JDK-8258732	runtime/cds/appcds/dynamicArchive/DynamicArchiveRelocationTest.java fails
JDK-8258715	[JVMCI] separate JVMCI code install timers for CompileBroker and hosted compilations
JDK-8258714	Shenandoah: Process references before evacuation during degen
JDK-8258703	Incorrect 512-bit vector registers restore on x86_32

OpenJDK Patch ID	Synopsis
JDK-8258696	Temporarily revert use of pattern match instanceof until docs-reference is fixed
JDK-8258687	Build broken on Windows after fix for JDK-8258134
JDK-8258682	compiler/intrinsics/mathexact/sanity tests fail with RepeatCompilation
JDK-8258662	JDK 17ea: Crash compiling instanceof check involving sealed interface
JDK-8258661	Inner class ResponseCacheEntry could be static
JDK-8258659	Eliminate whitespace comments from generated pages
JDK-8258657	Doc build is broken by use of new language features
JDK-8258655	remove <code>␣- NewPage -␣</code> comment from generated pages
JDK-8258653	CallJavaNode::_bci is not in use
JDK-8258652	Assert in JvmtiThreadState::cur_stack_depth() can noticeably slow down debugging single stepping
JDK-8258647	TestCharVect2 is very slow
JDK-8258645	Bring Jemmy 1.3.11 to JDK test base
JDK-8258643	[TESTBUG] javax/swing/JComponent/7154030/bug7154030.java failed with "Exception: Failed to hide opaque button"
JDK-8258631	Remove sun.security.jgss.krb5.Krb5Util.getSubject()
JDK-8258630	Add expiry exception for QuoVadis root certificate
JDK-8258629	Release Note: Updated Specifications of KeyStoreSpi.engineStore(KeyStore.LoadStoreParameter) and KeyStore.store(KeyStore.LoadStoreParameter) Methods
JDK-8258625	[JVMCI] refactor and unify JVMCI readFieldValue path
JDK-8258606	os::print_signal_handlers() should resolve the function name of the handlers
JDK-8258602	JavaDoc field summary does not indicate final modifier
JDK-8258593	remove redundant codes in HeapObjectDumper

OpenJDK Patch ID	Synopsis
JDK-8258584	java/util/HexFormat/HexFormatTest.java fails on x86_32
JDK-8258582	HttpClient: the HttpClient doesn't explicitly shutdown its default executor when stopping.
JDK-8258576	Try to get zerobased CCS if heap is above 32 and CDS is disabled
JDK-8258558	Revert changes for JDK-8252505 and related issues
JDK-8258557	Deproblemlist fixed problemlisted test
JDK-8258554	javax/swing/JTable/4235420/bug4235420.java fails in GTK L&F
JDK-8258553	Limit number of fields in instance to be considered for scalar replacement
JDK-8258535	jvm.ClassReader should set the accessor to the corresponding record component
JDK-8258534	Epsilon: clean up unused includes
JDK-8258525	Some existing tests should use /nodynamiccopyright/ instead of the standard header
JDK-8258524	Instrumented EventHandler calls private instance method EventWriter.reset
JDK-8258515	javac should issue an error if an annotation is nested in a local class or interface
JDK-8258514	Replace Collections.unmodifiableList with List.of
JDK-8258508	Merge G1RedirtyCardsQueue into qset
JDK-8258505	[TESTBUG] TestDivZeroWithSplitIf.java fails due to missing UnlockDiagnosticVMOptions
JDK-8258490	Shenandoah: Full GC does not need to remark threads and drain SATB buffers
JDK-8258484	AIX build fails in Harfbuzz with XLC 16.01.0000.0006
JDK-8258481	gc.g1.plab.TestPLABPromotion fails on Linux x86
JDK-8258479	Minor cleanups in VMError
JDK-8258471	"search codecache" clhsdb command does not work

OpenJDK Patch ID	Synopsis
JDK-8258469	Cleanup remaining safefetch test coding
JDK-8258460	Remove --doclint-format option from javac
JDK-8258459	Decouple gc_globals.hpp from globals.hpp
JDK-8258457	testlibrary_tests/ctw/JarDirTest.java fails with InvalidPathException on windows
JDK-8258455	problem list tools/jdeprscan/tests/jdk/jdeprscan/TestRelease.java
JDK-8258449	Move make/hotspot/symbols to make/data
JDK-8258447	Move make/hotspot/hotspot.script to make/scripts
JDK-8258445	Move make/templates to make/data
JDK-8258444	Clean up specifications of java.io.Reader.read(char[],int,int) in subclass overrides
JDK-8258443	doclint should be service-loaded with system class loader
JDK-8258438	build error in test/hotspot/gtest/runtime/test_os.cpp
JDK-8258427	Problem List some tests related to FileDialog for MacOS
JDK-8258426	Split up autoconf/version-numbers and move it to conf dir
JDK-8258422	Cleanup unnecessary null comparison before instanceof check in java.base
JDK-8258421	(jdeprscan) tools/jdeprscan/tests/jdk/jdeprscan/TestRelease.java failed with "error: cannot access jdk.internal.ValueBased"
JDK-8258420	Move URL configuration from Docs.gmk to conf dir
JDK-8258419	RSA cipher buffer cleanup
JDK-8258415	gtest for committed memory leaks reservation
JDK-8258414	OldObjectSample events too expensive
JDK-8258411	Move module set configuration from Modules.gmk to conf dir
JDK-8258408	SystemDictionary passes TRAPS to functions that don't throw exceptions
JDK-8258407	Split up CompileJavaModules.gmk into make/modules/\$M/Java.gmk

OpenJDK Patch ID	Synopsis
JDK-8258404	Restore stacktrace reuse after 8258094
JDK-8258396	SIGILL in <code>jdk.jfr.internal.PlatformRecorder.rotateDisk()</code>
JDK-8258393	Shenandoah: "graph should be schedulable" assert failure
JDK-8258384	AArch64: SVE <code>verify_ptrue</code> fails on some tests
JDK-8258383	<code>vmTestbase/gc/g1/unloading/tests/unloading_compilation_level[1,2,3]</code> time out without TieredCompilation
JDK-8258382	Fix optimization-unstable code involving pointer overflow
JDK-8258380	[JVMCI] don't clear <code>InstalledCode</code> reference when unloading JVMCI nmethods
JDK-8258378	Final <code>nroff</code> manpage update for JDK 16
JDK-8258373	Update the text handling in the <code>JPasswordField</code>
JDK-8258338	Support deprecated records
JDK-8258293	<code>tools/jpackage/share/RuntimePackageTest.java#id0</code> with <code>RuntimePackageTest.testUsrInstallDir2</code>
JDK-8258284	clean up issues with nested <code>ThreadsListHandles</code>
JDK-8258272	<code>LoadVectorMaskedNode</code> can't be replaced by zero con
JDK-8258259	Unicode linebreak matching behavior is incorrect; backout <code>JDK-8235812</code>
JDK-8258255	Move <code>PtrQueue</code> active flag to <code>SATBMarkQueue</code>
JDK-8258254	Move <code>PtrQueue</code> flush to <code>PtrQueueSet</code> subclasses
JDK-8258252	Move <code>PtrQueue</code> enqueue to <code>PtrQueueSet</code> subclasses
JDK-8258244	Shenandoah: Not expecting forwarded object in roots during mark after <code>JDK-8240868</code>
JDK-8258243	C2: assert failed ("Bad derived pointer") with <code>-XX:+VerifyRegisterAllocator</code>
JDK-8258242	Type profile pollution occurs when memory segments of different kinds are used
JDK-8258239	Shenandoah: Used wrong closure to mark concurrent roots

