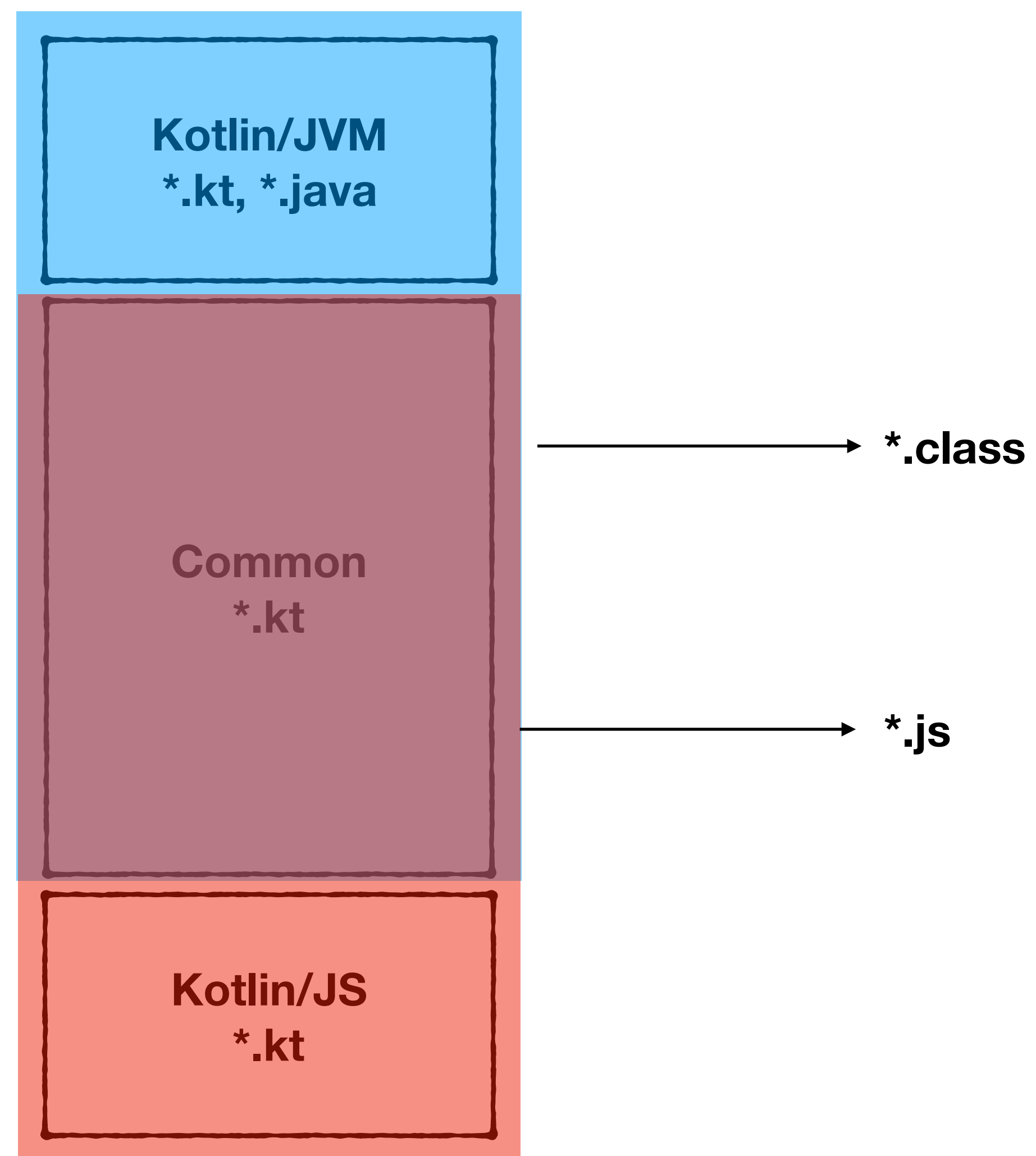


What's New and Cool in Kotlin Tools



Dmitry Jemerov
[@inteliyole](#)

Multiplatform projects




```
package kotlin.date

expect class Date() {
    ...
    fun getFullYear(): Int
    ...
}
```

