



Por Pablo Insua

# Flutter & Android

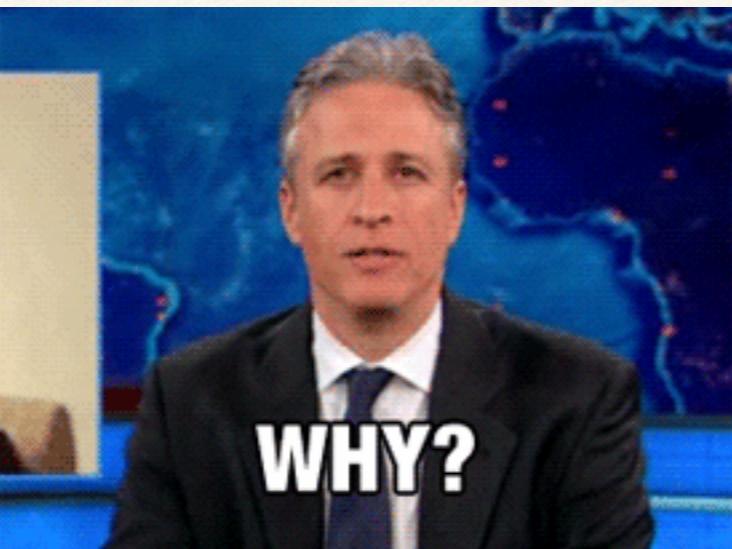
Cómo integrar un  
módulo Flutter en un  
proyecto Android

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# ¿Qué vamos a contar?

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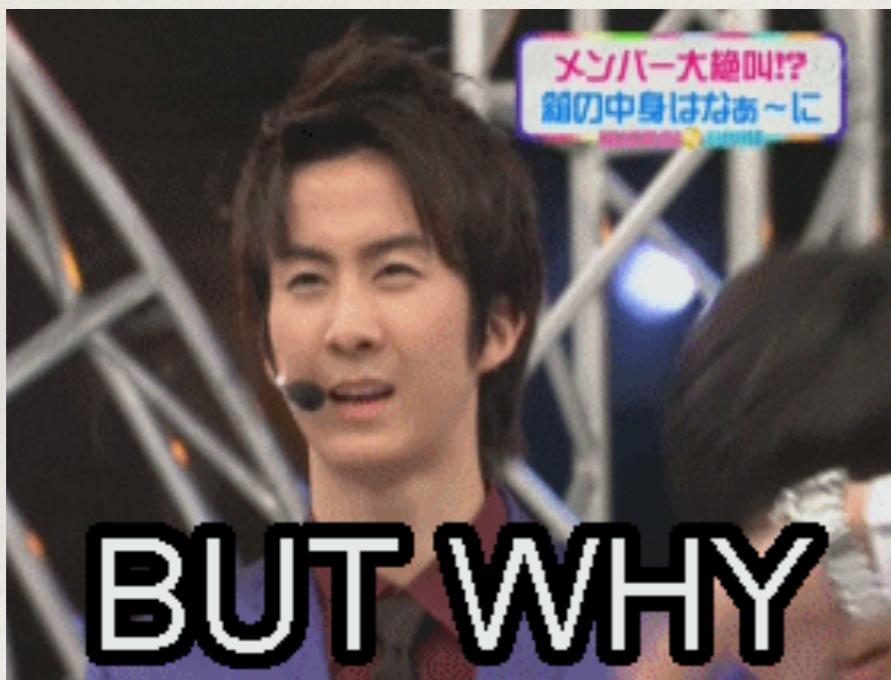
- ❖ 1 - ¿Qué es Flutter?
- ❖ 2 - Add-to-App: Integrar Flutter en Android
- ❖ 3 - Conclusiones



WHY?



WHY?