OpenJDK Patch ID	Synopsis
JDK-8258236	Segfault in ClassListParser::resolve_indy dumping static AppCDS archive
JDK-8258233	Reenable another fixed problemlisted test
JDK-8258225	compiler/c2/cr6340864/TestIntVect.java runs faster in interpreter
JDK-8258217	PriorityBlockingQueue constructor spec and behavior mismatch
JDK-8258197	security/infra/sun/security/ec/BCCurveTest.java failed with cannot access class sun.security.x509.X509CertInfo
JDK-8258187	IllegalMonitorStateException in ArrayBlockingQueue
JDK-8258186	Replace use of JNI_COMMIT mode with mode 0
JDK-8258185	[JNI] Clarify the specification in relation to portable use of APIs that involve the Primitive Array Release Modes
JDK-8258143	Update --release 16 symbol information for JDK 16 build 30 or later
JDK-8258142	Simplify G1RedirtyCardsQueue
JDK-8258140	Update @jls tags in java.base for renamed/renumbered sections
JDK-8258134	assert(size == calc_size) failed: incorrect size calculation on x86_32 with AVX512 machines
JDK-8258111	Problemlist compiler/blackhole tests for -Xcomp until JDK-8258101 is fixed
JDK-8258094	AIX build fails after 8257602
JDK-8258092	Link to early access platform documentation in TestHtmlTableTags.java
JDK-8258077	Using -Xcheck:jni can lead to a double-free after JDK-8193234
JDK-8258075	Use auto variable declarations for enum iteration
JDK-8258074	Move some flags related to compiler to compiler_globals.hpp
JDK-8258073	x86_32 build broken after JDK-8257731
JDK-8258065	ProblemList JfrGTestAdaptiveSampling
JDK-8258061	Improve diagnostic information about errors during class redefinition
JDK-8258060	Update @jls tags for renamed/renumbered sections

OpenJDK Patch ID	Synopsis
JDK-8258059	Clean up MethodData::profile_unsafe
JDK-8258058	improve description of OutOfMemoryError relevant flags
JDK-8258057	serviceability/attach/RemovingUnixDomainSocketTest.java doesn't ignore VM warnings
JDK-8258056	jdk/javadoc/doclet/testHtmlTableTags/TestHtmlTableTags.java fails against jdk17
JDK-8258054	runtime/sealedClasses/GetPermittedSubclassesTest.java fails w/ jdk17
JDK-8258048	Placeholder hash code is the same as Dictionary hash code
JDK-8258040	Reenable fixed problemlisted test
JDK-8258018	Remove arrayOop.inline.hpp
JDK-8258015	[JVMCI] JVMCI_lock shouldn't be held while initializing box classes
JDK-8258010	Debug build failure with clang-10 due to -Wdeprecated-copy
JDK-8258007	Add instrumentation to NativeLibraryTest
JDK-8258006	Replaces while cycles with iterator with enhanced for in java.desktop
JDK-8258004	Remove unnecessary inclusion of vm_version.hpp
JDK-8258002	Update "type" terminology in generated docs
JDK-8257999	Parallel GC crash in gc/parallel/TestDynShrinkHeap.java: new region is not in covered_region
JDK-8257995	[TEST_BUG] Add JPackage java manual test to verify publisher has been set
JDK-8257988	Remove JNF dependency from libsaproc/MacosxDebuggerLocal.m
JDK-8257985	count_trailing_zeros doesn't handle 64-bit values on 32-bit JVM
JDK-8257974	Regression 21% in DaCapo-lusearch-large after JDK-8236926
JDK-8257971	(fs) Remove unused code from WindowsPath.subpath(begin, end)
JDK-8257970	Remove jlong types in os::limit_heap_by_allocatable_memory

OpenJDK Patch ID	Synopsis
JDK-8257966	Instrument test/jdk/java/nio/channels/spi/SelectorProvider/inheritedChannel/StateTestService.java
JDK-8257964	Broken Calendar#getMinimalDaysInFirstWeek with java.locale.providers=HOST
JDK-8257959	Add gtest run with -XX:+UseLargePages
JDK-8257928	Test image build failure with clang-10 due to -Wmisleading-indentation
JDK-8257925	Enable more support for nested inline tags
JDK-8257919	[JVMCI] profiling info didn't change after reprofile
JDK-8257913	Add more known library locations to simplify Linux cross-compilation
JDK-8257912	Convert enum iteration to use range-based for loops
JDK-8257910	[JVMCI] Set exception_seen accordingly in the runtime.
JDK-8257906	JFR: RecordingStream leaks memory
JDK-8257882	Implement linkToNative intrinsic on AArch64
JDK-8257860	[macOS]: Remove JNF dependency from libosxkrb5/SCDynamicStoreConfig.m
JDK-8257858	[macOS]: Remove JNF dependency from libosxsecurity/KeystoreImpl.m
JDK-8257853	Remove dependencies on JNF's JNI utility functions in AWT and 2D code
JDK-8257836	Add additional test cases to TestSyncOnValueBasedClassEvent.java
JDK-8257831	Suspend with handshakes
JDK-8257828	SafeFetch may crash if invoked in non-JavaThreads
JDK-8257822	C2 crashes with SIGFPE due to a division that floats above its zero check
JDK-8257815	Replace global log2 functions with efficient implementations
JDK-8257809	JNI warnings from Toolkit JPEG image decoding

OpenJDK Patch ID	Synopsis
JDK-8257804	Test runtime/modules/ModuleStress/ModuleStressGC.java fails: 'package test defined in module jdk.test, exports list being walked' missing from stdout/stderr
JDK-8257802	LogCompilation throws couldn't find bytecode on JDK 8 log
JDK-8257800	CompileCommand TypedMethodOptionMatcher::parse_method_pattern() may over consume
JDK-8257774	G1: Trigger collect when free region count drops below threshold to prevent evacuation failures
JDK-8257772	Vectorizing clear memory operation using AVX-512 masked operations
JDK-8257746	Regression introduced with JDK-8250984 - memory might be null in some machines
JDK-8257740	Compiler crash when compiling type annotation on multicatch inside lambda
JDK-8257736	InputStream from BodyPublishers.ofInputStream() leaks when IOE happens
JDK-8257731	Remove excessive include of stubRoutines.hpp
JDK-8257726	Make -XX:+StressLdcRewrite option a diagnostic option
JDK-8257709	C1: Double assignment in InstructionPrinter::print_stack
JDK-8257700	Add logging for sealed classes in JVM_GetPermittedSubclasses
JDK-8257676	Simplify WeakProcessorPhase
JDK-8257671	ThreadPoolExecutor.Discard*Policy: rejected tasks are not cancelled
JDK-8257664	HTMLToolkit: Wrong CSS relative font sizes
JDK-8257637	Update usage of "type" terminology in java.lang.annotation
JDK-8257636	Update usage of "type" terminology in java.lang.Class and java.lang.reflect
JDK-8257621	JFR StringPool misses cached items across consecutive recordings
JDK-8257620	Do not use objc_msgSend_stret to get macOS version

OpenJDK Patch ID	Synopsis
JDK-8257598	Clarify what component values are used in Record::equals
JDK-8257596	Clarify trusted final fields for record classes
JDK-8257584	[macos] NullPointerException originating from LWCToolkit.java
JDK-8257569	Failure observed with JfrVirtualMemory::initialize
JDK-8257530	vmTestbase/metaspace/stressDictionary/StressDictionary.java timed out
JDK-8257521	runtime/logging/MonitorInflationTest.java crashed in MonitorList::unlink_deflated
JDK-8257513	C2: assertconstant_addr - _masm.code()&const()&start(== con.offset())
JDK-8257500	Drawing MultiResolutionImage with ImageObserver "leaks" memory
JDK-8257498	Remove useless skeleton predicates
JDK-8257497	Update keytool to create AKID from the SKID of the issuing certificate as specified by RFC 5280
JDK-8257468	runtime/whitebox/TestWBDeflateIdleMonitors.java fails with Monitor should be deflated.: expected true to equal false
JDK-8257459	Bump minimum boot jdk to JDK 16
JDK-8257458	4.1: Allow v61.0 class files for Java SE 17
JDK-8257457	Update --release 16 symbol information for JDK 16 build 28
JDK-8257453	Add source 17 and target 17 to javac
JDK-8257451	Add SourceVersion.RELEASE_17
JDK-8257450	Start of release updates for JDK 17
JDK-8257414	Drag n Drop target area is wrong on high DPI systems
JDK-8257236	can't use var with a class named Z
JDK-8257234	Add gz option to SA jmap to write a gzipped heap dump
JDK-8257229	gtest death tests fail with unrecognized stderr output
JDK-8257215	JFR: Events dropped when streaming over a chunk rotation

