Push Notifications

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Overview

Push notification
- FCM
- APNS

Setup
- Flutter
- Android / iOS

Trigger push notification
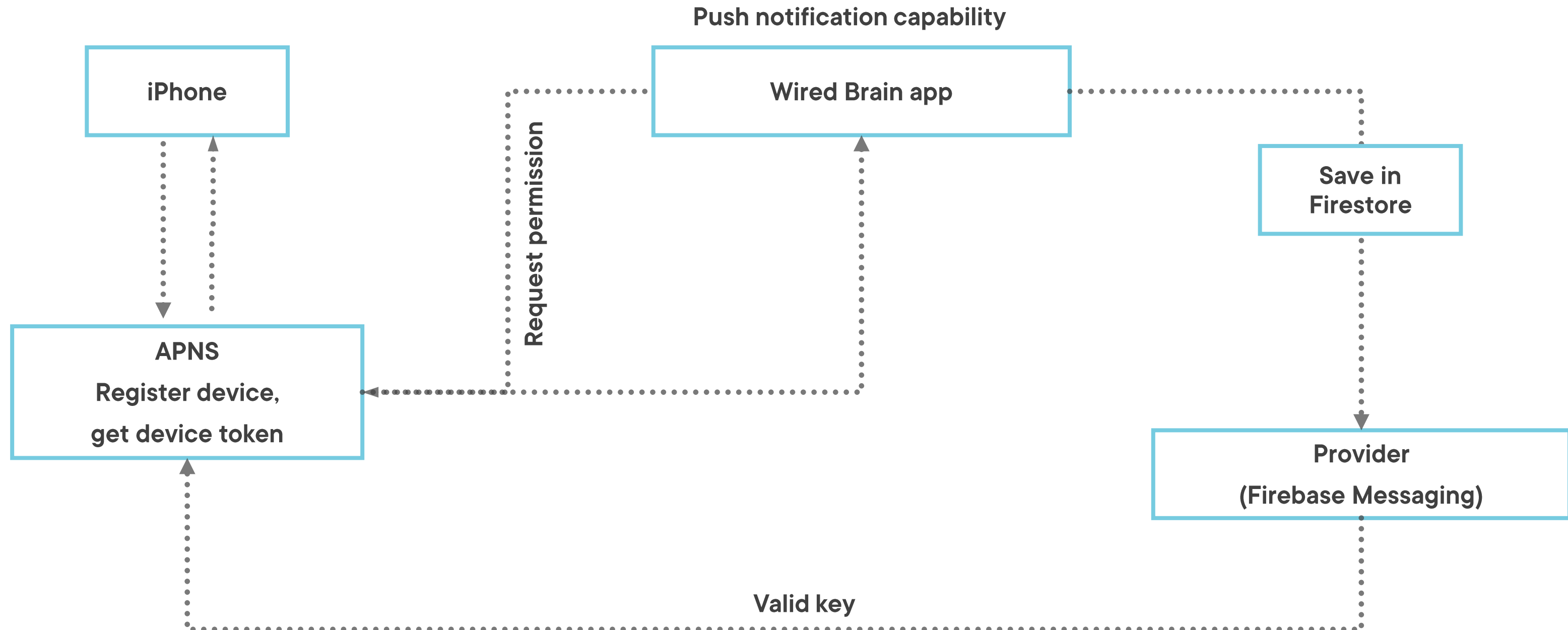- Individual
- Groups
- Topics

