

IOS Android 에 FCM으로 Push Notification 보내기

- FCM 전체
 - Local Notification
 - your app configures the notification details locally and passes those details to the system, which then handles the delivery of the notification when your app is not in the foreground.
 - Remote Notification
 - you use one of your company's servers to push data to user devices via the Apple Push Notification service.
 - you must also provide a server environment that is capable of receiving data from user devices and sending notification-related data to the Apple Push Notification service (APNs)
 - APNs
 - the centerpiece of the remote notifications feature
 - On initial launch of your app on a user's device, the system automatically establishes an accredited, encrypted, and persistent IP connection between your app and APNs.



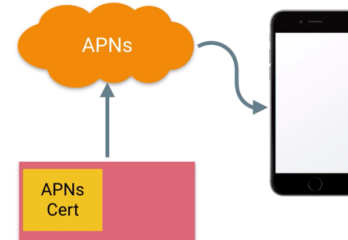
- reference
 - firebase document
 - firebase
 - Setup client app on iOS
 - Send Push Notifications to Your iOS App With Firebase Cloud Messaging
 - Understanding Firebase Cloud Messaging on iOS - Firecasts
 - How to use Apple's new .p8 certificate for APNs in firebase console

Provider가 Firebase 서버가 되겠네

- need
 - APNs Certificate
 - Allows the FCM server to talk to APNs
 - Device token
 - 어떤 디바이스에 Noti 보낼 건지 알아야 해니

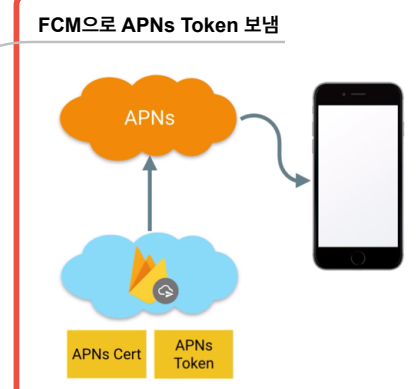
- supports two types of messages
 - notification messages
 - Facebook messenger message Noti 같은
 - data messages
 - App 이 background에 있을 때 TableView를 reload 하거나 하는 등등 작업