OpenJDK Patch ID	Synopsis
JDK-8257212	(bf spec) Clarify byte order of the buffer returned by CharBuffer.subsequence(int,int)
JDK-8257204	Remove usage of -Xhtmlversion option from javac
JDK-8257147	[TESTBUG] Set a larger default loop count for the VectorAPI jtreg tests
JDK-8257145	Performance regression with -XX:-ResizePLAB after JDK-8079555
JDK-8257137	Revise smov and umov in aarch64 assembler
JDK-8257086	Clarify differences between {Float, Double}.equals and ==
JDK-8257074	Update the ByteBuffers micro benchmark
JDK-8257037	No javac warning when calling deprecated constructor with diamond
JDK-8256973	Intrinsic creation for VectorMask query (lastTrue,firstTrue,trueCount) APIs
JDK-8256955	Move includes of events.hpp out of header files
JDK-8256934	C2: assert(C▯live_nodes() ≤ C▯max_node_limit()) failed: Live Node limit exceeded limit
JDK-8256919	BCEL: Utility.encode forget to close
JDK-8256895	Add support for RFC 8954: Online Certificate Status Protocol (OCSP) Nonce Extension
JDK-8256843	[PPC64] runtime/logging/RedefineClasses.java fails with assert: registers not saved on stack
JDK-8256814	WeakProcessorPhases may be redundant
JDK-8256732	Zero: broken +ZeroTLAB exposes badly initialized memory
JDK-8256717	Expire the long term obsoleted VM flags
JDK-8256693	getAnnotatedReceiverType parameterizes types too eagerly
JDK-8256641	CDS VM operations do not lock the heap
JDK-8256535	C2: randomize CCP processing order for stress testing
JDK-8256465	[macos] Java frame and dialog presented full screen freeze application
JDK-8256438	AArch64: Implement match rules with ROR shift register value

OpenJDK Patch ID	Synopsis
JDK-8256431	[PPC64] Implement Base64 encodeBlock() for Power64-LE
JDK-8256424	Move ciSymbol::symbol_name() to ciSymbols::symbol_name()
JDK-8256421	Add 2 HARICA roots to cacerts truststore
JDK-8256417	Exclude TestJFRWithJMX test from running with PodMan
JDK-8256372	[macos] Unexpected symbol was displayed on JTextField with Monospaced font
JDK-8256321	Some "inactive" color profiles use the wrong profile class
JDK-8256313	JavaCompilation.gmk needs to be updated not to use --doclint-format html5 option
JDK-8256312	Valid anchor 'id' value not allowed
JDK-8256304	should MonitorUsedDeflationThreshold be experimental or diagnostic
JDK-8256301	ObjectMonitor::is_busy() should return bool
JDK-8256298	Shenandoah: Enable concurrent stack processing
JDK-8256266	Binding variables don't correctly support declaration annotations and the final modifier
JDK-8256245	AArch64: Implement Base64 decoding intrinsic
JDK-8256215	Shenandoah: re-organize saving/restoring machine state in assembler code
JDK-8256213	Remove os::split_reserved_memory
JDK-8256156	JFR: Allow 'jfr' tool to show metadata without a recording
JDK-8256155	Allow multiple large page sizes to be used on Linux
JDK-8256126	Create implementation for NSAccessibilityImage protocol peer
JDK-8256111	Create implementation for NSAccessibilityStaticText protocol
JDK-8256110	Create implementation for NSAccessibilityStepper protocol
JDK-8256109	Create implementation for NSAccessibilityButton protocol
JDK-8256019	JLabel HTML text does not support translucent text colors

OpenJDK Patch ID	Synopsis
JDK-8255917	runtime/cds/SharedBaseAddress.java failed "assert(reserved_rgn != 0LL) failed: No reserved region"
JDK-8255915	jdk/incubator/vector/AddTest.java timed out
JDK-8255899	Allow uninstallation of jpackage exe bundles
JDK-8255880	UI of Swing components is not redrawn after their internal state changed
JDK-8255867	SignatureScheme JSSE property does not preserve ordering in handshake messages
JDK-8255859	Incorrect comments in log.hpp
JDK-8255837	Shenandoah: Remove ShenandoahConcurrentRoots class
JDK-8255800	Raster creation methods need some specification clean up
JDK-8255790	GTKL&F: Java 16 crashes on initialising GTKL&F on Manjaro Linux
JDK-8255776	Change build system for macOS/AArch64
JDK-8255765	Shenandoah: Isolate concurrent, degenerated and full GC
JDK-8255763	C2: OSR miscompilation caused by invalid memory instruction placement
JDK-8255757	Javac emits duplicate pool entries on array::clone
JDK-8255729	com.sun.tools.javac.processing.JavacFiler.FilerOutputStream is inefficient
JDK-8255710	Opensource unit/regression tests for CMM
JDK-8255674	SSL Engine class description is missing "case" in switch statement
JDK-8255661	TestHeapDumpOnOutOfMemoryError fails with EOFException
JDK-8255583	Investigate creating a test to trigger the condition in KeepAliveStreamCleaner
JDK-8255566	Add size validation when parsing values from VersionProps
JDK-8255557	Decouple GCM from CipherCore
JDK-8255531	MethodHandles::permuteArguments throws NPE when duplicating dropped arguments

OpenJDK Patch ID	Synopsis
JDK-8255493	Support for pre-generated java.lang.invoke classes in CDS dynamic archive
JDK-8255477	Remove unused method URL.set(String protocol, String host, int port, String file, String ref)
JDK-8255464	Cannot access ModuleTree in a CompilationUnitTree
JDK-8255410	Add ChaCha20 and Poly1305 support to SunPKCS11 provider
JDK-8255381	com/sun/jdi/EATests.java should not suspend graal threads
JDK-8255355	Test Plan for JEP 356: Enhanced Pseudo-Random Number Generators
JDK-8255348	NPE in PKIXCertPathValidator event logging code
JDK-8255273	jshell crashes with UnsupportedOperationException: Should not get here.
JDK-8255264	Support for identifying the full range of IPv4 localhost addresses on Windows
JDK-8255255	Update Apache Santuario (XML Signature) to version 2.2.1
JDK-8255227	java/net/httpclient/FlowAdapterPublisherTest.java intermittently failing with TestServer: start exception: java.io.IOException: Invalid preface
JDK-8255216	Change _directive BreakAtCompileOption to env() break_at_compile()
JDK-8255148	Confusing log output: SSLSocket duplex close failed
JDK-8255120	C2: assert(outer outcnt() >=phis + 2 && outer outcnt() < phis + 2 + stores + 1) failed: only phis
JDK-8255059	Regressions >5% in all Javadoc benchmarks in 16-b19
JDK-8255035	Update BCEL to Version 6.5.0
JDK-8255019	Shenandoah: Split STW and concurrent mark into separate classes
JDK-8254979	Class.getSimpleName() returns non-empty for lambda and method
JDK-8254973	CompletableFuture.ThreadPerTaskExecutor does not throw NPE in #execute
JDK-8254942	Update the JAR file spec on EC and RSA signature block types