Common

```
package kotlin.date
```

```
actual class Date {
    private val calendar: Calendar
    ...
    actual fun getFullYear() =
        calendar[YEAR]
    ...
}
```

JVM

```
package kotlin.date
```

```
actual external class Date {
    actual fun getFullYear(): Int
}
```

JS

```
expect fun parseDate(dateString: String): Date
```

```
expect fun Date.toReadableDateString(): String
```

Common

```
package kotlin.date  
  
expect class Date() {  
    ...  
    fun getFullYear(): Int  
    ...  
}
```

```
fun isSameDate(from: Date, to: Date) =  
    from.getFullYear() == to.getFullYear() && ...
```

Common


```
package kotlin.test.annotations
```

```
actual typealias Test = org.junit.Test
```



```
apply plugin: 'kotlin-platform-common'
```

```
dependencies {  
    compile "org.jetbrains.kotlin:kotlin-stdlib-common:$version"  
}
```

Common


```
apply plugin: 'kotlin-platform-jvm'

dependencies {
    compile "org.jetbrains.kotlin:kotlin-stdlib-jre8:$version"
    expectedBy project(":konf-common")
}
```

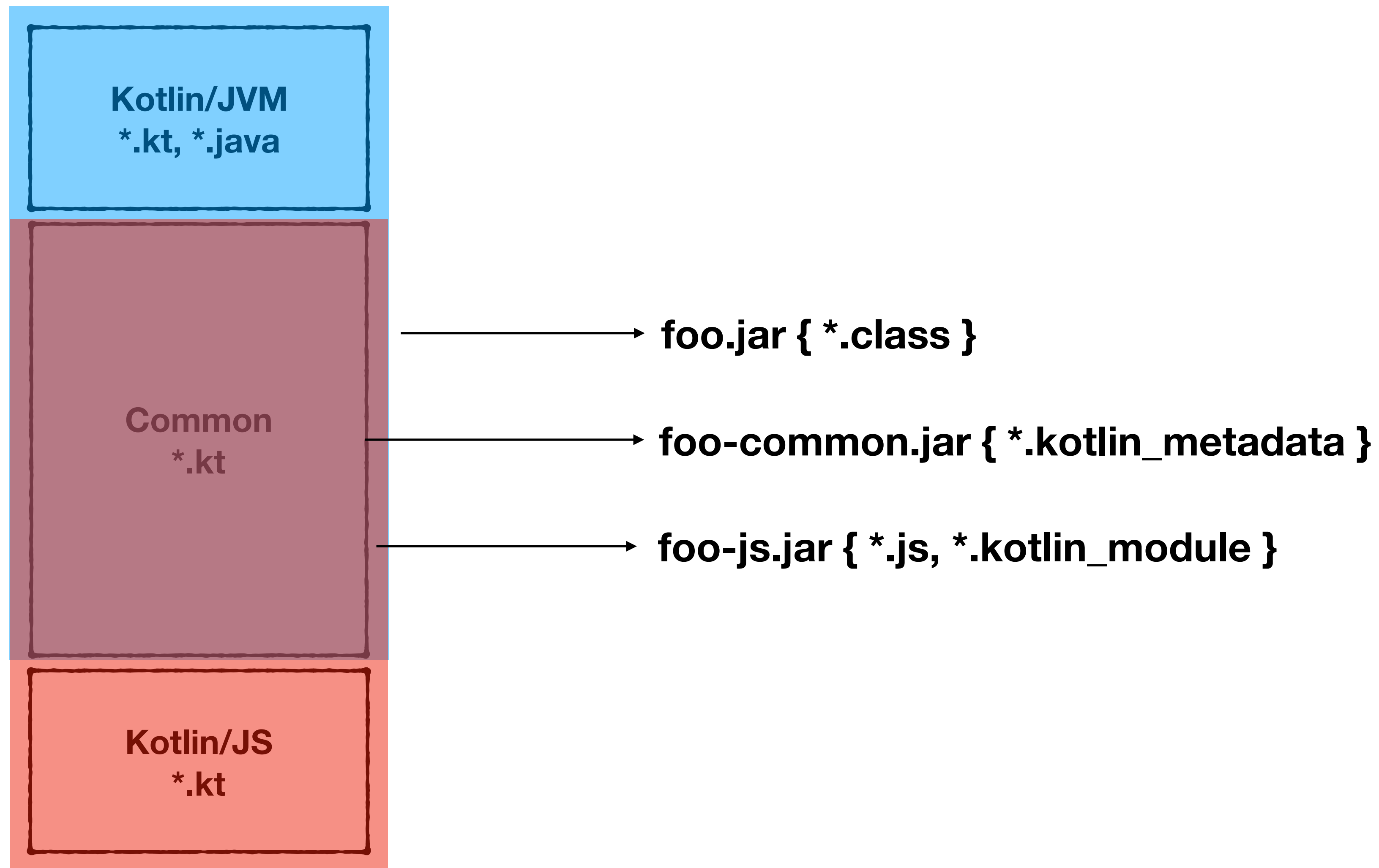
JVM

```
import kotlin.test.Test
import kotlin.test.assertEquals

class DateTest {
    @Test fun testParse() {
        val date = parseDate("2017-11-02")
        assertEquals(2017, date.getFullYear())
    }
}
```

