The Apache 2 license (given in full in [LICENSE.txt](LICENSE.txt)) applies to all code in this repository which is copyright

by JetBrains. The following sections of the repository contain third-party code, to which different licenses

may apply:

## Kotlin Compiler

The following modules contain third-party code and are incorporated into the Kotlin compiler and/or

the Kotlin IntelliJ IDEA plugin:

- Path: compiler/backend/src/org/jetbrains/kotlin/codegen/inline/MaxStackFrameSizeAndLocalsCalculator.java

- License: BSD ([license/third\_party/asm\_license.txt][asm])

- Origin: Derived from ASM: a very small and fast Java bytecode manipulation framework, Copyright (c) 2000-2011 INRIA, France Telecom

- Path: compiler/backend/src/org/jetbrains/kotlin/codegen/inline/MaxLocalsCalculator.java

- License: BSD ([license/third\_party/asm\_license.txt][asm])

- Origin: Derived from ASM: a very small and fast Java bytecode manipulation framework, Copyright (c) 2000-2011 INRIA, France Telecom

- Path: compiler/backend/src/org/jetbrains/kotlin/codegen/optimization/common/FastMethodAnalyzer.kt

- License: BSD ([license/third\_party/asm\_license.txt][asm])

- Origin: Derived from ASM: a very small and fast Java bytecode manipulation framework, Copyright (c) 2000-2011 INRIA, France Telecom

- Path: compiler/backend/src/org/jetbrains/kotlin/codegen/optimization/common/InstructionLivenessAnalyzer.kt

- License: BSD ([license/third\_party/asm\_license.txt][asm])

- Origin: Derived from ASM: a very small and fast Java bytecode manipulation framework, Copyright (c) 2000-2011 INRIA, France Telecom

- Path: compiler/backend/src/org/jetbrains/kotlin/codegen/optimization/common/ControlFlowGraph.kt

- License: BSD ([license/third\_party/asm\_license.txt][asm])

- Origin: Derived from ASM: a very small and fast Java bytecode manipulation framework, Copyright (c) 2000-2011 INRIA, France Telecom

- Path: compiler/backend/src/org/jetbrains/kotlin/codegen/optimization/fixStack/FastStackAnalyzer.kt

- License: BSD ([license/third\_party/asm\_license.txt][asm])

- Origin: Derived from ASM: a very small and fast Java bytecode manipulation framework, Copyright (c) 2000-2011 INRIA, France Telecom

- Path: compiler/backend/src/org/jetbrains/kotlin/codegen/optimization/temporaryVals/FastStoreLoadAnalyzer.kt

- License: BSD ([license/third\_party/asm\_license.txt][asm])

- Origin: Derived from ASM: a very small and fast Java bytecode manipulation framework, Copyright (c) 2000-2011 INRIA, France Telecom

- Path: eval4j/src/org/jetbrains/eval4j/interpreterLoop.kt

- License: BSD ([license/third\_party/asm\_license.txt][asm])

- Origin: Derived from ASM: a very small and fast Java bytecode manipulation framework, Copyright (c) 2000-2011 INRIA, France Telecom

- Path: compiler/backend/src/org/jetbrains/kotlin/codegen/optimization/common/OptimizationBasicInterpreter.java

- License: BSD ([license/third\_party/asm\_license.txt][asm])

- Origin: Derived from ASM: a very small and fast Java bytecode manipulation framework, Copyright (c) 2000-2011 INRIA, France Telecom

- Path: js/js.ast

- License: BSD ([license/third\_party/dart\_LICENSE.txt][dart])

- Origin: Originally part of the Dart compiler, (c) 2011 the Dart Project Authors,

- Path: js/js.inliner/src/org/jetbrains/kotlin/js/inline/FunctionInlineMutator.kt

- License: BSD ([license/third\_party/dart\_LICENSE.txt][dart])

- Origin: Originally part of the Dart compiler, (c) 2011 the Dart Project Authors,

- Path: js/js.parser/src/com/google

- License: Netscape Public License 1.1 ([license/third\_party/rhino\_LICENSE.txt][rhino])

- Origin: Originally part of GWT, (C) 2007-08 Google Inc., distributed under the Apache 2 license. The code

is derived from Rhino, (C) 1997-1999 Netscape Communications Corporation, distributed under the

Netscape Public License.

- Path: js/js.translator/qunit/qunit.js

- License: MIT ([license/third\_party/qunit\_license.txt][qunit])

- Origin: QUnit, Copyright (c) 2012 John Resig, Jörn Zaefferer,

- Path: libraries/stdlib/src/kotlin/collections

- License: Apache 2 ([license/third\_party/gwt\_license.txt][gwt])

- Origin: Derived from GWT, (C) 2007-08 Google Inc.