OpenJDK Patch ID	Synopsis
JDK-8254941	Implement Serviceability Agent for macOS/AArch64
JDK-8254850	Update terminology in java.awt.GridBagLayout source code comments
JDK-8254717	isAssignableFrom checks in KeyFactorySpi.engineGetKeySpec appear to be backwards
JDK-8254702	jpackage app launcher crashes on CentOS
JDK-8254598	StringDedupTable should use OopStorage
JDK-8254571	Erroneous generic type inference in a lambda expression with a checked exception
JDK-8254565	JFR: Incorrect verification of mirror events
JDK-8254350	CompletableFuture.get may swallow InterruptedException
JDK-8254246	SymbolHashMapEntry wastes space
JDK-8254239	G1ConcurrentMark.hpp unnecessarily disables MSVC++ warning 4522.
JDK-8254196	jshell infinite loops when startup script contains System.exit call
JDK-8254129	IR Test Framework to support regex-based matching on the IR in JTreg compiler tests
JDK-8254050	HotSpot Style Guide should permit using the "override" virtual specifier
JDK-8254024	Enhance native libs for AWT and Swing to work with GraalVM Native Image
JDK-8254023	A module declaration is not allowed to be a target of an annotation that lacks an @Target meta-annotation
JDK-8254001	[Metrics] Enhance parsing of cgroup interface files for version detection
JDK-8253996	Javac error on jdk16 build 18: invalid flag: -Xdoclint:-missing
JDK-8253954	javac crash when compiling code with enhanced switch expressions with option -Xjcov
JDK-8253940	com/sun/jdi/JdwpAttachTest.java failed with "RuntimeException: ERROR: LingeredApp.startApp was able to attach"

OpenJDK Patch ID	Synopsis
JDK-8253910	UseCompressedClassPointers depends on UseCompressedOops in vmError.cpp
JDK-8253881	Hotspot/Serviceability Terminology Refresh
JDK-8253866	Security Libs Terminology Refresh
JDK-8253839	Update tests and JDK code for macOS/Aarch64
JDK-8253819	Implement os/cpu for macOS/AArch64
JDK-8253818	Support macOS Aarch64 ABI for compiled wrappers
JDK-8253817	Support macOS Aarch64 ABI in Interpreter
JDK-8253816	Support macOS W^X
JDK-8253797	[cgroups v2] Account for the fact that swap accounting is disabled on some systems
JDK-8253795	Implementation of JEP 391: macOS/AArch64 Port
JDK-8253702	BigSur version number reported as 10.16, should be 11.nn
JDK-8253635	Implement toString() for SSLEngineImpl
JDK-8253505	JFR: onFlush invoked out of order with a sorted event stream
JDK-8253497	Core Libs Terminology Refresh
JDK-8253478	(se) epoll Selector should use eventfd for wakeup instead of pipe
JDK-8253420	Refactor HeapRegionManager::find_highest_free
JDK-8253409	Double-rounding possibility in float fma
JDK-8253368	TLS connection always receives close_notify exception
JDK-8253353	Crash in C2: guarantee(n != NULL) failed: No Node
JDK-8253266	JList and JTable constructors should clear OPAQUE_SET before calling updateUI
JDK-8253100	Fix "no comment" warnings in java.base/java.net
JDK-8252971	WindowsFileAttributes does not know about Unix domain sockets
JDK-8252883	AccessDeniedException caused by delayed file deletion on Windows

OpenJDK Patch ID	Synopsis
JDK-8252831	Correct "no comment" warnings in jdk.net module
JDK-8252758	Lanai: Optimize index calculation while copying glyphs
JDK-8252723	Run stack016.java also with C2-only
JDK-8252709	Enable JVMCI when building linux-aarch64 at Oracle
JDK-8252685	APIs that require JavaThread should take JavaThread arguments
JDK-8252657	JVMTI agent is not unloaded when Agent_OnAttach is failed
JDK-8252600	[JVMCI] remove mx configuration
JDK-8252545	runtime/ErrorHandling/TestHeapDumpOnOutOfMemoryError.java timed out
JDK-8252530	Fix inconsistencies in hotspot whitebox
JDK-8252476	as_Worker_thread() doesn't check what it intends
JDK-8252412	[macos11] system dynamic libraries removed from filesystem
JDK-8252409	JShell: Intersection types cause NoSuchFieldError
JDK-8252399	Update mapMulti documentation to use type test pattern instead of instanceof once JEP 375 exits preview
JDK-8252372	Check if cloning is required to move loads out of loops in PhaseldealLoop::split_if_with_blocks_post()
JDK-8252237	C2: Call to compute_separating_interferences has wrong argument order
JDK-8252173	Use handles instead of jobject in modules.cpp
JDK-8252148	vmError::controlled_crash should be #ifdef ASSERT and move tests to gtest
JDK-8252089	Remove psParallelCompact internal debug counters
JDK-8252055	Use java.util.HexFormat in java.security
JDK-8252015	[macos11] java.awt.TrayIcon requires updates for template images
JDK-8251989	Hex formatting and parsing utility

OpenJDK Patch ID	Synopsis
JDK-8251944	Add Shenandoah test config to compiler/gcbarriers/UnsafeIntrinsicsTest.java
JDK-8251942	PrintStream specification is not clear which flush method is automatically invoked
JDK-8251462	Simplify compilation policy
JDK-8251438	Issues with our POSIX set_signal_handler()
JDK-8251392	Consolidate Metaspace Statistics
JDK-8251377	[macos11] JTabbedPane selected tab text is barely legible
JDK-8251210	Link JDK api docs to other versions
JDK-8251200	False positive messages about missing comments for serialization
JDK-8251036	SwingSet2 - Dragging internal frame inside JFrame leaves artifacts with MetalLookAndFeel
JDK-8250989	Consolidate buffer allocation code for CDS static/dynamic dumping
JDK-8250903	jdk/jfr/javaagent/TestLoadedAgent.java fails with Mismatch in TestEvent count
JDK-8250804	Can't set the application icon image for Unity WM on Linux.
JDK-8250768	javac should be adapted to changes in JEP 12
JDK-8250766	javadoc adds redundant spaces when @see program element is wrapped
JDK-8250658	Performance of ClipFlatOval Renderperf test is very low
JDK-8250624	JLS changes for Pattern Matching for instanceof (Final)
JDK-8250565	Remove terminally deprecated constructor in java.net.URLDecoder
JDK-8250564	Remove terminally deprecated constructor in GSSUtil
JDK-8250523	Remove abortOnException diagnostic option from TestHumongousNonArrayAllocation.java
JDK-8249903	jdk/javadoc/doclet/testSerializedForm/TestSerializedForm.java needs to be updated after 8146022 got closed

OpenJDK Patch ID	Synopsis
JDK-8249899	jdk/javadoc/tool/InlineTagsWithBraces.java uses @ignore w/o bug-id
JDK-8249898	jdk/javadoc/tool/6176978/T6176978.java uses @ignore w/o bug-id
JDK-8249897	jdk/javadoc/tool/LangVers.java uses @ignore w/o bug-id
JDK-8249867	XML declaration is not followed by a newline
JDK-8249646	Runtime.exec(String, String[], File) documentation contains literal {@link ... }
JDK-8249633	doclint reports missing javadoc for JavaFX property methods that have a property description
JDK-8249528	Remove obsolete comment in G1RootProcessor::process_java_roots
JDK-8249395	(macos) jpackage tests timeout on MacPro5_1 systems
JDK-8249262	Initialize InstanceKlass::_package_entry during CDS dump time
JDK-8249245	assert(((JfrTraceIdBits::load(klass & JfrTraceIdEpoch::this_epoch_method_and_class_bits()) != 0))) failed: invariant
JDK-8248904	Add support to jpackage for the Mac App Store
JDK-8248877	Document API contract for MetaspaceObj subtypes
JDK-8248876	LoadObject with bad base address created for exec file on linux
JDK-8248862	Implement Enhanced Pseudo-Random Number Generators
JDK-8248843	java in source-file mode suggests javac-only options
JDK-8248418	jpackage fails to extract main class and version from app module linked in external runtime
JDK-8248383	Clarify java.io.Reader.read(char[], ...) behavior for full array
JDK-8248318	Remove superfluous use of boxing in ObjectOutputStream
JDK-8248314	Parallel: Parallelize parallel full gc Adjust Roots phase
JDK-8248268	Support KWP in addition to KW
JDK-8248223	KeyAgreement spec update on multi-party key exchange support