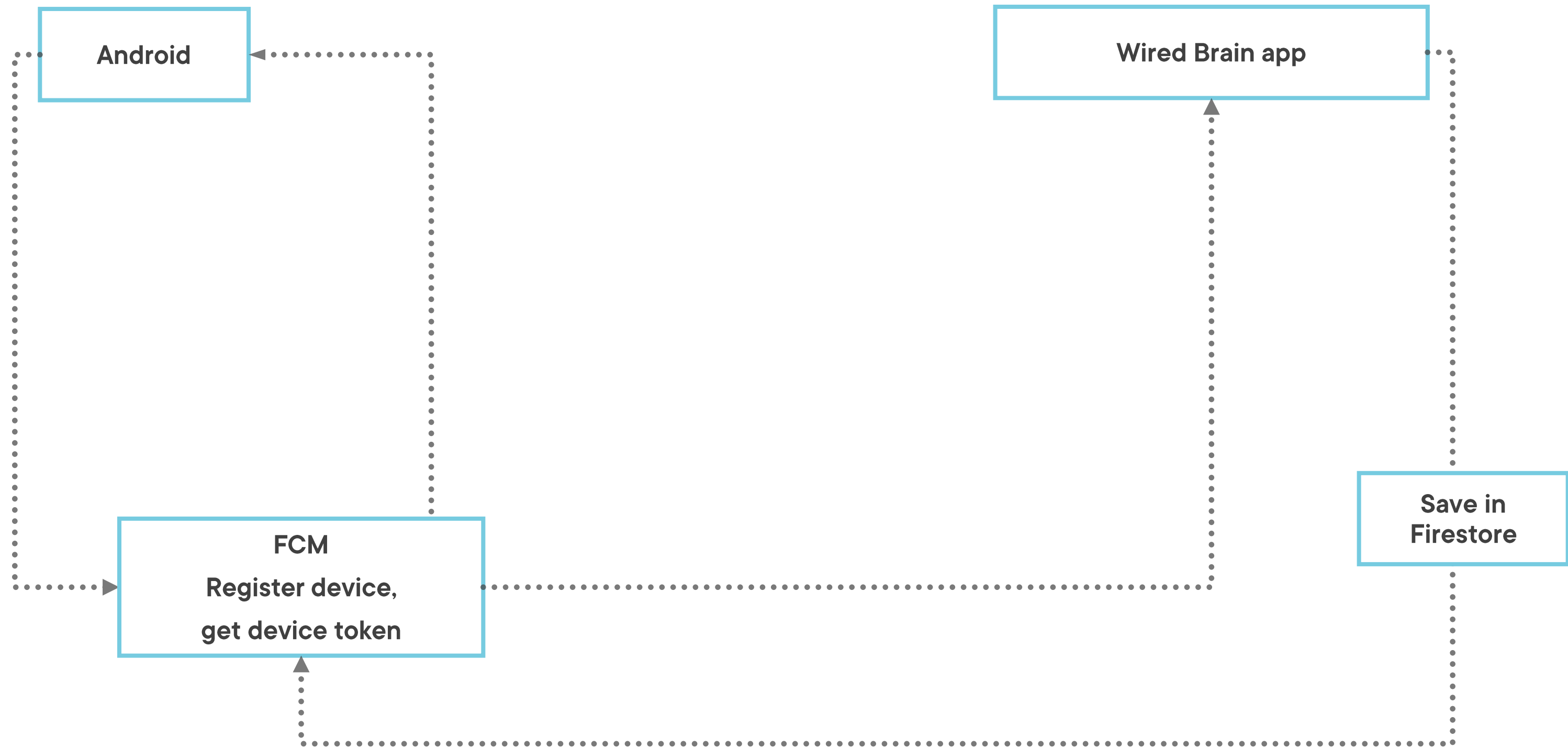