BUT WHY

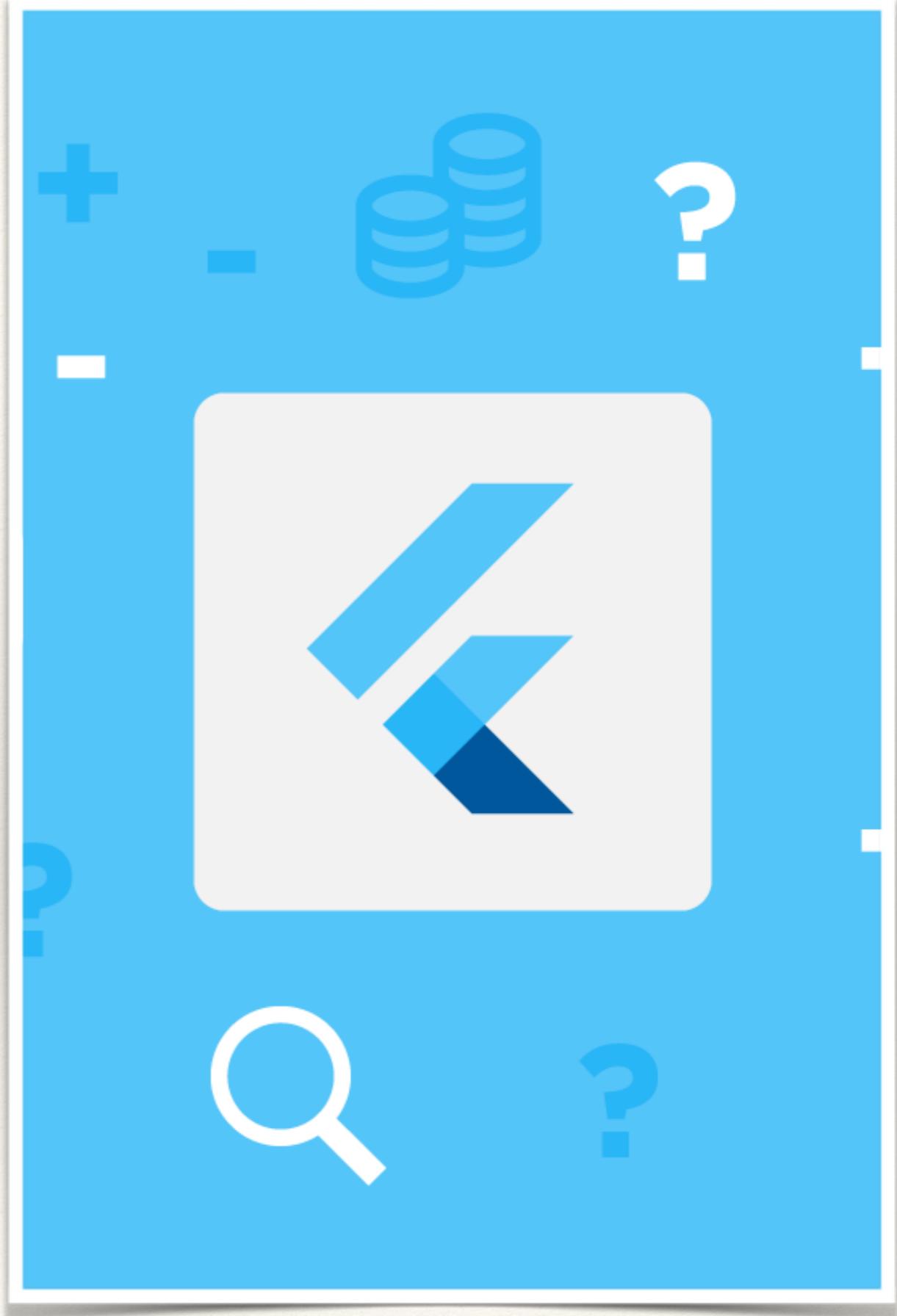


# ¿Qué es Flutter?

“Flutter es el SDK para UI de Google con el que crear aplicaciones compiladas nativamente para móvil, web y escritorio desde una única base de código”