OpenJDK Patch ID	Synopsis
JDK-8248162	serviceability/attach/RemovingUnixDomainSocketTest.java failed
JDK-8247994	Localize javadoc search
JDK-8247957	remove doclint support for HTML 4
JDK-8247918	Clarify Reader.skip behavior for end of stream
JDK-8247895	SHA1PRNGReseed.java is calling setSeed(0)
JDK-8247869	Change NONCOPYABLE to delete the operations
JDK-8247732	validate user-input intrinsic_ids in ControlIntrinsic
JDK-8247608	Javadoc: CSS margin is not applied consistently
JDK-8247514	Improve clhsdb 'findpc' ability to determine what an address points to by improving PointerFinder and PointerLocation classes
JDK-8247403	JShell: No custom input (e.g. from GUI) possible with JavaShellToolBuilder
JDK-8247402	Documentation for Map::compute contains confusing implementation requirements
JDK-8247373	ArraysSupport.newLength doc, test, and exception message
JDK-8247370	Clean up unused printing code in awt_PrintJob.cpp
JDK-8246788	ZoneRules invariants can be broken
JDK-8246677	LinkedTransferQueue and SynchronousQueue synchronization updates
JDK-8246585	ForkJoin updates
JDK-8246494	introduce vm.flagless at-requires property
JDK-8246351	<code> elements in headings are of incorrect size
JDK-8246112	Remove build-time and run-time checks for clock_gettime and CLOCK_MONOTONIC
JDK-8246005	KeyStoreSpi::engineStore(LoadStoreParameter) spec mismatch to its behavior

OpenJDK Patch ID	Synopsis
JDK-8245922	[macos] Taskbar.Feature.ICON_BADGE_NUMBER no longer supported on MacOS
JDK-8245025	MoveAndUpdateClosure::do_addr calls function with side-effects in an assert
JDK-8244540	Print more information with -XX:+PrintSharedArchiveAndExit
JDK-8244535	JavaDoc search is overly strict with letter case
JDK-8244190	JFR: When starting a JVM with -XX:StartFlightRecording, output is written to stdout
JDK-8244146	javac changes for JEP 306
JDK-8244144	JVMS changes for Restore Always-Strict Floating-Point Semantics
JDK-8244143	JLS changes for Restore Always-Strict Floating-Point Semantics
JDK-8243455	Many SA tests can fail due to trying to get the stack trace of an active method
JDK-8243287	Removal of Unsafe::defineAnonymousClass
JDK-8243205	Modularize JVM flags declaration
JDK-8242456	PreviewFeature.Feature enum removal of TEXT_BLOCKS
JDK-8242300	SystemDictionary::resolve_super_or_fail() should look for the super class first
JDK-8242032	G1 region remembered sets may contain non-coarse level PRTs for already coarsened regions
JDK-8241995	Clarify InetAddress::toString specification
JDK-8241716	Jpackage functionality to let users choose whether to create shortcuts
JDK-8241619	(fs) Files.newByteChannel(path, Set.of(CREATE_NEW, READ)) does not throw a FileAlreadyExistsException when the file exists
JDK-8241502	C2: Migrate x86_64.ad to MacroAssembler
JDK-8241423	NUMA APIs fail to work in dockers due to dependent syscalls are disabled by default

OpenJDK Patch ID	Synopsis
JDK-8241403	JavaThread::get_thread_name() should be ThreadSMR-aware
JDK-8241372	Several test failures due to javax.net.ssl.SSLException: Connection reset
JDK-8241354	ZGC still crashes in containers with NUMA due to get_mempolicy is disabled by default
JDK-8241353	NPE in ToolProvider.getSystemJavaCompiler
JDK-8241306	Add SignatureMethodParameterSpec subclass for RSASSA-PSS params
JDK-8241248	NullPointerException in sun.security.ssl.HKDF.extract(HKDF.java:93)
JDK-8241187	ToolBox::grep should allow for negative filtering
JDK-8240997	Remove more "hack" word in security codes
JDK-8240700	ARM32 clientvm: BarrierSetC1 encounters ARM32 ldrsb instruction offset limit
JDK-8240632	Note differences between IEEE 754-2019 math lib special cases and java.lang.Math
JDK-8240349	jlink should not leave partial image output directory on failure
JDK-8240347	remove undocumented options from jlink --help message
JDK-8240281	Remove failing assertion code when selecting first memory state in SuperWord::co_locate_pack
JDK-8240256	Better resource cleaning for SunPKCS11 Provider
JDK-8240247	No longer need to wrap files with contentContainer
JDK-8239894	Xserver crashes when the wrong high refresh rate is used
JDK-8239596	PARAMETER annotation on receiver type does not cause error
JDK-8239386	handle ContendedPaddingWidth in vm_version_aarch64
JDK-8238812	assert(false) failed: bad AD file
JDK-8238213	Method resolution should stop on static error
JDK-8238197	JFR: Rework setting and getting EventHandler

OpenJDK Patch ID	Synopsis
JDK-8237578	JDK-8214339 (SSLSocketImpl wraps SocketException) appears to not be fully fixed
JDK-8237388	serviceability/dcmd/framework/VMVersionTest.java fails with connection refused error.
JDK-8237352	Update DatagramSocket to add support for joining multicast groups
JDK-8236847	CDS archive with 4K alignment unusable on machines with 64k pages
JDK-8236671	NullPointerException in JKS keystore
JDK-8236490	Compiler bug relating to @NonNull annotation
JDK-8236225	Remove expired flags in JDK 17
JDK-8236127	Use value of --icon CLI option to set icon for exe installers
JDK-8235139	Deprecate the socket impl factory mechanism
JDK-8234930	Use MAP_JIT when allocating pages for code cache on macOS
JDK-8234773	Fix ThreadSMRSupport::_bootstrap_list
JDK-8234534	Simplify CardTable code after CMS removal
JDK-8234532	Remove ThreadLocalAllocBuffer::_fast_refill_waste since it is never set
JDK-8234131	Miscellaneous changes imported from jsr166 CVS 2021-01
JDK-8234020	Remove FullGCCCount_lock
JDK-8233567	[TESTBUG] FocusSubRequestTest.java fails on macos
JDK-8233565	[TESTBUG] NullModalityDialogTest.java fails on MacOS
JDK-8233564	[TESTBUG] MouseComboBoxTest.java is failing
JDK-8233555	[TESTBUG] JRadioButton tests failing on MacoS
JDK-8233380	CHT: Node allocation and freeing
JDK-8233378	CHT: Fast reset
JDK-8232948	javac -h should mangle the overload argument signature
JDK-8232861	(fc) FileChannel.force fails on WebDAV file systems (macOS)

OpenJDK Patch ID	Synopsis
JDK-8232765	NullPointerException at Types.eraseNotNeeded() when compiling a class
JDK-8232644	bugs in serialized-form.html
JDK-8231672	Simplify the reference processing parallelization framework
JDK-8231627	ThreadsListHandleInErrorHandlingTest.java fails in printing all threads
JDK-8231622	SuppressWarnings("serial") ignored on field serialVersionUID
JDK-8231461	static/instance overload leads to 'unexpected static method found in unbound lookup' when resolving method reference
JDK-8231286	HTML font size too large with high-DPI scaling and W3C_LENGTH_UNITS
JDK-8231179	Investigate why tools/javac/options/BCPOrElseSystemNotSpecified.java fails on Window
JDK-8231031	runtime/ReservedStack/ReservedStackTest.java fails after jsr166 refresh
JDK-8230623	Extract command-line help for -Xlint sub-options to new --help-lint
JDK-8230486	G1BarrierSetAssembler::g1_write_barrier_post unnecessarily pushes/pops new_val
JDK-8229517	Support for optional asynchronous/buffered logging
JDK-8229253	forkjoin/FJExceptionTableLeak.java fails "AssertionError: failed to satisfy condition"
JDK-8228988	AnnotationParser throws NullPointerException on incompatible member type
JDK-8228748	Remove GCLocker::_doing_gc
JDK-8228442	DHKeyExchange/LegacyDHEKeyExchange.java failed due to "SSLException: An established connection was aborted by the software in your host machine"
JDK-8228343	JCMD and attach fail to work across Linux Container boundary
JDK-8227695	assert(pss.trim_ticks().seconds() == 0.0) failed: Unexpected partial trimming during evacuation
JDK-8227077	Test java/awt/Modal/ZOrderTest6271792/ZOrderTest.java fails