- Path: libraries/stdlib/unsigned/src/kotlin/UnsignedUtils.kt

- License: Apache 2 ([license/third\_party/guava\_license.txt][guava])

- Origin: Derived from Guava's UnsignedLongs, (C) 2011 The Guava Authors

- Path: libraries/stdlib/jvm/src/kotlin/util/MathJVM.kt

- License: Boost Software License 1.0 ([license/third\_party/boost\_LICENSE.txt][boost])

- Origin: Derived from boost special math functions, Copyright Eric Ford & Hubert Holin 2001.

- Path: libraries/stdlib/js/src/kotlin/collections

- License: Apache 2 ([license/third\_party/gwt\_license.txt][gwt])

- Origin: Derived from GWT, (C) 2007-08 Google Inc.

- Path: libraries/stdlib/native-wasm/src/kotlin/collections

- License: Apache 2 ([license/third\_party/gwt\_license.txt][gwt])

- Origin: Derived from GWT, (C) 2007-08 Google Inc.

- Path: libraries/stdlib/js-v1/src/js/long.js

- License: Apache 2 ([license/third\_party/closure-compiler\_LICENSE.txt][closure-compiler])

- Origin: Google Closure Library, Copyright 2009 The Closure Library Authors

- Path: libraries/stdlib/js-v1/src/js/polyfills.js

- License: Boost Software License 1.0 ([license/third\_party/boost\_LICENSE.txt][boost])

- Origin: Derived from boost special math functions, Copyright Eric Ford & Hubert Holin 2001.

- Path: libraries/stdlib/js/src/kotlin/js/math.polyfills.kt

- License: Boost Software License 1.0 ([license/third\_party/boost\_LICENSE.txt][boost])

- Origin: Derived from boost special math functions, Copyright Eric Ford & Hubert Holin 2001.

- Path: libraries/stdlib/wasm/internal/kotlin/wasm/internal/Number2String.kt

- License: Apache 2 ([third\_party/assemblyscript\_license.txt][assemblyscript])

- Origin: Derived from assemblyscript standard library

- Path: plugins/lint/android-annotations

- License: Apache 2 ([license/third\_party/aosp\_license.txt][aosp])

- Origin: Copyright (C) 2011-15 The Android Open Source Project

- Path: plugins/lint/lint-api

- License: Apache 2 ([license/third\_party/aosp\_license.txt][aosp])

- Origin: Copyright (C) 2011-15 The Android Open Source Project

- Path: plugins/lint/lint-checks

- License: Apache 2 ([license/third\_party/aosp\_license.txt][aosp])

- Origin: Copyright (C) 2011-15 The Android Open Source Project

- Path: plugins/lint/lint-idea

- License: Apache 2 ([license/third\_party/aosp\_license.txt][aosp])

- Origin: Copyright (C) 2011-15 The Android Open Source Project

- Path: wasm/ir/src/org/jetbrains/kotlin/wasm/ir/convertors

- License: MIT ([license/third\_party/asmble\_license.txt][asmble])

- Origin: Copyright (C) 2018 Chad Retz

- Path: compiler/tests-common/tests/org/jetbrains/kotlin/codegen/ir/ComposeLikeGenerationExtension.kt

- License: Apache 2 ([license/third\_party/aosp\_license.txt][aosp])

- Origin: Derived from JetPack Compose compiler plugin code, Copyright 2019 The Android Open Source Project

- Path: libraries/stdlib/wasm/src/kotlin/text/FloatingPointConverter.kt

- License: MIT ([license/third\_party/asmble\_license.txt][asmble])

- Origin: Copyright (C) 2018 Chad Retz

- Path: libraries/stdlib/wasm/src/kotlin/math/fdlibm/

- License: SUN ([license/third\_party/sun\_license.txt][sun])

- Origin: Copyright (C) 1993 by Sun Microsystems, Inc.

- Path: kotlin-native/runtime/src/main/cpp/Utils.cpp

- License: Boost Software License 1.0 ([license/third\_party/boost\_LICENSE.txt][boost])

- Origin: Derived from boost hash functions, Copyright 2005-2014 Daniel James

## Kotlin Test Data

The following source code is used for testing the Kotlin compiler and/or plugin and is not incorporated into

any distributions of the compiler, libraries or plugin:

- Path: third-party/annotations/android

- License: Apache 2 ([license/third\_party/aosp\_license.txt][aosp])

- Origin: Copyright (C) 2011-15 The Android Open Source Project

- Path: third-party/annotations/com/android

- License: Apache 2 ([license/third\_party/aosp\_license.txt][aosp])

- Origin: Copyright (C) 2011-15 The Android Open Source Project

- Path: third-party/annotations/org/eclipse

- License: Eclipse Public License v1.0 ([license/third\_party/testdata/eclipse\_license.txt][eclipse])

- Origin: Eclipse JDT, Copyright (c) 2011, 2013 Stephan Herrmann and others.

