

Kotlin 1.0 - Release Notes

- [1.0.9-funcrel](#)
 - [Other Updates](#)
- [1.0.8-funcrel](#)
 - [Other Updates](#)
 - [Rules](#)
- [1.0.7-funcrel](#)
 - [Resolved Issues](#)
 - [Other Updates](#)
- [1.0.6-funcrel](#)
 - [Resolved Issues](#)
 - [Other Updates](#)
- [1.0.5-funcrel](#)
 - [Other Updates](#)
- [1.0.4-funcrel](#)
 - [Resolved Issues](#)
- [1.0.3-funcrel](#)
 - [Resolved Issues](#)
 - [New Support](#)
- [1.0.2-funcrel](#)
 - [Resolved Issues](#)
- [1.0.1-funcrel](#)
 - [Link Improvements](#)
 - [Other Updates](#)
- [1.0.0-funcrel](#)
 - [Other Updates](#)
- [1.0.0-beta3](#)
 - [Other Updates](#)
 - [Rules](#)
 - [Transaction Improvements](#)
- [1.0.0-beta2](#)
 - [Other Updates](#)
 - [Rules](#)
- [1.0.0-beta1](#)
 - [New Support](#)

1.0.9-funcrel

Other Updates

Details
HTTP web services are missing when they are defined with a variable.

1.0.8-funcrel

Other Updates

Details
Do not analyse test files (name ending with "Spec").

Rules

Rule Id	New Rule	Details
1030018	FALSE	All checks are not done (KOTLIN-86) for the rule "Avoid hard-coded network resource names (Kotlin)".

1.0.7-funcrel

Resolved Issues

Customer Ticket Id	Details
32761	Analysis warning: An error occurred on file (TypeError: Can't convert 'NoneType' object to str implicitly).
32903	Links to methods are missing.

Other Updates

Details
RN url in nuspec is not correct.

1.0.6-funcrel

Resolved Issues

Customer Ticket Id	Details
32407	Missing link from Kotlin method sendCheckoutProgress to Kotlin function checkoutProgress.
32193	Analysis warnings: [com.castsoftware.kotlin] An error occurred on file XXXX.

Other Updates

Details
Extension not Linux compliant.
GUID duplicate found on CAST_Kotlin_Lambda and CAST_Kotlin_Anonymous_Class

1.0.5-funcrel

Other Updates

Details
GUID duplicate found: CAST_Kotlin_Anonymous_Class message in the loh file.

1.0.4-funcrel

Resolved Issues

Customer Ticket Id	Details
28803	The rule: "Avoid artifacts having recursive calls" is showing false positive when method or function call is done through variable named "delegate".
29056	Kotlin extension Warning: An error occurred on file xxxx while Computing services during analysis.

1.0.3-funcrel

Resolved Issues

Customer Ticket Id	Details
26696	Kotlin missing links between methods

New Support

Summary	Details
Support of Spring Operations	See documentation (https://doc.castsoftware.com/display/TECHNOS/Kotlin++1.0#Kotlin1.0-Supportedframeworks)
Support of Spring Beans	See documentation (https://doc.castsoftware.com/display/TECHNOS/Kotlin++1.0#Kotlin1.0-Supportedframeworks)
Support of Spring JDBC Template for procedures calls	See documentation (https://doc.castsoftware.com/display/TECHNOS/Kotlin++1.0#Kotlin1.0-Supportedframeworks)

1.0.2-funcrel

Resolved Issues

Customer Ticket Id	Details
27102	[Onboarding] Extension com.castsoftware.kotlin has encountered an issue

1.0.1-funcrel

Link Improvements

Callee Type	Caller Type	Details
All	All	Some constructors are badly parsed when they do not contain a bracketed block (KOTLIN-46).
All	methods	Links should be to class methods instead of interface methods (KOTLIN-49).
All	init methods	Some callLinks should not have class for caller, but init method of the class (KOTLIN-45).
All	methods	Missing many links to methods (KOTLIN-47).
All	All	"by lazy" is not supported for val initialization (KOTLIN-50).

Other Updates

Details
Number of lines of comments were wrong.
KOTLIN extension is deleting too many links at application level (caller or callee with ObjTyp 1000007: UA files).

1.0.0-funcrel

Other Updates

Details
Missing Link from Kotlin to Java
Support of extension functions
Enhance links for transactions

1.0.0-beta3

Other Updates

Details
Remove useless R links to classes
GUID duplicate found : CAST_Kotlin_Lambda on test files
Kotlin Methods are created without Name
No function found for None under com.fernandocejas.sample.core.functional.Either
An error occurred on file: XXX

Rules

Rule Id	New Rule	Details
7156	FALSE	Avoid Too Many Copy Pasted Artifacts

Transaction Improvements

Type	Framework
Support Retrofit webservice	Retrofit

1.0.0-beta2

Other Updates

Details
Automatic discovery and configuration of Kotlin files
Support of "if" as expression (internal)
Support of IncludedFoldersActivity::class.java as identifier pointing to a class (internal)
Enhance ast considering basic types, ranges, spread operator, arrayOf type, vararg (internal)
Enhance links for transactions
Duplicate guides on Lambdas

Rules

Rule Id	New Rule	Details
1030000	TRUE	Avoid "when" statement or expression without an else (Kotlin)
1030002	TRUE	Avoid using "Throwable.printStackTrace()" with no argument (Kotlin)
1030004	TRUE	Avoid using "foreach" to iterate over a explicit range (Kotlin)
1030006	TRUE	Avoid large Classes - too many Methods (Kotlin)
1030008	TRUE	Avoid large Files - too many Lines of Code (Kotlin)
1030010	TRUE	Avoid large Methods - too many Lines of Code (Kotlin)
1030012	TRUE	Avoid using weak encryption algorithm as DES and tripleDES (Kotlin)

1030014	TRUE	Avoid using RSA Cryptographic algorithms without OAEP (Optimal Asymmetric Encryption Padding) (Kotlin)
1030016	TRUE	Avoid hardcoded passwords and credentials (Kotlin)
1030018	TRUE	Avoid hardcoded network resource names (Kotlin)
1030020	TRUE	Avoid unhandled Exceptions in servlet methods (Kotlin)
1030022	TRUE	Avoid passing an existing array with spread operator as an argument using vararg as parameters (Kotlin)

1.0.0-beta1

New Support

Summary	Details
Kotlin Support	Initial Support for Kotlin Language