OpenJDK Patch ID	Synopsis
JDK-8226810	Failed to launch JVM because of NullPointerException occurred on System.props
JDK-8226416	MonitorUsedDeflationThreshold can cause repeated async deflation requests
JDK-8226384	Implement a better logic to switch between OpenGL and Metal pipeline
JDK-8226362	langtools ProblemList file contains more than 1 entry for a test
JDK-8226216	parameter modifiers are not visible to javac plugins across compilation boundaries
JDK-8225667	Clarify the behavior of System::gc w.r.t. reference processing
JDK-8225438	javax/net/ssl/TLSCommon/TestSessionLocalPrincipal.java failed with Read timed out
JDK-8225116	Test OwnedWindowsLeak.java intermittently fails
JDK-8225081	Remove Telia Company CA certificate expiring in April 2021
JDK-8225072	Add LuxTrust certificate that is expiring in March 2021 to list of allowed but expired certs
JDK-8225045	javax/swing/JInternalFrame/8146321/JInternalFramelconTest.java fails on linux-x64
JDK-8224775	test/jdk/com/sun/jdi/JdwpListenTest.java failed to attach
JDK-8224243	Add implSpec's to AccessibleObject and seal Executable
JDK-8224158	assertion related to NPE at DynamicCallSiteDesc::withArgs should be reworded
JDK-8223607	--override-methods=summary ignores some signature changes
JDK-8223355	Redundant output by javadoc
JDK-8223188	Removed unnecessary #ifdef __cplusplus from .cpp sources
JDK-8223056	Remove Type-Stable-Memory support for Parkers
JDK-8222850	jshell tool: Misleading cascade compiler error in switch expression with undefined vars

OpenJDK Patch ID	Synopsis
JDK-8221503	vmTestbase/nsk/jdb/eval/eval001/eval001.java fails with: com.sun.jdi.InvalidTypeException: Can't assign double[][] to double[][]
JDK-8220266	add support for additional metadata in add/remove programs
JDK-8219555	compiler/jvmci/compilerToVM/IsMatureTest.java fails with Unexpected isMature state for multiple times invoked method: expected false to equal true
JDK-8218686	Remove dependency on Mac OS X Native Framework: security
JDK-8217633	Configurable extensions with system properties
JDK-8217327	G1 Post-Cleanup region liveness printing should not print out-of-date efficiency
JDK-8216400	improve handling of IOExceptions in JavaCompiler.close()
JDK-8216358	[accessibility] [macos] The focus is invisible when tab to "Image Radio Buttons" and "Image CheckBoxes"
JDK-8216145	jarsigner doc is not precise when describing jar file re-signing
JDK-8214455	Relocate CDS archived regions to the top of the G1 heap
JDK-8214237	Join parallel phases post evacuation
JDK-8213269	convert test/hotspot/jtreg/runtime/memory/RunUnitTestsConcurrently to gtest
JDK-8213226	[TESTBUG] Reduce the usage of CDSTestUtils.executeAndLog()
JDK-8213177	GlobalCounter::CSCContext could be an enum class
JDK-8213126	java/awt/Window/MainKeyWindow/TestMainKeyWindow.java time-out on mac10.13
JDK-8213032	program fails with LambdaConversionException at execution time
JDK-8212155	Race condition when posting dynamic_code_generated event leads to JVM crash
JDK-8212035	merge jdk.test.lib.util.SimpleHttpServer with jaxp.library.SimpleHttpServer
JDK-8211227	Inconsistent TLS protocol version in debug output

OpenJDK Patch ID	Synopsis
JDK-8210373	Deadlock in libj2gss.so when loading "j2gss" and "net" libraries in parallel.
JDK-8210100	ParallelGC should use parallel WeakProcessor
JDK-8208747	[a11y] [macos] In Optionpane Demo, inside ComponentDialog Example, unable to navigate to all items, with VO on
JDK-8208237	Re-examine defmeth tests and update as needed
JDK-8205502	Make exception message from AnnotationInvocationHandler more informative
JDK-8204686	Dynamic parallel reference processing support for Parallel GC
JDK-8203925	tools/javac/importscope/T8193717.java ran out of java heap
JDK-8203359	Container level resources events
JDK-8202880	Test javax/swing/JPopupMenu/8075063/ContextMenuScrollTest.java fails
JDK-8202750	Reduce the use of get_canonical_path() in CDS
JDK-8200145	Conditional expression mistakenly treated as standalone
JDK-8199407	Skip Rebuild Remset Phase if there are no rebuild candidates
JDK-8199318	add idempotent copy operation for Map.Entry
JDK-8199079	Test javax/swing/UIDefaults/6302464/bug6302464.java is unstable
JDK-8198621	java/awt/Focus/KeyEventForBadFocusOwnerTest/KeyEventForBadFocusOwnerTest.java fails on mac
JDK-8198619	java/awt/Focus/FocusTraversalPolicy/ButtonGroupLayoutTraversal/ButtonGroupLayoutTraversalTest.java fails on mac
JDK-8198617	java/awt/Focus/6382144/EndlessLoopTest.java fails on mac
JDK-8198616	java/awt/Focus/6378278/InputVerifierTest.java fails on mac
JDK-8198540	Dynalink leaks memory when generating type converters
JDK-8198422	Test java/awt/font/StyledMetrics/BoldSpace.java is unstable

OpenJDK Patch ID	Synopsis
JDK-8198343	Test java/awt/print/PrinterJob/TestPgfmtSetMPA.java may fail w/o printer
JDK-8197825	[Test] Intermittent timeout with javax/swing JColorChooser Test
JDK-8197811	Test java/awt/Choice/PopupPosTest/PopupPosTest.java fails on Windows
JDK-8197800	Test java/awt/Focus/NonFocusableWindowTest/NoEventsTest.java fails on Windows
JDK-8196743	jstatd doesn't see new Java processes inside Docker container
JDK-8196466	javax/swing/JFileChooser/8062561/bug8062561.java fails
JDK-8196439	Regression automated Test 'javax/swing/JComboBox/8032878/bug8032878.java' fails
JDK-8196415	Disable SHA-1 Signed JARs
JDK-8196301	java/awt/print/PrinterJob/Margins.java times out
JDK-8196300	java/awt/TextArea/TextAreaScrolling/TextAreaScrolling.java times out
JDK-8196093	javax/swing/JComboBox/8072767/bug8072767.java fails
JDK-8196092	javax/swing/JComboBox/8032878/bug8032878.java fails
JDK-8196090	javax/swing/JComboBox/6559152/bug6559152.java fails
JDK-8195744	Avoid calling ClassLoader.checkPackageAccess if security manager is not installed
JDK-8194129	Regression automated Test '/open/test/jdk/java/awt/Window/ShapedAndTranslucentWindows/TranslucentChoice.java' fails
JDK-8193942	Regression automated test '/open/test/jdk/javafx/swing/JFrame/8175301/ScaledFrameBackgroundTest.java' fails
JDK-8193031	Collections.addAll is likely to perform worse than Collection.addAll
JDK-8191786	Thread-SMR hash table size should be dynamic