## Características:

- Lenguaje Dart
- Compatible iOS / Android, Desktop (alpha), Web (beta)
- Rendimiento (< 5-10% respecto a aplicaciones nativas)
- Open source (alta dependencia de Google)



## Android



Project Manager, Payments  
Flexis • San Francisco, CA, US  
67 applicants

SAVE EASY APPLY

Flexis is a leading digital marketing software company, providing solutions to the architecture industry. For over 16 years, Flexis has been a pioneer and provider of internet marketing software and services, includin...

Read full job description

Expected salary Employer provided

Base salary \$88,000 - \$90,000 /yr

Additional compensation

Design

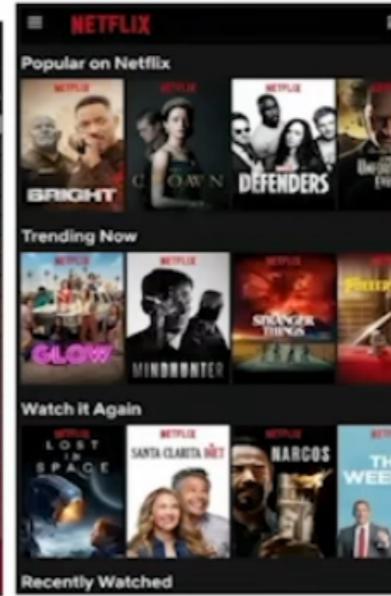
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Post Malone 8,184 listeners

Ariana Grande 1,284 listeners

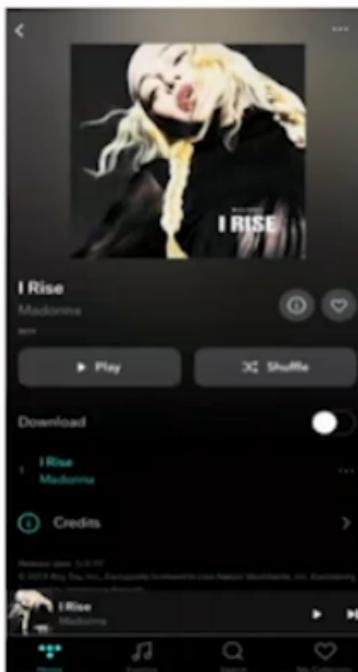
MAROON 5 3,041 listeners

Carrie Underwood 3,274 listeners

Maroon5 3,041 listeners

Better Now Post Malone

## iOS



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See more criteria

See Your Commute

Marketing

8 members

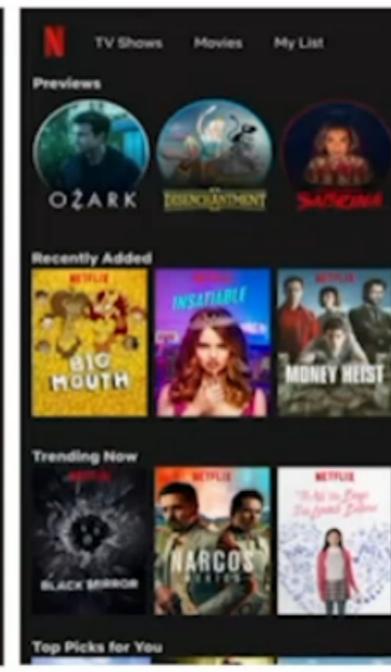
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Assets

Metronome.docx Modified 2 days ago

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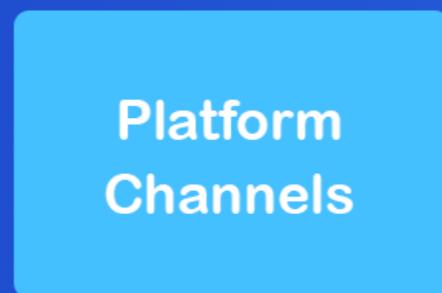
Ariana Grande 7,480 listeners

