

Spring project
push setting

Android

Your projects using Firebase



Add project

Your projects currently at Firebase.com

Don't see your projects from Fireba

Create a project



Project name

Spring

Country/region

South Korea



By default, your Firebase Analytics data will enhance other Firebase features and Google products. You can control how your Firebase Analytics data is shared in your settings at anytime. [Learn more](#)

By proceeding and clicking the button below, you agree that you are using Firebase services in your app and agree to the applicable [terms](#).

CANCEL

CREATE PROJECT

Analytics

DEVELOP

Authentication

Database

Storage

Hosting

Functions

Test Lab

Crash Reporting

GROW

Notifications

Remote Config

Dynamic Links

EARN

AdMob

Discover Firebase

**Analytics**

Get detailed analytics to measure and analyze how users engage with your app

[Learn more](#)[GET STARTED](#)**Authentication**

Authenticate and manage users from a variety of providers without server-side code

[Learn more](#)[GET STARTED](#)**Database**

Store and sync data in realtime across all connected clients

[Learn more](#)[GET STARTED](#)

Welcome to Firebase! Get started here.



Add Firebase to
your iOS app



Add Firebase to
your Android app



Add Firebase to
your web app

Add Firebase to your Android app

X

1

2

3

Register app

Download config file

Add Firebase SDK

Android package name ?

kr.ac.sogang.spring

App nickname (optional) ?

Spring android

Debug signing certificate SHA-1 (optional) ?

00:00:00:00:00:00:00:00:00:00:00:00:00:00:00:00:00:00

Required for Dynamic Links, Invites, and Google Sign-In support in Auth. Edit SHA-1s in Settings.

CANCEL

REGISTER APP

in project **Spring**

Add Firebase to your Android app

X

1

2

3

Register app

Download config file

Add Firebase SDK

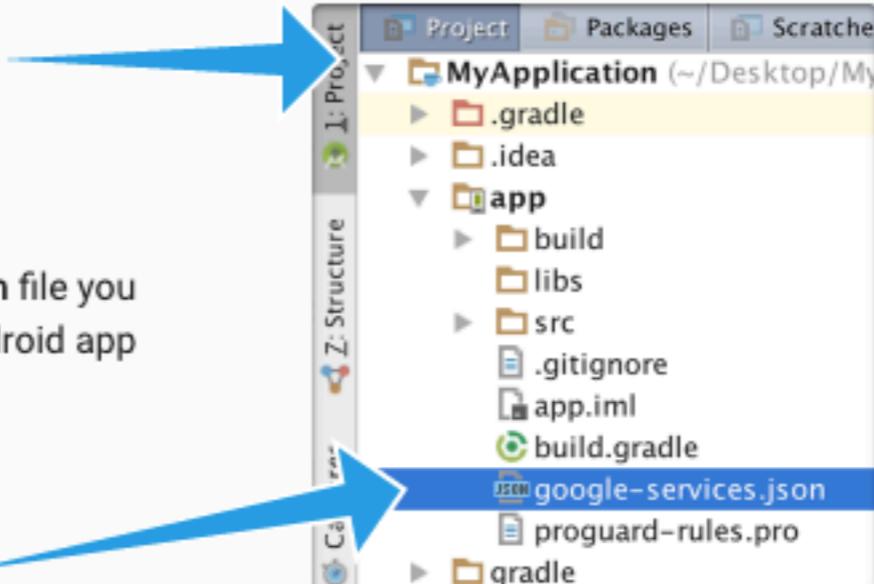
Android Studio instructions

Alternatives: [Unity](#) [C++](#)

다운로드

1. [!\[\]\(c580b67c7cd5c9e9e19f04ff6d5093e0_img.jpg\) Download google-services.json](#)

2. Switch to the Project view in Android Studio to see your project root directory.



3. Move the google-services.json file you just downloaded into your Android app module root directory.

google-services.json

Already added the dependencies?
[Skip to the console](#)

CONTINUE

필요없음

Add Firebase to your Android app



1

2

3

Register app

Download config file

Add Firebase SDK

Gradle instructions

Alternatives: [Unity](#) [C++](#)

The Google services plugin for [Gradle](#) loads the google-services.json file you just downloaded. Modify your build.gradle files to use the plugin.