Common

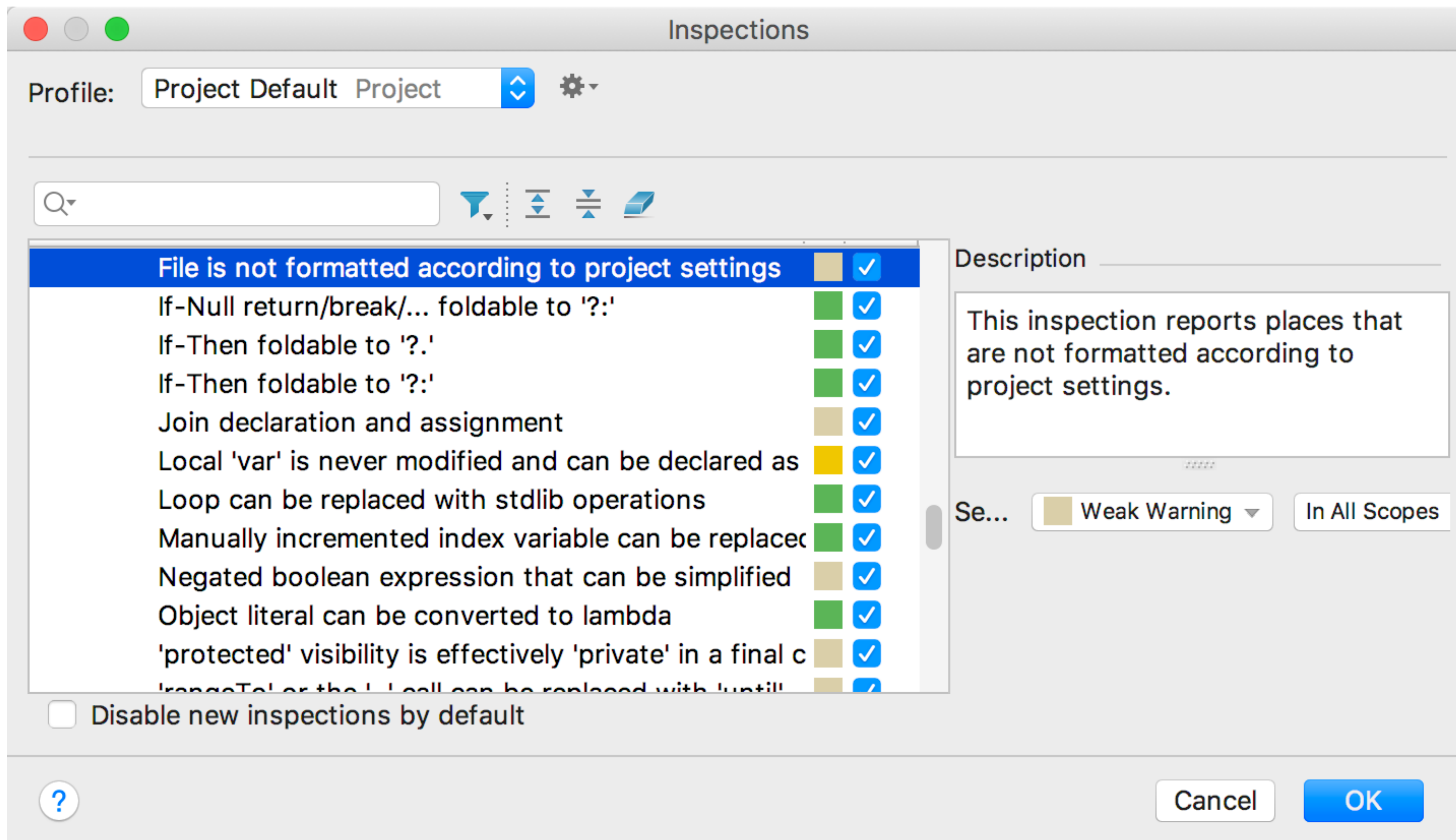
Common Libraries



Idiomatic Kotlin



<http://jb.gg/kotlin-style-draft>



Inspections

Profile:

Project Default Project



▼ Naming conventions

Class naming convention

Const property naming convention

Enum entry naming convention

Function naming convention

Local variable naming convention

Object property naming convention

Package naming convention

Private property naming convention

Property naming convention

► Other problems



Disable new inspections by default

Description

Reports class names that do not follow the recommended naming conventions.

Se...

Weak Warning

In All Scopes

Options

Pattern:

[A-Z][A-Za-z\d]*



Cancel

OK

IDE Goodness

Editor > Font

Font:

Fira Code



Size:

12

Line spacing:

1.0

Fallback font:

<None>



Enable font ligatures

Editor > Color Scheme > Language Defaults

[Reset](#)

Scheme:

Default



- Bad character
- ▶ Braces and Operators
- ▶ Classes
- ▶ Comments
- ▶ Identifiers
- Inline parameter hint
- Inline parameter hint (highlighted)
- Keyword
- ▶ Markup
- Metadata
- Number
- Semantic highlighting
- ▶ String
- Template language

☒ Semantic highlighting

Assign each parameter or variable its own color from the spectrum below:

Color #1

9B3B6A

Color #2

114D77

Color #3

BC8650

Color #4

005910

Color #5

BC5150

Static Analysis

Build Tools



Build Tools

- Incremental compilation everywhere
 - [x] JVM
 - [x] JS (1.1.60)
 - [] Multiplatform
 - [] kapt
 - [] Native