- Path: third-party/annotations/androidx

- License: Apache 2 ([license/third\_party/aosp\_license.txt][aosp])

- Origin: Copyright (C) 2011-15 The Android Open Source Project

- Path: third-party/annotations/edu/umd/cs/findbugs

- License: LGPL 2.1 ([license/third\_party/testdata/findbugs\_license.txt][findbugs])

- Origin: Bytecode Analysis Framework, Copyright (C) 2005 University of Maryland

- Path: third-party/java8-annotations/org/eclipse

- License: Eclipse Public License v1.0 ([license/third\_party/testdata/eclipse\_license.txt][eclipse])

- Origin: Eclipse JDT, Copyright (c) 2011, 2013 Stephan Herrmann and others.

- Path: third-party/annotations/io/reactivex

- License: Apache 2 ([license/third\_party/testdata/rxjava\_license.txt][rxjava])

- Origin: RxJava, Copyright (c) 2016-present, RxJava Contributors

- Path: third-party/java8-annotations/org/jspecify

- License: Apache 2 ([license/third\_party/testdata/jspecify\_license.txt][jspecify])

- Origin: JSpecify, Copyright (C) 2020 The JSpecify Authors

- Path: third-party/java9-annotations/org/jspecify

- License: Apache 2 ([license/third\_party/testdata/jspecify\_license.txt][jspecify])

- Origin: JSpecify, Copyright (C) 2020 The JSpecify Authors

- Path: third-party/annotations/lombok

- License: MIT ([license/third\_party/testdata/lombok\_license.txt][lombok])

- Origin: Project Lombok, Copyright (C) 2009-2013 The Project Lombok Authors

- Path: idea/idea-android/tests/org/jetbrains/kotlin/android/AndroidTestBase.java

- License: Apache 2 ([license/third\_party/aosp\_license.txt][aosp])

- Origin: Copyright (C) 2011-15 The Android Open Source Project

- Path: idea/testData/android/lintQuickfix/requiresApi/RequiresApi.java

- License: Apache 2 ([license/third\_party/aosp\_license.txt][aosp])

- Origin: Copyright (C) 2011-15 The Android Open Source Project

- Path: idea/testData/android/lint/IntRange.java

- License: Apache 2 ([license/third\_party/aosp\_license.txt][aosp])

- Origin: Copyright (C) 2011-15 The Android Open Source Project

- Path: idea/testData/android/lint/RequiresPermission.java

- License: Apache 2 ([license/third\_party/aosp\_license.txt][aosp])

- Origin: Copyright (C) 2011-15 The Android Open Source Project

- Path: libraries/tools/kotlin-gradle-plugin-integration-tests/src/test/resources/testProject/allOpenSpring/src/org/springframework/stereotype/Component.java

- License: Apache 2 ([license/third\_party/testdata/spring\_license.txt][spring])

- Origin: Spring Framework, Copyright 2002-2007 the original author or authors.

- Path: libraries/tools/kotlin-gradle-plugin-integration-tests/src/test/resources/testProject/AndroidDaggerProject

- License: Apache 2 ([license/third\_party/testdata/dagger\_license.txt][dagger])

- Origin: Dagger, Copyright (C) 2013 Square, Inc.

- Path: libraries/tools/kotlin-gradle-plugin-integration-tests/src/test/resources/testProject/kapt2

- License: Apache 2 ([license/third\_party/testdata/dagger\_license.txt][dagger])

- Origin: Dagger, Copyright (C) 2013 Square, Inc.

- Path: libraries/tools/kotlin-maven-plugin-test/src/it/test-allopen-spring/src/main/java/org/springframework/stereotype/Component.java

- License: Apache 2 ([license/third\_party/testdata/spring\_license.txt][spring])

- Origin: Spring Framework, Copyright 2002-2007 the original author or authors.

## Kotlin Tools and Libraries Tests

The following source code is used for testing the Kotlin tools and/or libraries and is not incorporated into

any distributions of the tools or libraries:

- Path: libraries/tools/kotlin-gradle-plugin-integration-tests/src/test/kotlin/org/jetbrains/kotlin/gradle/PluginsDslIT.kt

- License: Apache 2 ([license/third\_party/gradle\_license.txt][gradle])

- Origin: Gradle, Copyright 2002-2017 Gradle, Inc.

- Path: libraries/tools/kotlin-gradle-plugin-integration-tests/target/test-classes/testProject/noArgJpa/src/javax/persistence/Entity.java

- License: Eclipse Public License v1.0 ([license/third\_party/testdata/eclipse\_license.txt][eclipse])

and Eclipse Distribution License - v1.0 ([license/third\_party/testdata/eclipse\_distribution\_license.txt][eclipse-distribution])

- Origin: javax.persistence, Copyright (c) 2008, 2017 Sun Microsystems, Oracle Corporation.