OpenJDK Patch ID	Synopsis
JDK-8191441	(Process) add Readers and Writer access to java.lang.Process streams
JDK-8189198	Add "forRemoval = true" to Applet API deprecations
JDK-8187649	ArrayIndexOutOfBoundsException in java.util.JapaneseImperialCalendar
JDK-8187450	JNI local refs exceeds capacity warning in NetworkInterface::getAll
JDK-8185734	[Windows] Structured Exception Catcher missing around gtest execution
JDK-8185127	Add tests to cover hashCode() method for java supported crypto key types
JDK-8184134	HeapRegion::LogOfHRGrainWords is unused
JDK-8183569	Assert the same limits are used in parse_xss and globals.hpp
JDK-8183372	Refactor java/lang/Class shell tests to java
JDK-8182043	Access to Windows Large Icons
JDK-8180571	Refactor sun/security/pkcs11 shell tests to plain java tests and fix failures
JDK-8180568	Refactor javax/crypto shell tests to plain java tests
JDK-8179880	Refactor javax/security shell tests to plain java tests
JDK-8179503	Java should support GET OCSP calls
JDK-8178348	left_n_bits(0) invokes undefined behavior
JDK-8176026	SA: Huge heap sizes cause a negative value to be displayed in the jhisto heap total
JDK-8174222	LambdaMetafactory: validate inputs and improve documentation
JDK-8171381	[TEST_BUG] [macos] javax/swing/JPopupMenu/7156657/bug7156657.java fails on OS X
JDK-8169629	Annotations with lambda expressions cause AnnotationFormatError
JDK-8169086	DTLS tests fail intermittently with too much loops or timeout

OpenJDK Patch ID	Synopsis
JDK-8168408	Test java/awt/Focus/ActualFocusedWindowTest/ActualFocusedWindowBlockingTest.java fails intermittently on windows
JDK-8167015	compiler/codecache/jmx/PoolsIndependenceTest.java timeout
JDK-8166727	javac crashed: [jimage.dll+0x1942] ImageStrings::find+0x28
JDK-8166026	Refactor java/lang shell tests to java
JDK-8165276	Spec states to invoke the premain method in an agent class if it's public but implementation differs
JDK-8164804	sun/security/ssl/SSLSocketImpl/CloseSocket.java makes not reliable time assumption
JDK-8164484	Unity, JTable cell editor, javax/swing/JComboBox/6559152/bug6559152.java
JDK-8163498	Many long-running security libs tests
JDK-8163367	Test javax/swing/JComboBox/8033069/bug8033069NoScrollBar.java javax/swing/JComboBox/8033069/bug8033069ScrollBar.java fails intermittently
JDK-8163086	java/awt/Window/TranslucentJAppletTest/TranslucentJAppletTest.java fails
JDK-8160070	[TEST_BUG] Menu doesn't look good, and no shortcut key combination
JDK-8159904	[TEST_BUG] Failure on solaris of java/awt/Window/MultiWindowApp/MultiWindowAppTest.java
JDK-8157682	@inheritDoc doesn't work with @exception
JDK-8149138	[javadoc] Fix SerialFormBuilder eliminate String bashing
JDK-8148937	(str) Adapt StringJoiner for Compact Strings
JDK-8144012	[PIT][macosx] Failure of closed/java/awt/FontClass/FontStringBounds.java
JDK-8143041	Unify G1CollectorPolicy::PauseKind and G1YCType
JDK-8139348	Deprecate 3DES and RC4 in Kerberos

OpenJDK Patch ID	Synopsis
JDK-8136517	[macosx]Test java/awt/Focus/8073453/AWTFocusTransitionTest.java fails on MacOSX
JDK-8134540	Much nearly duplicated code for PerfMemory support
JDK-8132984	incorrect type for Reference.discovered
JDK-8129776	The optimized Stream returned from Files.lines should unmap the mapped byte buffer (if created) when closed
JDK-8080272	Refactor I/O stream copying to use InputStream.transferTo/readAllBytes and Files.copy
JDK-8076313	GraphicsEnvironment does not detect changes in count of monitors on Linux OS
JDK-8075915	The eight controls without black backgrounds with WinLAF & GTK LAF & Nimbus LAF
JDK-8075909	[TEST_BUG] The regression-swing case failed as it does not have the 'Open' button when select 'subdir' folder with NimbusLAF
JDK-8074101	Add verification that all tasks are actually claimed during roots processing
JDK-8073446	TimeZone getOffset API does not return a DST offset between years 2038-2137
JDK-8069116	improve fatal error handling in JavaCompiler
JDK-8067223	[TESTBUG] Rename Whitebox API package
JDK-8066694	Strange code in JavacParser.java
JDK-8065760	CHA: Improve abstract method support
JDK-8058176	[mlvm] tests should not allow code cache exhaustion
JDK-8057543	Replace javac's Filter with Predicate (and lambdas)
JDK-8055801	[TEST_BUG] There is no red icon for the frame
JDK-8049700	Deprecate obsolete classes and methods in javax/swing/plaf/basic

OpenJDK Patch ID	Synopsis
JDK-8048199	Replace anonymous inner classes with lambdas, where applicable, in JNDI
JDK-8048109	JToggleButton does not fire actionPerformed under certain conditions
JDK-8047218	[TEST_BUG] java/awt/FullScreen/AltTabCrashTest/AltTabCrashTest.java fails with exception
JDK-8039278	console.sh failed Automatically with exit code 1
JDK-8039270	The background color of the button can't be displayed and when pressed the button, the background color can not be changed in accordance with the case described.
JDK-8039261	[TEST_BUG]: There is not a minimal security level in Java Preferences and the TestApplet.html is blocked.
JDK-8037397	RegEx pattern matching loses character class after intersection (&&) operator
JDK-8036580	CHA: Improve default method support
JDK-8030048	(fs) Support UserDefinedFileAttributeView/extended attributes on OS X / HFS+
JDK-8023980	JCE doesn't provide any class to handle RSA private key in PKCS#1
JDK-8015886	java/awt/Focus/DeiconifiedFrameLoosesFocus/DeiconifiedFrameLoosesFocus.java sometimes failed on ubuntu
JDK-8012229	[lcms] Improve performance of color conversion for images with alpha channel
JDK-8007534	java/awt/font/FontNames/OldNames.java fails intermittently
JDK-8005295	Use mandated information for printing of repeating annotations
JDK-8003216	Add JFR event indicating explicit System.gc() call
JDK-7194219	java/awt/Component/UpdatingBootTime/UpdatingBootTime.html fails on Linux
JDK-7146776	Deadlock between URLStreamHandler.getHostAddress and file.Handler.openConnection

OpenJDK Patch ID	Synopsis
JDK-7133530	closed/javax/swing/JRadioButton/4314194/bug4314194.java fails
JDK-7018932	Drawing very large coordinates with a dashed Stroke can cause Java to hang
JDK-6986863	ProfileDeferralMgr throwing ConcurrentModificationException
JDK-6766844	ByteArrayInputStream#read with a byte array of length 0 not consistent with InputStream when at EOF
JDK-6676643	Improve current C_GetAttributeValue native implementation
JDK-6606673	Path2D.Double, Path2D.Float and GeneralPath ctors throw exception when initialCapacity is negative
JDK-6539707	(fc) MappedByteBuffer.force() method throws an IOException in a very simple test
JDK-6436374	Graphics.setColor(null) is not documented
JDK-6323374	(coll) Optimize Collections.unmodifiable* and synchronized*
JDK-6278172	TextComponent.getSelectedText() throws StringIndexOutOfBoundsException
JDK-6251901	BasicTextUI: installDefaults method are contrary to the documentation
JDK-6245663	(spec) File.renameTo(File) changes the file-system object, not the File instance
JDK-6211257	BasicStroke.createStrokedShape(Shape): NPE is not specified
JDK-6211242	AreaAveragingScaleFilter(int, int): IAE is not specified
JDK-6211198	ICC_Profile.getInstance(byte[]): IAE is not specified
JDK-6206189	Graphics2D.clip specifies incorrectly that a 'null' is a valid value for this method
JDK-4926314	Optimize Reader.read(CharBuffer)
JDK-4841153	java.awt.geom.Rectangle2D.add(double,double) documented incorrectly
JDK-4833719	(bf) Views of MappedByteBuffers are not MappedByteBuffers, and cannot be forced

OpenJDK Patch ID	Synopsis
JDK-4710675	JTextArea.setComponentOrientation does not work with correct timing