- Working on integration with Gradle incremental compilation
- Working on support for Gradle build cache



Thank you!



Dmitry Jemerov

[@inteliyole](#)

#kotlinconf17




```
import io.reactivex.Flowable
import io.reactivex.schedulers.Schedulers
```

```
Flowable
```

```
    .fromCallable {
        Thread.sleep(1000) // imitate expensive computation
        "Done"
    }
    .subscribeOn(Schedulers.io())
    .observeOn(Schedulers.single())
    .subscribe(::println, Throwable::printStackTrace)
```





This is a headline

followed by subtext

Lorem ipsum dolor sit amet, ea eius vivendum quaestio vix, qui at iusto tollit. Te has constituto interpretaris, ex modo legimus vel. Est tritani reprimique ne, doctus meliore complectitur et duo, nam ex quod meis forensibus. Modus munere vel no, etiam possim quaestio eam te, eum putant fierent legendos ut. Eos inani optione, id modus ornatus per.

Hinc quot minimum id est, ne assum tincidunt quo. Ferri deleniti electram ad vel. Vix dolorem facilisi et, est graeci vidisse at. Ea quo falli occurreret, veri aliquip fuisset ex usu.

Photo caption





Lorem ipsum dolor sit amet, ea eius vivendum quaestio vix, qui at iusto tollit. Te has constituto interpretaris, ex modo legimus vel. Est tritani reprimique ne, doctus meliore complectitur et duo, nam ex quod meis forensibus. Modus munere vel no, etiam possim quaestio eam te, eum putant fierent legendos ut. Eos inani option ne, id modus ornatus per.

Life would be
much easier if I had
the source code



Chart headline