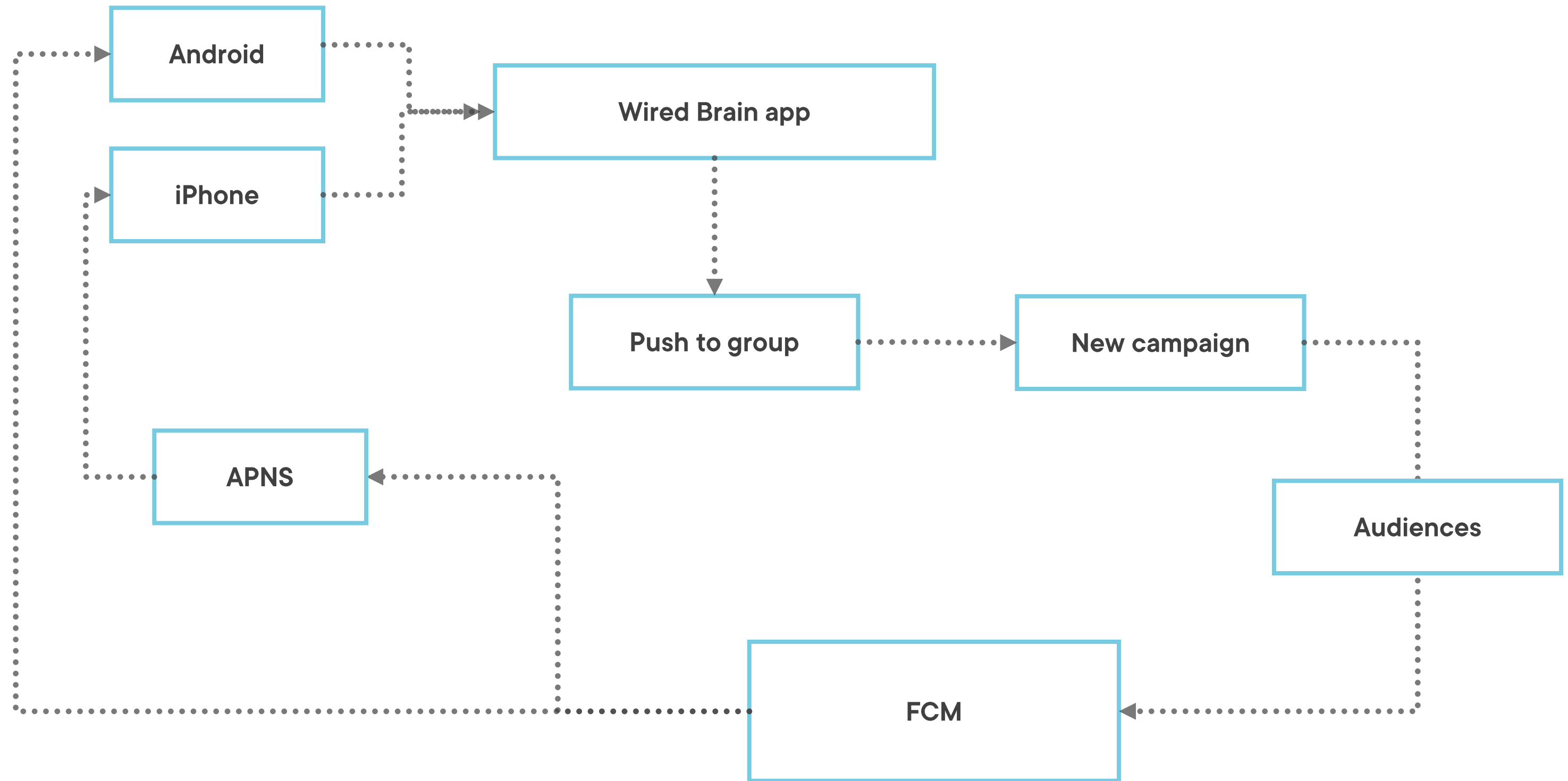**Leveraging Firebase Analytics**