APNs 와 Firebase 서버가 통신할 수 있도록 APNs Cert 를 FB console에 업로드



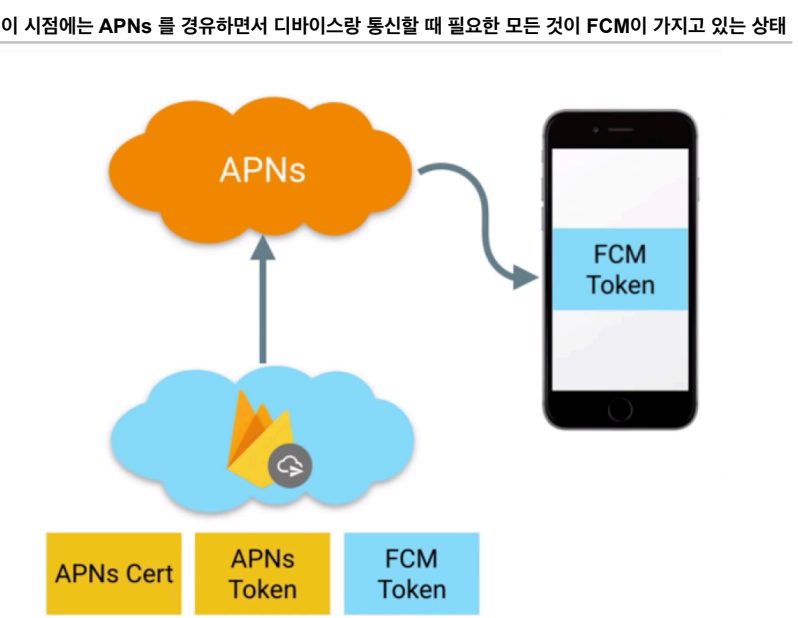
디바이스는 APNs 로 디바이스 APNs 토큰 요청

디바이스가 APNs 토큰 받어서 가지고 있고



디바이스는 입장하면 FCM Token을 받는 것

FCM 은 FCM Token 복사에서 디바이스로 보냄



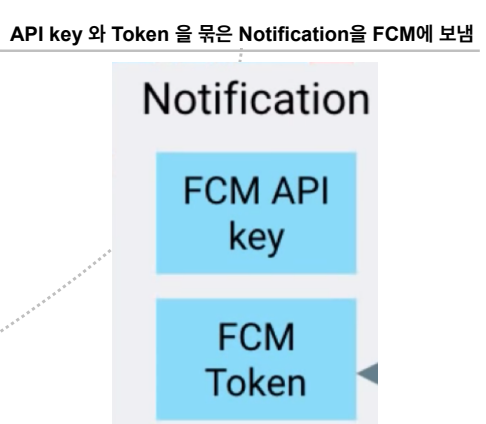
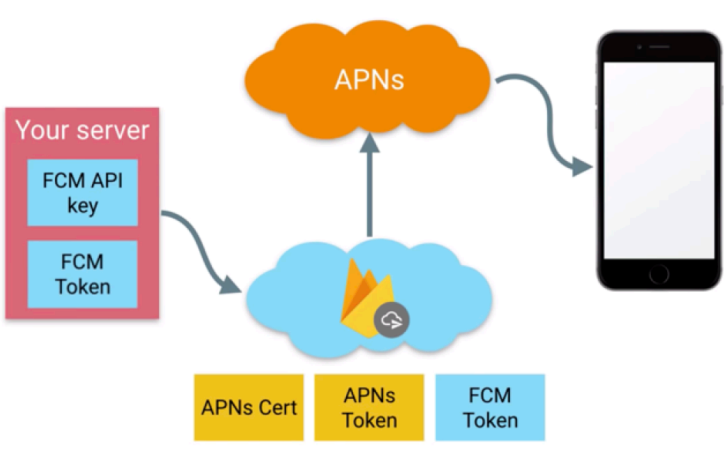
이 시점에는 APNs 를 경유하면서 디바이스랑 통신할 때 필요한 모든 것이 FCM이 가지고 있는 상태

발간 표시가 내가 해야할 것 Behind the Scene

내 서버는 App 대신에 FCM 서버와 통신하기 위해 내 서버에 FCM API key 필요

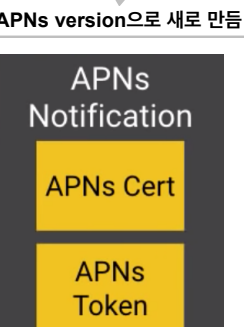
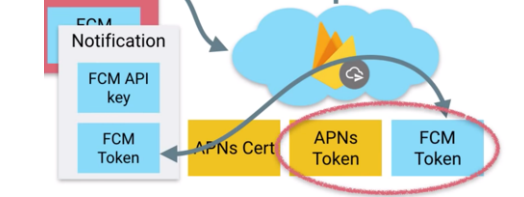
API Key 는 FB console에서 받으면 됨

FCM 토큰을 디바이스로부터 받음



FireBase는

FCM Token 을 해당하고 그에 연결이있는 APNs Token 을 알 수 있음

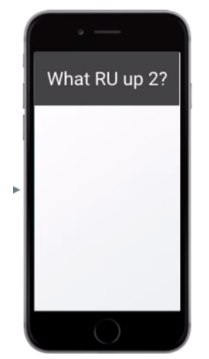


APNs version으로 새로 만들

APNs 로 보냄

APNs가 IOS device로 Noti 보냄

Noti show up



Tutorial

Terms

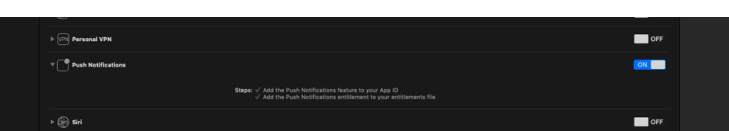
CSR

Certificate Signing Request

Generate an APNs certificate on Apple's Developer portal

Enable Push Notification in Firebase Cloud Messaging Console

Add the Firebase Cocoa dependencies to your Pod file



Write the code to generate the push notification token

Send a push notification from Firebase Notifications dashboard