1. Project-level build.gradle (<project>/build.gradle):

```
buildscript {  
    dependencies {  
        // Add this line  
        classpath 'com.google.gms:google-services:3.0.0'  
    }  
}
```

2. App-level build.gradle (<project>/<app-module>/build.gradle):

```
...  
// Add to the bottom of the file  
apply plugin: 'com.google.gms.google-services'
```

includes Firebase Analytics by default [?](#)

3. Finally, press "Sync now" in the bar that appears in the IDE:

Gradle files have changed sir

[Sync now](#)

FINISH

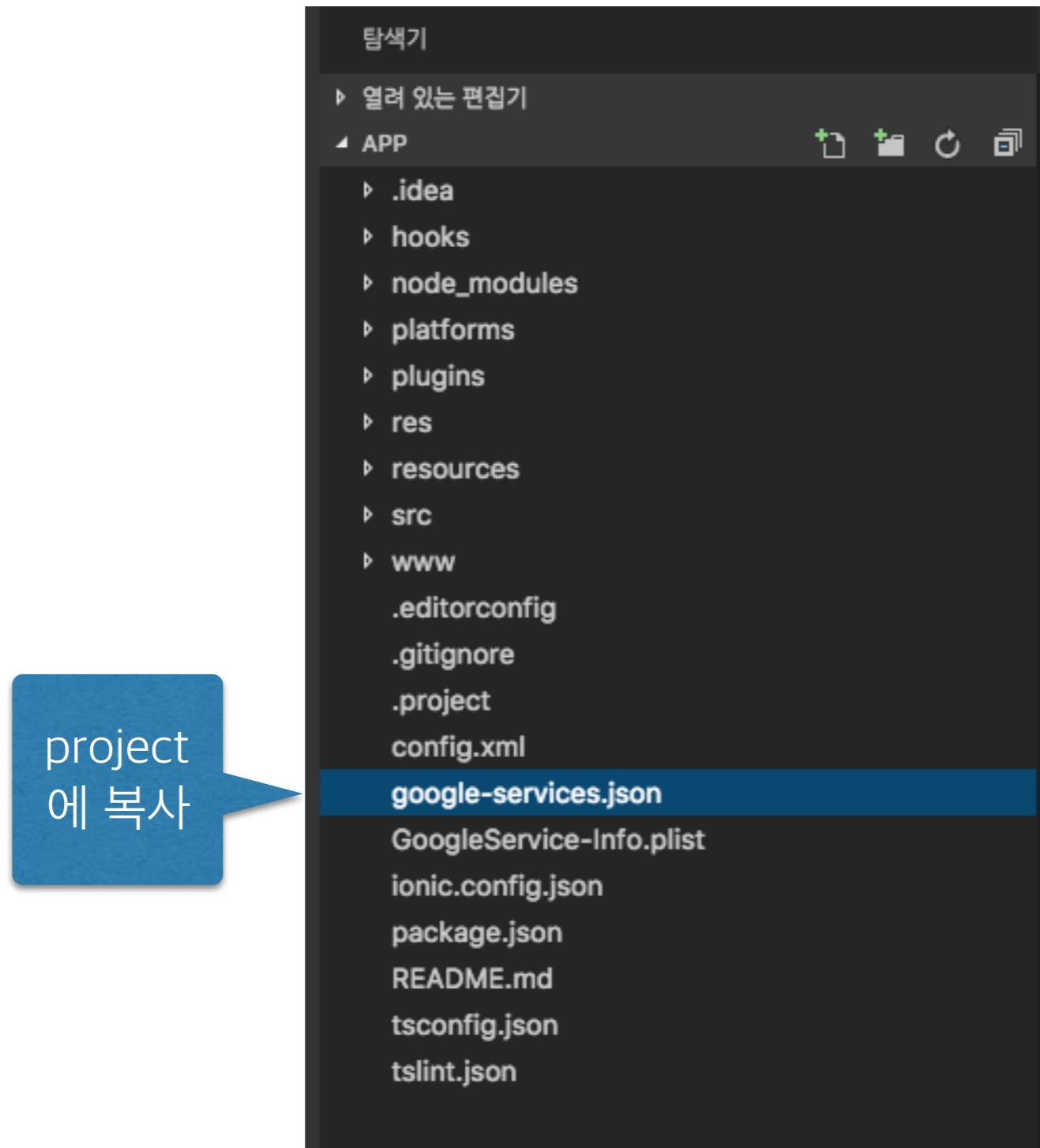
Settings

[GENERAL](#)[CLOUD MESSAGING](#)[ANALYTICS](#)[ACCOUNT LINKING](#)[SERVICE ACCOUNTS](#)

Project credentials

[ADD SERVER KEY](#)

Key	Token
Server key	AAAAt3cV_BE:APA91bHlsd3movyZySr55BQVjhj7PXIX9S_s85BOLfxL91_MQzxSi5KIYDVvBpdFObXg7QHJuxgl2iLSTDmOp9s_HNre5Ly06vK-MDHvRXGGFy2h9GAaF32CfkMMV3auSrEnzuh_s76b
Legacy server key <small>②</small>	AlzaSyBmki7omLPFg1IDPSnSkpggvYD6TWo5r4E
Sender ID <small>②</small>	787976944657





Message text

test

Message label (optional) ②

#1

Delivery date ②

Send Now ▾

Target

-
- User segment
-
- Topic
-
- Single device

Target user if...

App

kr.ac.sogang.spring



AND

Cannot add additional statements. All apps have been selected.

 Conversion events ②

Advanced options



SAVE AS DRAFT

SEND MESSAGE

Notifications

[NEW MESSAGE](#)

Message	Status <small>?</small>	Delivery date <small>?</small>	Platform	Target estimate <small>?</small>	Open rate <small>?</small>
#1 First message	✓ Completed	Apr 6, 2017 5:13 PM		—	—

iOS

Welcome

Additional Resources

 Documentation Downloads Forums Bug Reporter News & Updates

Getting Started

Download Xcode, learn how to build an app, and install it directly on your Apple device.



Download Tools

Get started with Xcode, Apple's integrated development environment for creating apps.



Build Your First App

Use Xcode to write a simple "Hello World" app to get familiar with tools, SDKs, and the Swift language.



Join the Apple Developer Program

Membership in the Apple Developer Program includes everything you need to develop, distribute, and manage your apps on the App Store. You'll also gain access to beta software, advanced app capabilities, beta testing tools, and app analytics.