Carrie Underwood 3,194 listeners

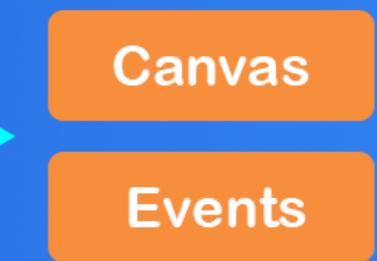
MAROON 5 3,041 listeners

Better Now Post Malone

# App



# Platform



Services



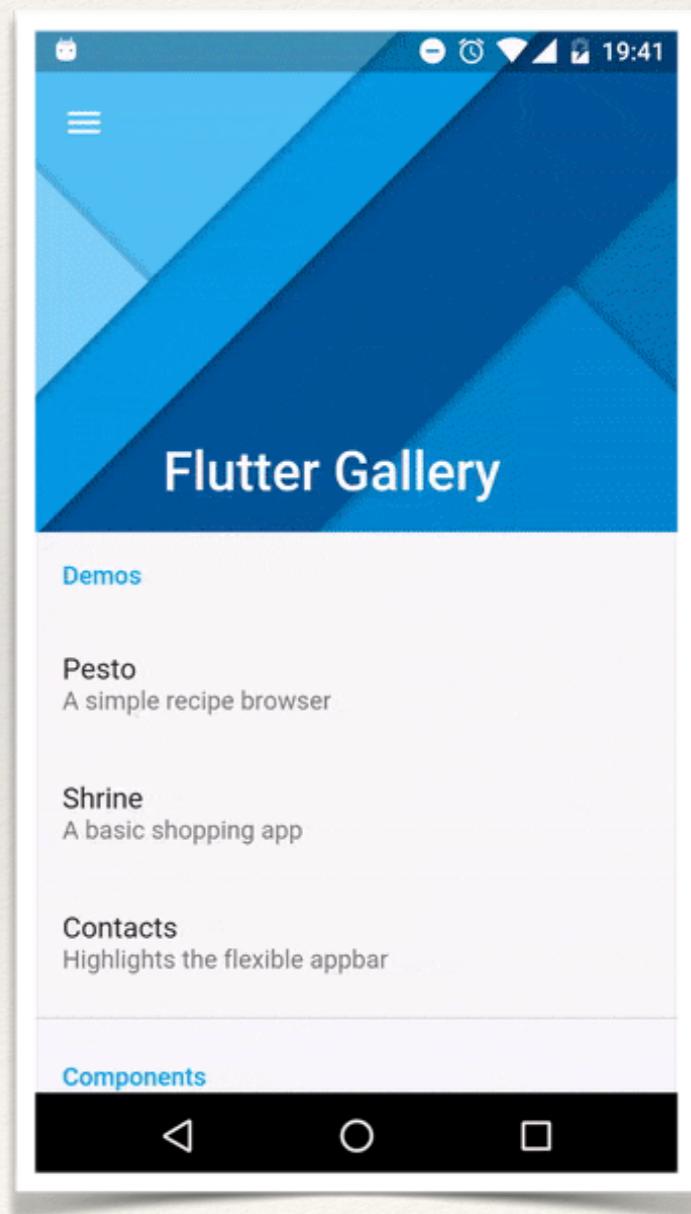
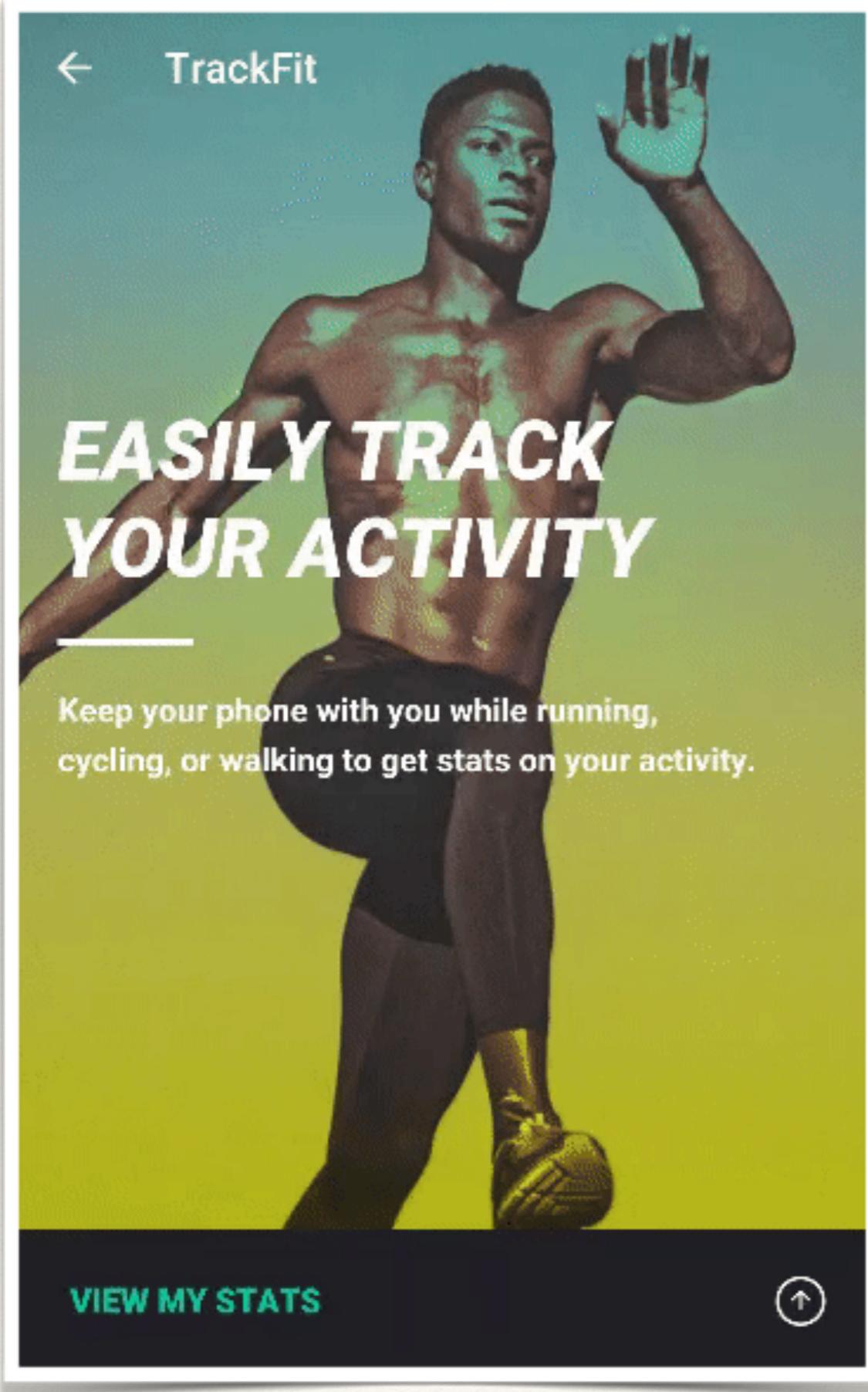
Your code

