

Tchelinux Bagé 2018



unipampa

Universidade Federal do Pampa

ENGENHARIA DE
COMPUTAÇÃO



Kotlin: como começar

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1. Introdução
2. Características
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5. Interoperabilidade com Java
6. Comunidade
7. Referências



Introdução

- Linguagem de programação JVM
- JetBrains
- Open Source
- Google I/O - linguagem oficial desenvolvimento android



- Compatibilidade do Java
- JetBrains uso interno



- Comunidade
- Google I/O 2017 - linguagem oficial de desenvolvimento android



Build Applications For



JVM



Android



Browser



Native

Why Kotlin?



Concise

Drastically reduce the amount of boilerplate code.

[See example](#)



Safe

Avoid entire classes of errors such as null pointer exceptions.

[See example](#)



Interoperable

Leverage existing libraries for the JVM, Android, and the browser.

[See example](#)



Tool-friendly

Choose any Java IDE or build from the command line.

[See example](#)



SDKMAN!

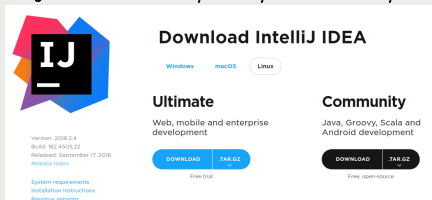
- `$ curl -s https://get.sdkman.io | bash`

Compilador (Kotlin)

- `$ sdk install kotlin`

IntelliJ Studio

- <https://www.jetbrains.com/idea/download/section=linux5>



Download IntelliJ IDEA

Windows macOS **Linux**

Ultimate
Web, mobile and enterprise development
Free trial

Community
Java, Groovy, Scala and Android development
Free, open-source

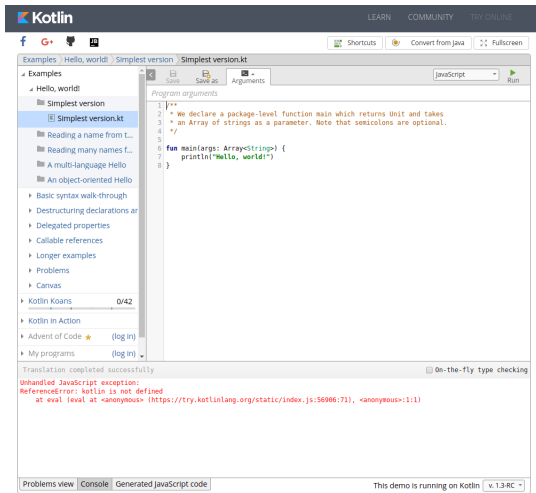
Version: 2018.2.4
Build: 182.4509.22
Released: September 17, 2018
Release notes

System requirements
Installation instructions
Previous versions



Try Kotlin

<https://try.kotlinlang.org/>



■ Koans

Sintáxe Básica

```
package hello
```

Optional package header

```
fun main(args: Array<String>) {  
    println("Hello World!")  
}
```

Package-level function,
which takes an Array of
strings as a parameter

Have you noticed?
Semicolons are optional



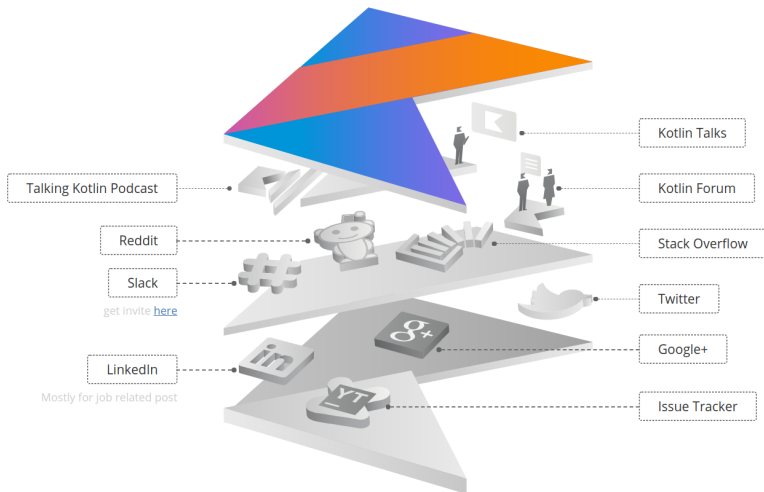
- Teste.kt
- `$ kotlinc hello.kt -include-runtime -d hello.jar`
- `$ java -jar hello.jar`



Interoperabilidade com Java



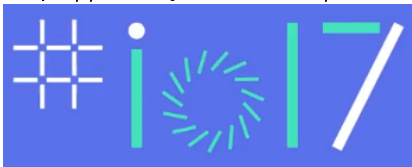
Comunidade



<https://kotlinlang.org/community/>

Referências

- <https://kotlinlang.org/>
- **Google I/O 2017**
<https://www.youtube.com/watch?v=X1RVYt2QKQE>



- **Google I/O 2018**
<https://www.youtube.com/watch?v=6P20npkvcb8>



Obrigado!

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