

Kotlin Synthetic Deprecated.

Oh No!

# Someday on Google Blog

## The future of Kotlin Android Extensions

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The [Android Kotlin Extensions Gradle plugin](#) (not to be confused with [Android KTX](#)) was released in 2017 and brought two new conveniences to Android development in Kotlin:

- **Synthetics** let you replace calls to `findViewById` with `kotlinx.android.synthetic` bindings.
- **Parcelize** allows you to remove boilerplate and easily create [Parcelables](#) through the `@Parcelize` annotation.

# Ah... Google did it again...

What are our options?

- Back to use findViewById
- Use third party library, for example ButterKnife
- Use recommendation from Google that might be deprecated again in the future?

# Back to findViewById

Why would we want to back to that? It's:

- Not elegant!
- More codes to write!
- Prone to NullPointerException!

# ButterKnife is Better!

So, we check their github page

## Butter Knife


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**Attention:** This tool is now deprecated. Please switch to [view binding](#). Existing versions will continue to work, obviously, but only critical bug fixes for integration with AGP will be considered. Feature development and general bug fixes have stopped.



What!!!??? It's also deprecated :(


# We Don't Follow Google, We Follow Jake!

Looks like we don't have any other choices right? We follow our Android God, Jake Wharton!



**Jake Wharton** JakeWharton  
Pittsburgh, PA, USA

 Owns this repository  
 Committed to this repository

 Sponsor

19

Actions


Security


Insights

8 years ago

1 Butter Knife  
2 =====  
3

13 months ago

 4 **\*\*Attention\*\***: This tool is now deprecated. Please switch to  
5 `[view binding]`(<https://developer.android.com/topic/libraries/view-binding>).  
6 Existing versions will continue to work, obviously, but only critical bug fixes for integration  
7 with AGP will be considered. Feature development and general bug fixes have stopped.

 Use view binding

# Hmm... ViewBinding, sounds familiar. Is it DataBinding?

Nope
















<b>DataBinding</b>	<b>ViewBinding</b>
Binding data to views + binding views to code	Only binding views to code
Layouts need a <layout> tags	Layouts don't need a <layout> tags
Longer build time	Shorter build time
Slower than ViewBinding	Faster than DataBinding
Has type and null safety	Has type and null safety
Larger apk size (50kb)	Smaller apk size (50kb)

# How to use ViewBinding then?

Let's code! (Check the project included and follow the TODO)



# Why is ViewBinding the Best choice?

Method	Elegance	Compile Type Safety	Build Speed
<code>findViewById</code>			
Data Binding			
Butterknife			
Kotlin Synthethic			
View Binding			

# Q & A Session

# Learn More

- <https://android-developers.googleblog.com/2020/11/the-future-of-kotlin-android-extensions.html>
- <https://www.raywenderlich.com/6430697-view-binding-tutorial-for-android-getting-started>
- [https://www.youtube.com/watch?v=tiI5T17AD54&ab\\_channel=RahulPandey](https://www.youtube.com/watch?v=tiI5T17AD54&ab_channel=RahulPandey)
- <https://github.com/JakeWharton/butterknife>
- <https://developer.android.com/topic/libraries/view-binding>
- <https://developer.android.com/topic/libraries/view-binding/migration>
- <https://medium.com/@hardianbobby/databinding-vs-viewbinding-simple-comparison-792fa8d72e8>
- <https://www.just-fucking-google.it/>