- Path: libraries/tools/kotlin-gradle-plugin-integration-tests/src/test/resources/testProject/noArgJpa/src/javax/persistence/Entity.java

- License: Eclipse Public License v1.0 ([license/third\_party/testdata/eclipse\_license.txt][eclipse])

and Eclipse Distribution License - v1.0 ([license/third\_party/testdata/eclipse\_distribution\_license.txt][eclipse-distribution])

- Origin: javax.persistence, Copyright (c) 2008, 2017 Sun Microsystems, Oracle Corporation.

- Path: libraries/tools/kotlin-gradle-plugin-integration-tests/src/test/resources/testProject/noArgJpa/src/javax/persistence/Embeddable.java

- License: Eclipse Public License v1.0 ([license/third\_party/testdata/eclipse\_license.txt][eclipse])

and Eclipse Distribution License - v1.0 ([license/third\_party/testdata/eclipse\_distribution\_license.txt][eclipse-distribution])

- Origin: javax.persistence, Copyright (c) 2008, 2017 Sun Microsystems, Oracle Corporation.

- Path: libraries/tools/kotlin-test-js-runner/karma-kotlin-reporter.js

- License: MIT ([license/third\_party/karma\_LICENSE.txt](third\_party/karma\_LICENSE.txt)

and [license/third\_party/karma-teamcity-reporter\_LICENSE.txt](third\_party/karma-teamcity-reporter\_LICENSE.txt))

- Origin: Copyright (C) 2011-2019 Google, Inc. and Copyright (C) 2011-2013 Vojta Jína and contributors.

- Path: libraries/tools/kotlin-test-js-runner/mocha-kotlin-reporter.js

- License: MIT ([license/third\_party/mocha-teamcity-reporter\_LICENSE.txt](third\_party/mocha-teamcity-reporter\_LICENSE.txt))

- Origin: Copyright (c) 2016 Jamie Sherriff

- Path: libraries/tools/kotlin-test-js-runner/src/utils.ts

- License: MIT ([license/third\_party/teamcity-service-messages\_LICENSE.txt](third\_party/teamcity-service-messages\_LICENSE.txt)

and [license/third\_party/lodash\_LICENSE.txt](third\_party/lodash\_LICENSE.txt))

- Origin: Copyright (c) 2013 Aaron Forsander and Copyright JS Foundation and other contributors <https://js.foundation/>

- Path: libraries/tools/kotlin-test-js-runner/src/teamcity-format.js

- License: MIT ([license/third\_party/mocha-teamcity-reporter\_LICENSE.txt](third\_party/mocha-teamcity-reporter\_LICENSE.txt)

and [license/third\_party/teamcity-service-messages\_LICENSE.txt](third\_party/teamcity-service-messages\_LICENSE.txt))

- Origin: Copyright (c) 2016 Jamie Sherriff and Copyright (c) 2013 Aaron Forsander

## Example Code

The following code is provided as examples and is not incorporated into

any distributions of the compiler, libraries or plugin:

- Path: libraries/examples/browser-example/src/js/jquery.js

- License: MIT ([license/third\_party/jquery\_license.txt][jquery])

- Origin: jQuery JavaScript Library v1.6.2, Copyright 2011, John Resig

- Path: libraries/examples/browser-example-with-library/src/js/jquery.js

- License: MIT ([license/third\_party/jquery\_license.txt][jquery])

- Origin: jQuery JavaScript Library v1.6.2, Copyright 2011, John Resig

[aosp]: third\_party/aosp\_license.txt

[asm]: third\_party/asm\_license.txt

[boost]: third\_party/boost\_LICENSE.txt

[closure-compiler]: third\_party/closure-compiler\_LICENSE.txt

[dagger]: third\_party/testdata/dagger\_license.txt

[dart]: third\_party/dart\_LICENSE.txt

[eclipse]: third\_party/testdata/eclipse\_license.txt

[eclipse-distribution]: third\_party/testdata/eclipse\_distribution\_license.txt

[findbugs]: third\_party/testdata/findbugs\_license.txt

[gradle]: third\_party/gradle\_license.txt

[guava]: third\_party/guava\_license.txt

[gwt]: third\_party/gwt\_license.txt

[jquery]: third\_party/jquery\_license.txt

[lombok]: third\_party/testdata/lombok\_license.txt

[qunit]: third\_party/qunit\_license.txt

[rhino]: third\_party/rhino\_LICENSE.txt

[rxjava]: third\_party/testdata/rxjava\_license.txt

[spring]: third\_party/testdata/spring\_license.txt

[assemblyscript]: third\_party/assemblyscript\_license.txt