

Kotlin for Spring developers cheat sheet

IntelliJ IDEA

Convert Java to Kotlin	Menu option: Code > Convert Java File to Kotlin File
Default keymap	https://resources.jetbrains.com/storage/products/intellij-idea/docs/IntelliJIDEA_ReferenceCard.pdf

Build configuration

Maven	https://kotlinlang.org/docs/reference/using-maven.html
Gradle	https://kotlinlang.org/docs/reference/using-gradle.html

Documentation

Kotlin Reference	https://kotlinlang.org/docs/reference/
Spring Framework Kotlin Support	https://docs.spring.io/spring/docs/current/spring-framework-reference/languages.html#kotlin
Spring Boot Kotlin Support	https://docs.spring.io/spring-boot/docs/current/reference/html/spring-boot-features.html#boot-features-kotlin

Training material

Kotlin Bootique Documentation	https://github.com/sourcelabs-nl/kotlin-bootique
Kotlin Bootique Exercises	https://github.com/sourcelabs-nl/kotlin-bootique-exercises
Coursera Kotlin for Java Developers	https://www.coursera.org/learn/kotlin-for-java-developers/
Kotlin Koans	https://play.kotlinlang.org/koans/overview

Kotlin stdlib

Kotlin Standard library	https://github.com/JetBrains/kotlin/tree/master/libraries/stdlib/src/kotlin
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Spring Kotlin Extensions

RestOperationsExtensions	https://github.com/spring-projects/spring-framework/blob/master/spring-web/src/main/kotlin/org/springframework/web/client/RestOperationsExtensions.kt
JdbcOperationsExtensions	https://github.com/spring-projects/spring-framework/blob/master/spring-jdbc/src/main/kotlin/org/springframework/jdbc/core/JdbcOperationsExtensions.kt
Bean definition extensions	https://github.com/spring-projects/spring-framework/tree/master/spring-context/src/main/kotlin/org/springframework/context/support
Spring Boot extensions	https://github.com/spring-projects/spring-boot/blob/master/spring-boot-project/spring-boot/src/main/kotlin/org/springframework/boot/SpringApplicationExtensions.kt

Libraries

mockito-kotlin	https://github.com/nhaarman/mockito-kotlin
MockK	https://github.com/mockk/mockk
Jackson-module-kotlin	https://github.com/FasterXML/jackson-module-kotlin