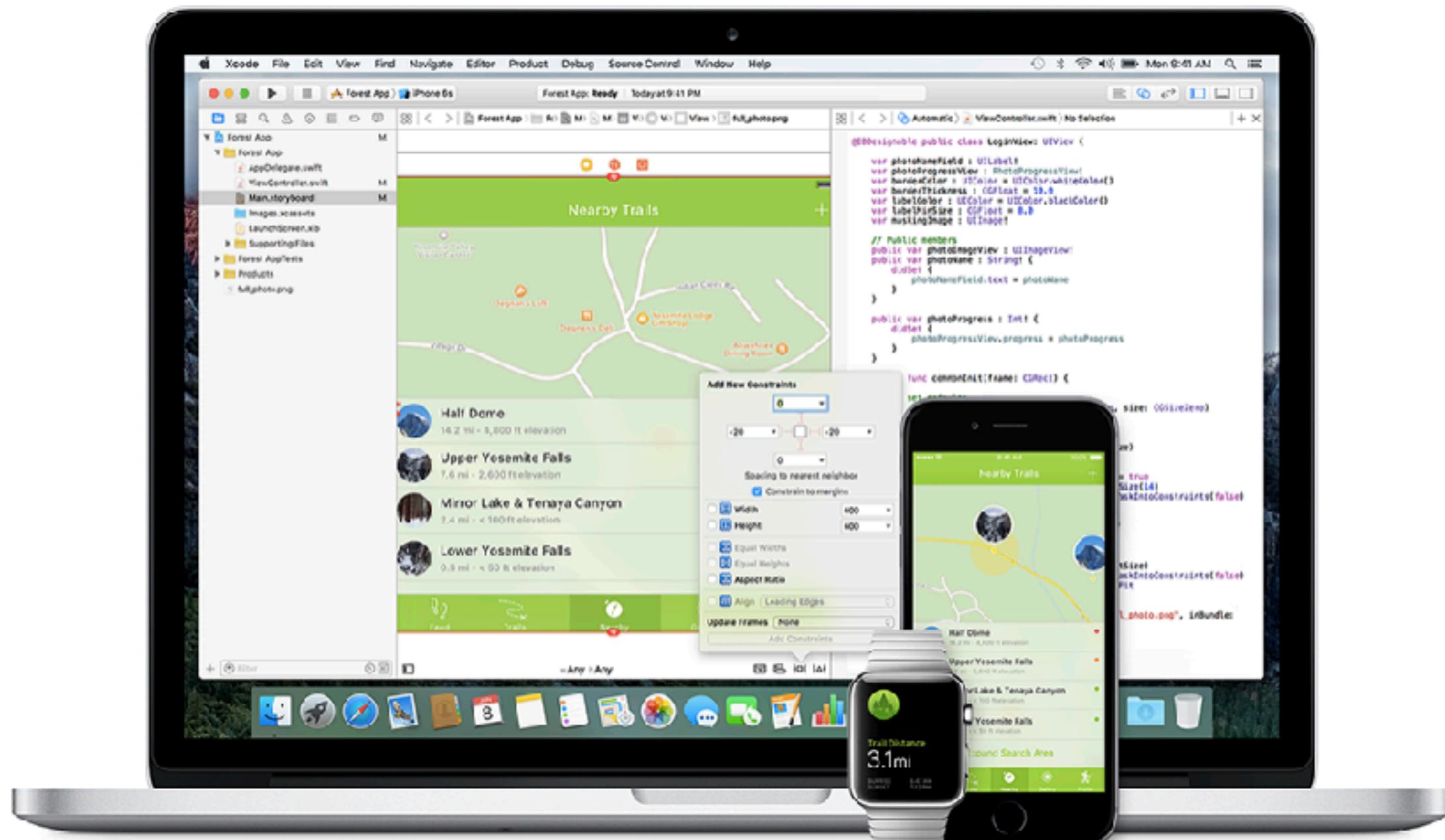
클릭

클릭

Apple Developer Program

What's Included How It Works

Enroll



What You Need to Enroll



Enrolling as an Individual

If you are an individual or sole proprietor/single person business, sign in with your Apple ID to get started. You'll need to provide basic personal information, including your legal name and address.



Enrolling as an Organization

If you're enrolling your organization, you'll need an Apple ID as well as the following to get started:

A D-U-N-S® Number

Your organization must have a D-U-N-S Number so that we can verify your organization's identity and legal entity status. These unique nine-digit numbers are assigned by Dun & Bradstreet and are widely used as standard business identifiers. You can check to see if your organization already has a D-U-N-S Number and request one if necessary. They are free in most jurisdictions. [Learn more >](#)

Legal Entity Status

Your organization must be a legal entity so that it can enter into contracts with Apple. We do not accept DBAs, fictitious businesses, trade names, or branches.

Legal Binding Authority

As the person enrolling your organization in the Apple Developer Program, you must have the legal authority to bind your organization to legal agreements. You must be the organization's owner/founder, executive team member, senior project lead, or have legal authority delegated to you by a senior employee.

클릭

[Start Your Enrollment](#)

Apple ID Information

The information on this Apple ID account will be used for verification and legal agreements, so please make sure your legal name and country are correct. To edit your account information, [contact us](#).

Email re.mind.inc@gmail.com

Name Jusub Kim

Country Korea, Republic of

Entity Type

I develop apps as

Individual / Sole Proprietor / Single Person Business

선택



Please note: In order for your company name to be listed as the seller on the App Store, your company must be recognized as a legal entity in your country. Sole proprietors and single person companies located in countries where they are not recognized as legal entities will be enrolled and be listed for download under the enrollee's personal legal name, if selected for distribution by Apple.