**Flutter framework in Dart**  
(widgets, gestures, etc)

**C++ Flutter engine**  
(Skia, Text, Dart runtime, dart:ui)

iOS/Android runner

**Hardware**  
GPU, ARM, x86 chips



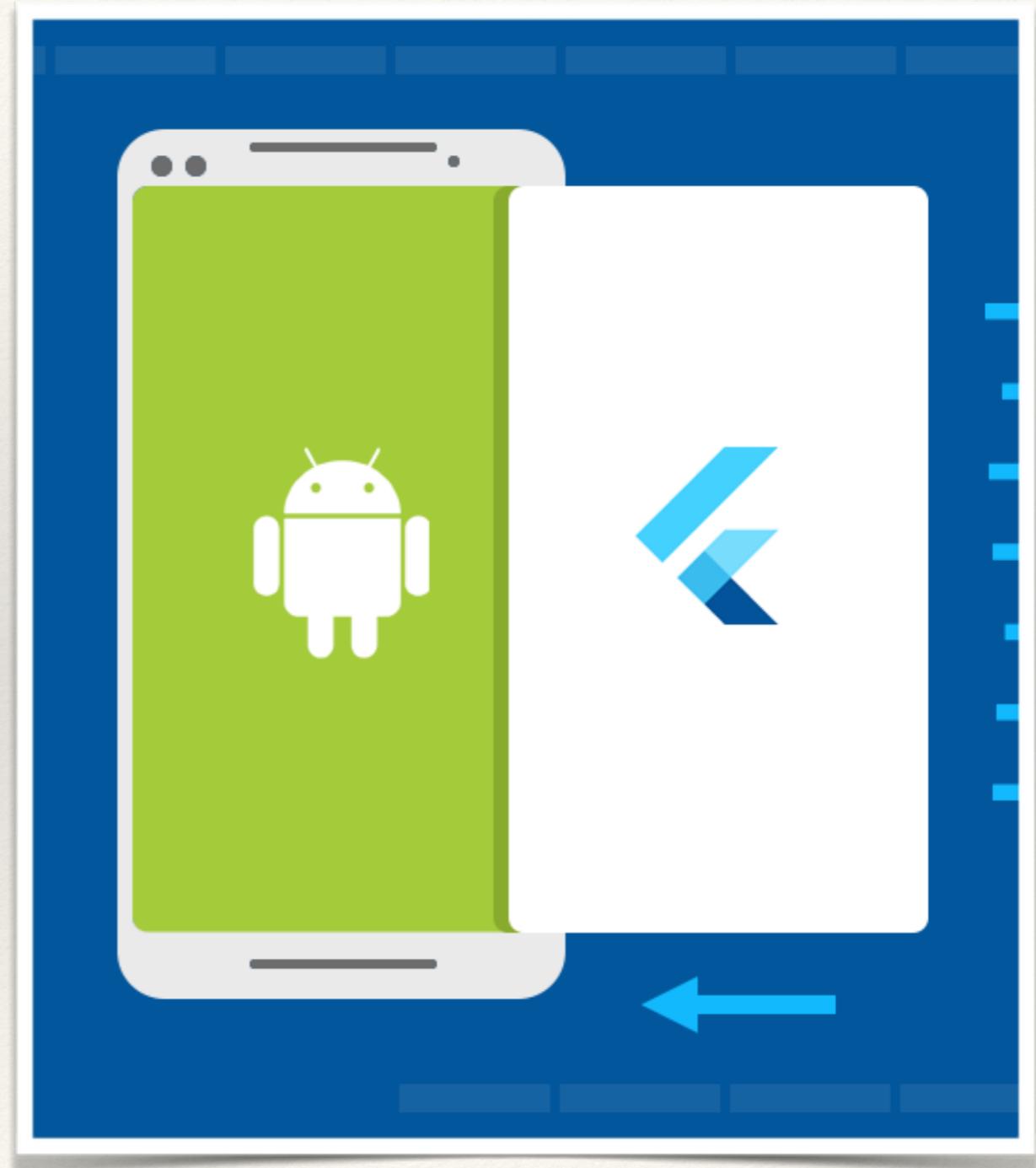
# Flutter Octopus



Flutter

# Add-to-App

- ❖ Flutter 1.12
- ❖ Limitaciones:
  - Integrar un único módulo
  - No en background
  - Tiempo de carga
- ❖ Requisitos:
  - Android Studio 3.5
  - Flutter Plugin (y el SDK)

