

# Switch to Kotlin from Java for Android Development

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## INTRODUCTION



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# How Similar Is Kotlin Compared to Java?



Both require Java Virtual Machine ( **JVM** )

- Kotlin requires **JDK** setup



Almost same compilation time

- The code is compiled to **JVM bytecode**



Both languages are easy to understand

Both languages are officially supported for Android development



# Why Switch to Kotlin from Java?

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# Overview



**Setup Kotlin environment**

**Managing Views**

- Kotlin Android Extension plugin

**Interoperability**

- Use both Kotlin and Java at the same time

**Use any Java libraries with Kotlin**



# Overview



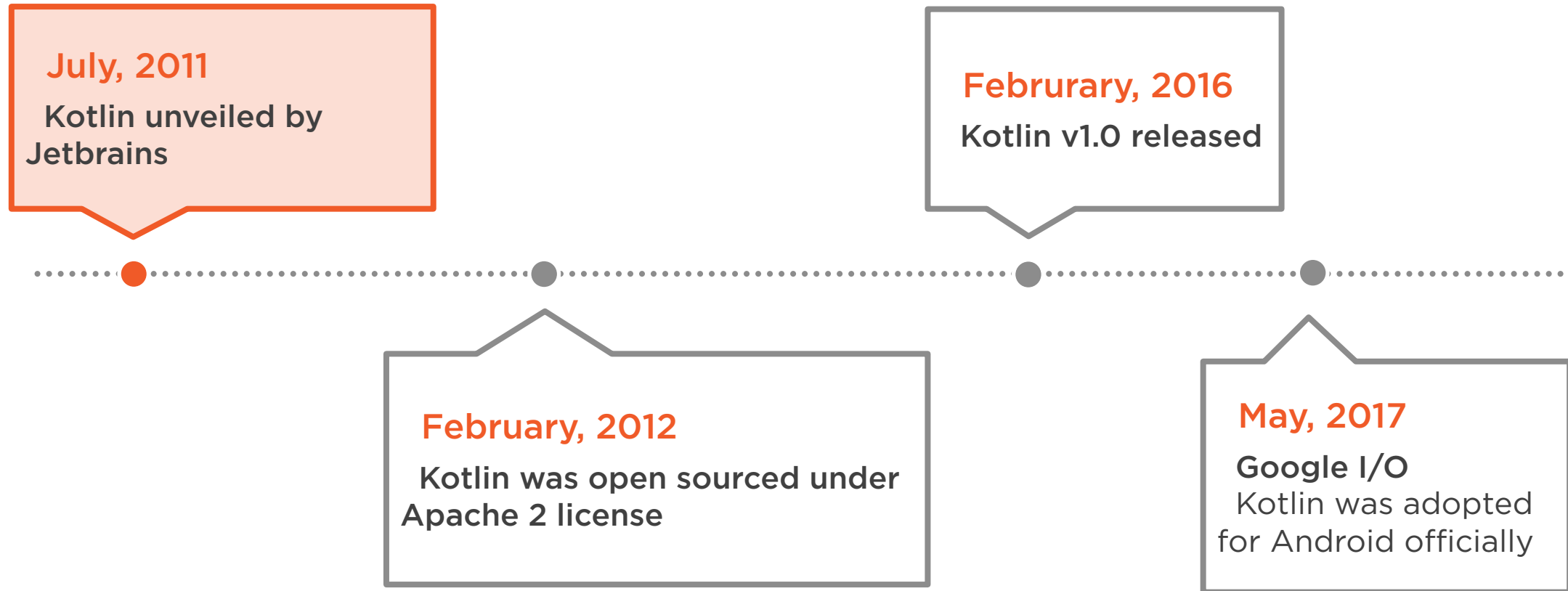
## Kotlin Class

- Object Declaration
- Companion Object
- Data Class
- Properties
- Getters and Setters

## Power of Kotlin

- Null safety operators
- Lambda Expressions
- Higher-Order Function
- Inline Function
- Extension Function