Cancel

Continue

Contact Information

The name on this Apple ID account will be used as your seller name, and for contracts and banking, if your app is selected for distribution by Apple. Make sure that it is your legal name and that your country is correct. To edit your account information, [contact us](#).

Legal Name

Jusub Kim

Phone

82



1065506173

ext

Country Code

Phone Number

Extension

Enter your home or business address in your local language.

Address Line 1

Sinsu-dong Sogang Univ.

Address Line 2

optional

Town / City

Mapo-gu

State / Province

Seoul



Postal Code

optional

04107

Country

Korea, Republic of

Apple Developer Program License Agreement

This is a legal agreement between you and Apple.

 [Download FDF](#)

Whenever capitalized in this Agreement:

"Ad Support APIs" means the Documented APIs that provide the Advertising Identifier and Advertising Preference.

"Advertising Identifier" means a unique, non-personal, non-permanent identifier provided by iOS or tvOS through the Ad Support APIs that is associated with a particular iOS Product or Apple TV and is to be used solely for advertising purposes, unless otherwise expressly approved by Apple in writing.

"Advertising Preference" means the iOS or tvOS setting that enables an end-user to set an ad tracking preference.

"Agreement" means this Apple Developer Program License Agreement, including any attachments, Schedule 1 and any exhibits thereto which are hereby incorporated by this reference. For clarity, this Agreement supersedes the iOS Developer Program License Agreement (including any attachments, Schedule 1 and any exhibits thereto), the Safari Extensions Digital Signing Agreement, the Safari Extensions Gallery Submission Agreement, and the Mac Developer Program License Agreement.

"App Store" means an electronic store and its storefronts, branded, owned, and/or controlled by Apple or an Apple Subsidiary or other affiliate of Apple, through which

- By checking this box I confirm that I have read and agree to be bound by the Apple Developer Program License Agreement above. If I am agreeing on behalf of my company, I represent and warrant that I have legal authority to bind my company to the terms of such Agreement above. I also confirm that I am of the legal age of majority in the jurisdiction in which I reside (at least 18 years of age in many countries).

[Cancel](#)

[Back](#)

[Continue](#)

Apple ID Information

The information on this Apple ID account will be used for verification and membership contracts, so please make sure your legal name and country are correct. To edit your account information, [contact us](#).

Email re.mind.inc@gmail.com

Name Juseub Kim

Country Korea, Republic of

Entity Type

I develop apps as a Individual / Sole Proprietor / Single Person Business

Contact Information

Phone 82 1065506173

Address Line 1 Sinsu-dong Sogang Univ.

Town / City Mapo-gu

State / Province Seoul

Postal Code 04107

Romanized Contact Information

Given Name Juseub

Family Name Kim

Address Line 1 Sinsu-dong Sogang Univ.

Town / City Mapo-gu

State / Province Seoul

Postal Code 04107

Jusub Kim | [Sign out](#)

Complete Your Purchase

Once you complete your purchase, you will receive a purchase acknowledgement and a membership confirmation email.

Membership Apple Developer Program

Cost ₩ 129000

Duration 1 year

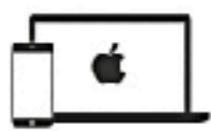
Enrollment ID PBHRJ8LRAQ

[Cancel](#)

[Purchase](#)

① 배송 옵션

편집



Apple Developer Program – Membership for one year

₩129,000

Membership Product

② 결제

청구 연락처

Kim

Jusub

시약 번호

선팽번호 (수간)

시약 번호

선팽번호(아간)

re.mind.inc@gmail.com

사불 방법

- 이 페이지에서 주문을 온로하고 나면 이니시스 메이저로 이동하게 됩니다.
- 그 다음에는 은행 페이지가 나옵니다.
- 지불이 승인되면 Apple Store에서 구입을 확인하는 Thank You 페이지로 이동하게 됩니다.

청구 주소

시도

지역/도시

우편 번호

길을 빙지, 이름 또는 거리 이름

이피드, 호실 등 (선택 사항)

회사/이름 (선택사항)

지금 채팅하기

계속

장바구니 소계 ₩129,000

주문 합계 ₩129,000

지금 주문을 클릭하면 Apple의 모든 판매 및 환불 정책 약관을 동의하는 것을 의미합니다. 이 약관과 해당하는 경우 세금 및 내송비를 포함하여 구입 항목별 목록이 포함된 양수증이 전자 방식으로 귀하에게 전송됩니다.