FCM and APNS

Apple Push Notification Service

Push notification capability

| iPhone |
| Wired Brain app |

Request permission

| APNS |
| Register device, get device token |

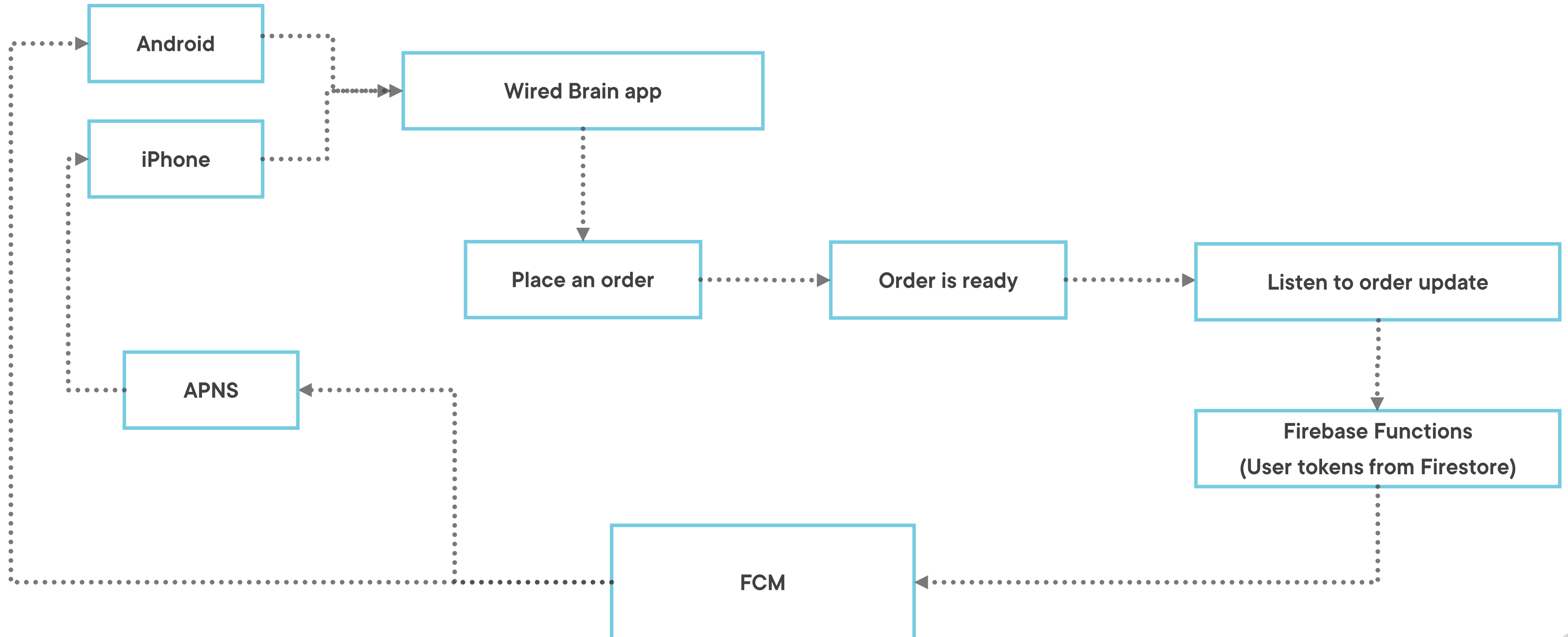| Save in Firestore |

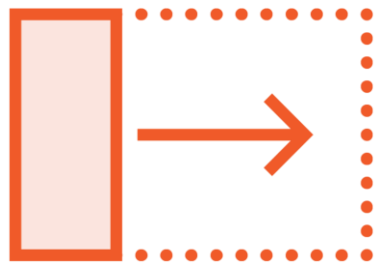| Provider (Firebase Messaging) |

Valid key

Firebase Cloud Messaging

Mass Push Notification
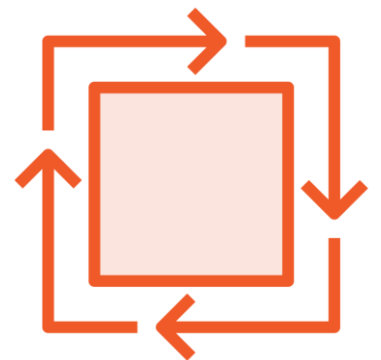
Individual Push Notification

Common Use Cases

Display a notification

Updating the applications' UI

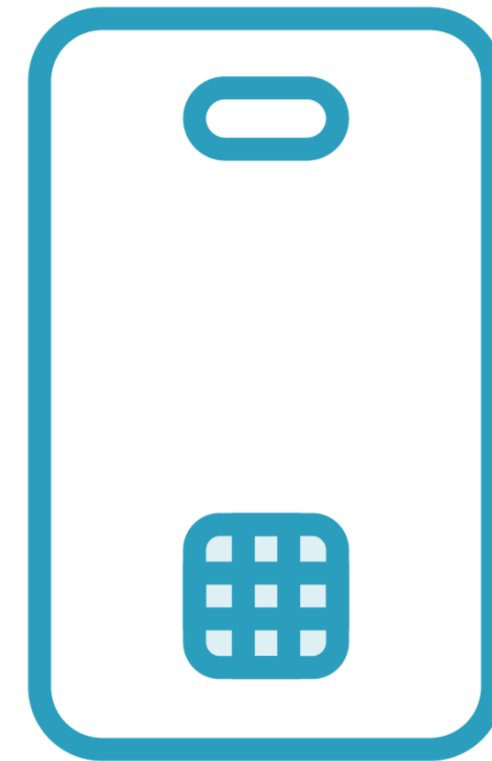**Syncing message data silently on the device**
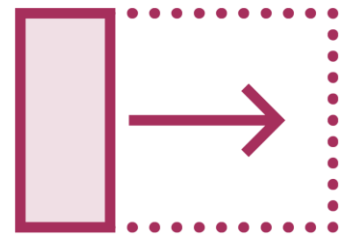
Device States

Background
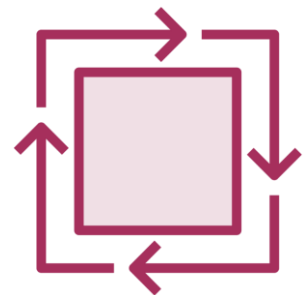
Foreground

Terminated

Authorization Status

`authorized`: **The user granted permission**

`denied`: **The user denied permission**

`notDetermined`: **The user has not yet chosen whether to grant permission**

`provisional`: **The user granted provisional permission**

Up Next:
Setup

Demo

Setup

- Android and iOS
- Install plugin
- Create MessagingService singleton

Up Next:
Mass Push Notification

Demo

Send group push notification
- Audiences (integrated with Analytics)
- Topics

Up Next:
Individual Push Notification

Demo

Store user device token in Firestore

Setup Firebase Functions
- Trigger push onUpdate order event

Send push notification to user device
- When order status is READY

Summary

Push notification
- FCM
- APNS

Setup
- Flutter
- Android / iOS

Trigger push
- Individual via Firebase Functions
  - OnUpdate order
- Groups using Firebase Analytics
  - User audiences
- Topics
  - Coffees newsletter

Up Next:
In-App Messaging