# Kotlin Timeline



# Prerequisites



**Basics of Java and Kotlin**



**Basics of Android Development**



**Go ahead and leverage the power of Kotlin**



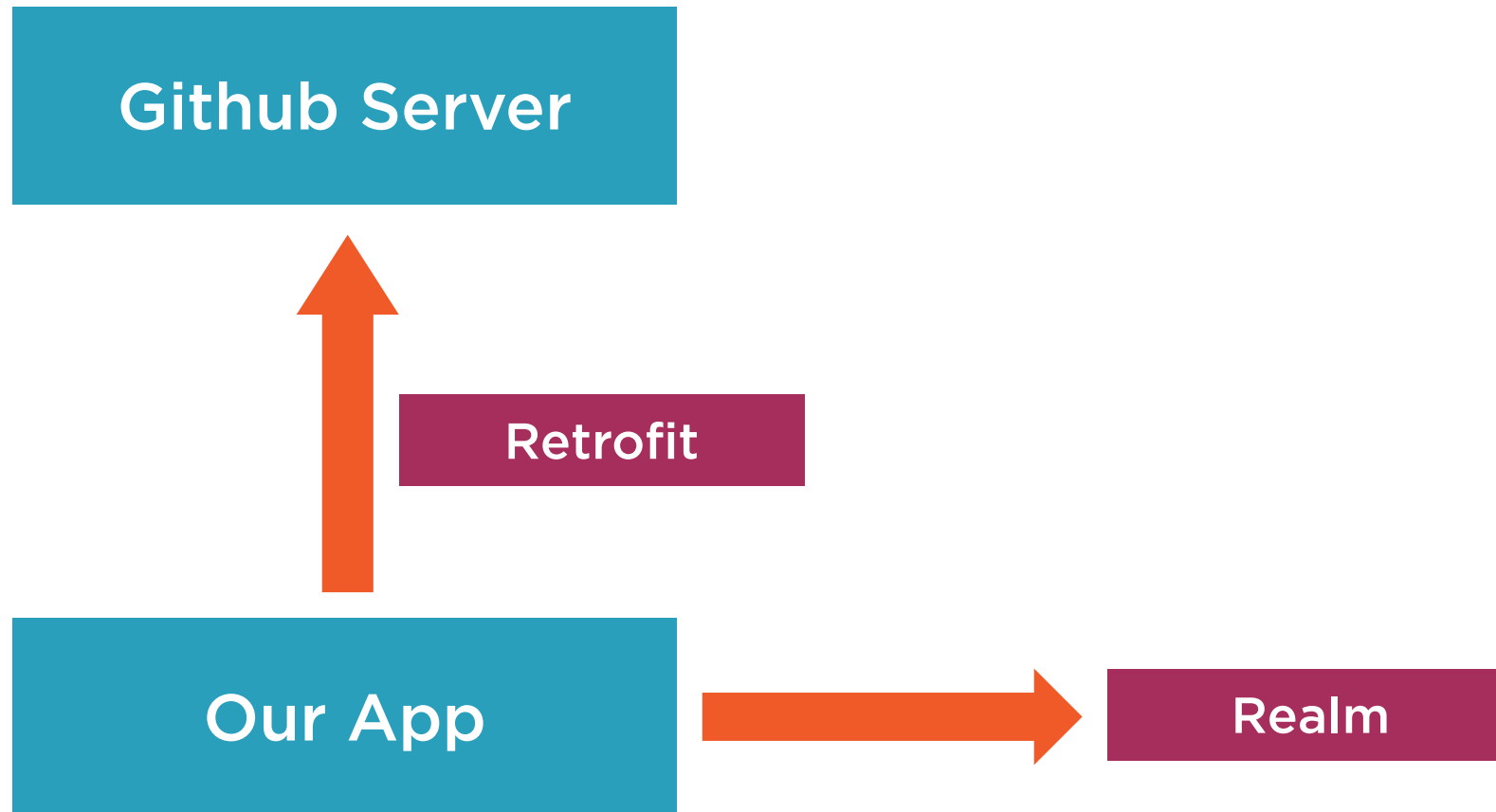
# Less Theory, More Practice

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# Our App Structure



# How to Follow Demo Videos?

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