OpenJFX Bug Fixes

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

OpenJDK Patch ID	Synopsis
JDK-8258777	SkinBase: add api to un-/register invalidation-/listChange listeners
JDK-8267554	Support loading stylesheets from data-URIs
JDK-8223717	javafx printing: Support Specifying Print to File in the API
JDK-8234920	Add SpotLight to the selection of 3D light types
JDK-8259718	Remove the Marlin rasterizer (single-precision)
JDK-8267551	Support loading images from inline data-URIs
JDK-8268120	Allow hardware cursor to be used on Monocle-EGL platforms
JDK-8258499	JavaFX: Move src.zip out of the lib directory
JDK-8252935	Add treeShowing listener only when needed
JDK-8259680	Need API to query states of CAPS LOCK and NUM LOCK keys
JDK-8092439	[Monocle] Refactor monocle SPI to allow support for multiple screens
JDK-8185447	The special high-contrast mode of JavaFX Controls in Japanese environment do not work.
JDK-8263322	Calling Application.launch on FX thread should throw IllegalStateException, but causes deadlock
JDK-8260468	Wrong behavior of LocalDateTimeStringConverter
JDK-8260475	Deprecate for removal protected access members in DateTimeStringConverter
JDK-8264770	BidirectionalBinding should use InvalidationListener to prevent boxing
JDK-8267505	{List,Set,Map}PropertyBase::bind should check against identity
JDK-8089589	[ListView] ScrollBar content moves toward-backward during scrolling.

OpenJDK Patch ID	Synopsis
JDK-8089913	CSS pseudo classes missing by default for some controls
JDK-8137323	Incorrect parsing of mnemonic in controls text
JDK-8165214	ListView.EditEvent.getIndex() does not return the correct index
JDK-8186904	TableColumnHeader: resize cursor lost on right click
JDK-8187229	Tree/TableCell: cancel event must return correct editing location
JDK-8189354	Change.getRemoved() list contains incorrect selected items when a TreeItem is collapsed
JDK-8196065	ListChangeListener getRemoved() returns items that were not removed.
JDK-8204568	Relative CSS-Attributes don't work all time
JDK-8208088	Memory Leak in ControlAcceleratorSupport
JDK-8228363	ContextMenu.show with side=TOP does not work the first time in the presence of CSS
JDK-8239138	StyleManager should use a BufferedInputStream
JDK-8244075	Accelerator of ContextMenu's MenuItem is not removed when ContextMenu is removed from Scene
JDK-8252238	TableView: Editable (pseudo-editable) cells should respect the row editability
JDK-8256283	IndexOutOfBoundsException when sorting a TreeTableView
JDK-8258663	Fixed size TableCells are not removed from scene graph when column is removed
JDK-8261460	Incorrect CSS applied to ContextMenu on DialogPane
JDK-8261840	Submenus close to screen borders are no longer repositioned
JDK-8263807	Button types of a DialogPane are set twice, returns a wrong button
JDK-8264157	Items of non-editable ComboBox cannot be selected using up/down keys
JDK-8264127	ListCell editing status is true, when index changes while editing
JDK-8264677	MemoryLeak: Progressindicator leaks, when treeShowing is false

OpenJDK Patch ID	Synopsis
JDK-8265206	Tree-/TableCell: editing state not updated on cell re-use
JDK-8265210	TableCell: cell editing state not updated on cell re-use
JDK-8265669	AccumCell should not be visible
JDK-8266539	[TreeView]: Change.getRemoved() contains null item when deselecting a Treeltem
JDK-8266966	Wrong CSS properties are applied to other nodes after fix for JDK-8204568
JDK-8267094	TableCell: cancelEvent must return correct editing location
JDK-8267392	ENTER key press on editable TableView throws NPE
JDK-8269026	PasswordField doesn't render bullet character on Android
JDK-8269136	Tree/TablePosition: must not throw NPE on instantiating with null table
JDK-8270314	TreeTableCell: inconsistent naming for tableRow and tableColumn property methods
JDK-8165749	java.lang.RuntimeException: dndGesture.dragboard is null in dragDrop
JDK-8210199	[linux / macOS] fileChooser can't handle emojis
JDK-8211362	Restrict export of libjpeg symbols from libjavafx_iio.so
JDK-8217955	Problems with touch input and JavaFX 11
JDK-8239589	JavaFX UI will not repaint after reconnecting via Remote Desktop
JDK-8252099	JavaFX does not render Myanmar script correctly
JDK-8258986	getColor throws IOOBE when PixelReader reads the same pixel twice
JDK-8259046	ViewPainter.ROOT_PATHS holds reference to Scene causing memory leak
JDK-8262396	Update Mesa 3-D Headers to version 21.0.3
JDK-8262802	Wrong context origin coordinates when using EGL and HiDPI
JDK-8263402	MemoryLeak: Node hardreferences it's previous Parent after csslayout and getting removed from the scene
JDK-8267160	Monocle mouse never get ENTERED state

OpenJDK Patch ID	Synopsis
JDK-8267314	Loading some animated GIFs fails with ArrayIndexOutOfBoundsException: Index 4096 out of bounds for length 4096
JDK-8259356	MediaPlayer's seek freezes video
JDK-8262365	Update GStreamer to version 1.18.3
JDK-8262366	Update glib to version 2.66.7
JDK-8264737	JavaFX media stream stops playing after reconnecting via Remote Desktop
JDK-8266860	[macos] Incorrect duration reported for HLS live streams
JDK-8267819	CoInitialize/CoUninitialize should be called on same thread
JDK-8268152	gstmpgeaudioparse does not provides timestamps for HLS MP3 streams
JDK-8268219	hlsprogressbuffer should provide PTS after GStreamer update
JDK-8269147	Update GStreamer to version 1.18.4
JDK-8252783	Remove the css Selector and ShapeConverter constructors
JDK-8264162	PickResult.toString() is missing the closing square bracket
JDK-8264330	Scene MouseHandler is referencing removed nodes
JDK-8270246	Deprecate for removal implementation methods in Scene
JDK-8254836	Cherry pick GTK WebKit 2.30.3 changes
JDK-8259555	Webkit crashes on Apple Silicon
JDK-8259635	Update to 610.2 version of WebKit
JDK-8260163	IrresponsiveScriptTest.testInfiniteLoopInScript unit test fails on Windows
JDK-8260165	CSSFilterTest.testCSSFilterRendering system test fails
JDK-8260245	Update ICU4C to version 68.2
JDK-8260257	[Linux] WebView no longer reacts to some mouse events
JDK-8263788	JavaFX application freezes completely after some time when using the WebView

OpenJDK Patch ID	Synopsis
JDK-8264501	UIWebView for iOS is deprecated
JDK-8264990	WebEngine crashes with segfault when not loaded through system classloader
JDK-8269131	Update libxml2 to version 2.9.12
JDK-8206253	No/Wrong scroll events from touch input in window mode
JDK-8231558	[macos] Platform.exit causes assertion error on macOS 10.15 or later
JDK-8240640	[macos] Wrong focus behaviour with multiple Alerts
JDK-8248126	JavaFX ignores HiDPI scaling settings on some linux platforms
JDK-8249737	java.lang.RuntimeException: Too many touch points reported
JDK-8258381	[macos] Exception when input emoji using Chinese input method
JDK-8263169	[macOS] JavaFX windows open as tabs when system preference for documents is set
JDK-8266743	Crash on macOS 10.11 due to ignored @available 10.12 check
JDK-8263112 (not public)	Enhance String Conclusions

Azul Zulu Bug Fixes

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

Zulu Patch ID	Synopsis
ZULU-28759	Temporarily exclude incubator Foreign APIs from Zulu 17
ZULU-28190	Store Zulu dependencies in source repo
ZULU-26982	Rebrand the Welcome.html file with the new product naming
ZULU-20414	Update copyright year in Welcome.html
ZULU-20057	BinSkim compliance mode is broken after JDK-8257679
ZULU-6928	prepare refined versions of zulu builds
JDK-8272602	[macos] not all KEY_PRESSED events sent when control modifier is used

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