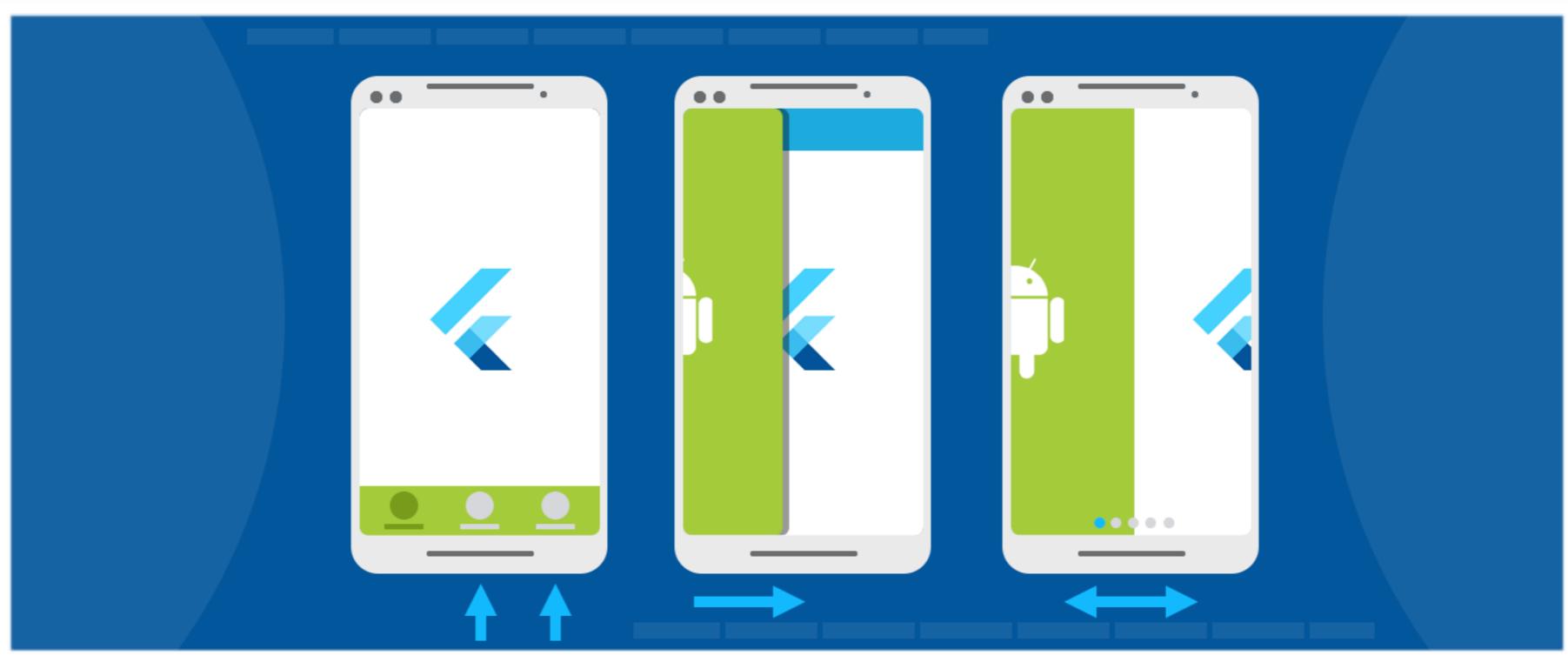
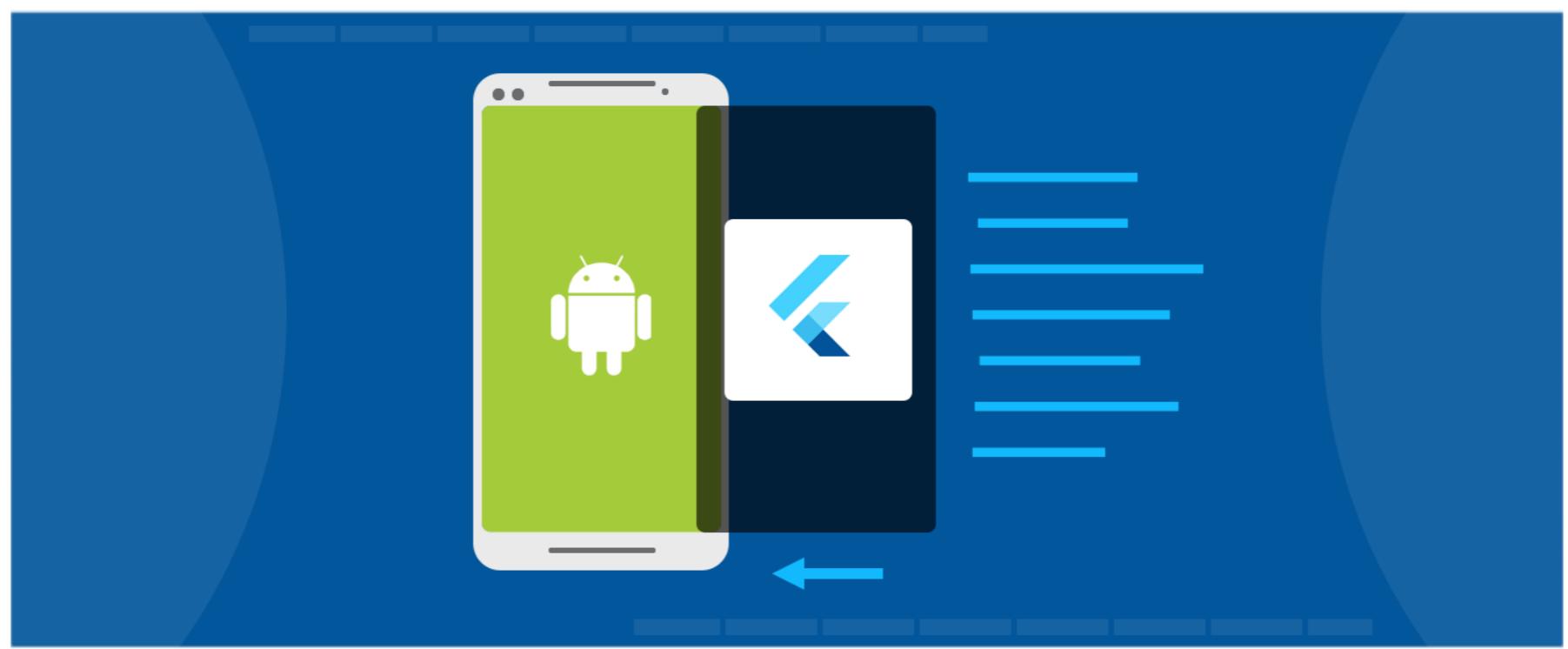




**Demo time!**



# Más detalles



# Más detalles

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- ❖ Compatible con Kotlin y Java
- ❖ El procedimiento para iOS es muy similar (compatible con Swift y Objective-C)
- ❖ Los módulos Flutter pueden interactuar con la plataforma (Android en este caso)
- ❖ Las herramientas de debugging de Flutter están disponibles, así como el Hot Reload
- ❖ Flutter está pensado para interfaces, pero el módulo puede utilizarse también sólo para procesamiento de datos

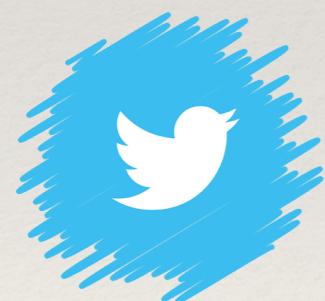
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# Conclusiones

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¡Gracias!



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