Program Resources

Overview

Membership

Certificates, IDs & Profiles

iTunes Connect

CloudKit Dashboard

Code-Level Support

Additional Resources

Documentation

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Forums

Bug Reporter

News & Updates



Membership Details

Your team's membership information and legal agreements.

Membership Information

Program Type Apple Developer Program

Team Name Jusub Kim

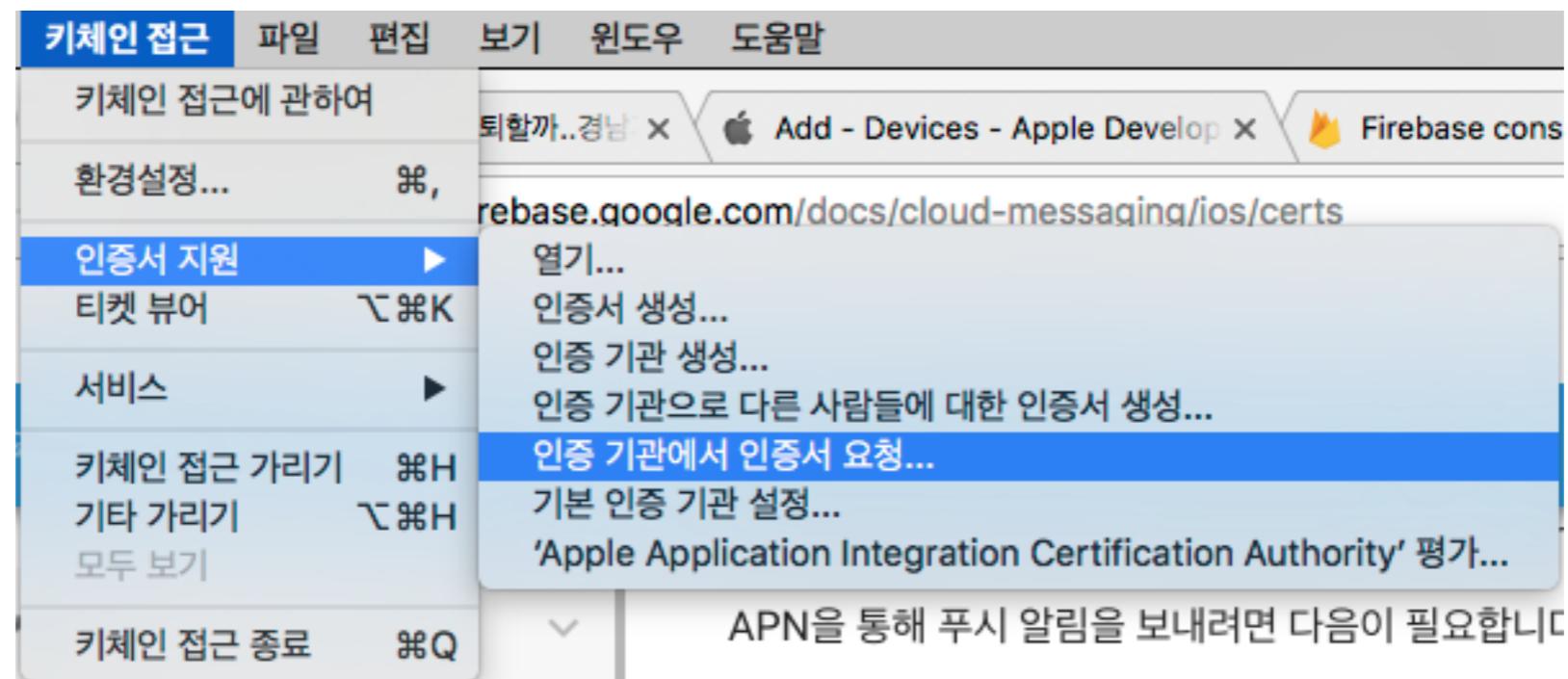
Team ID 9P3Z57SXGW

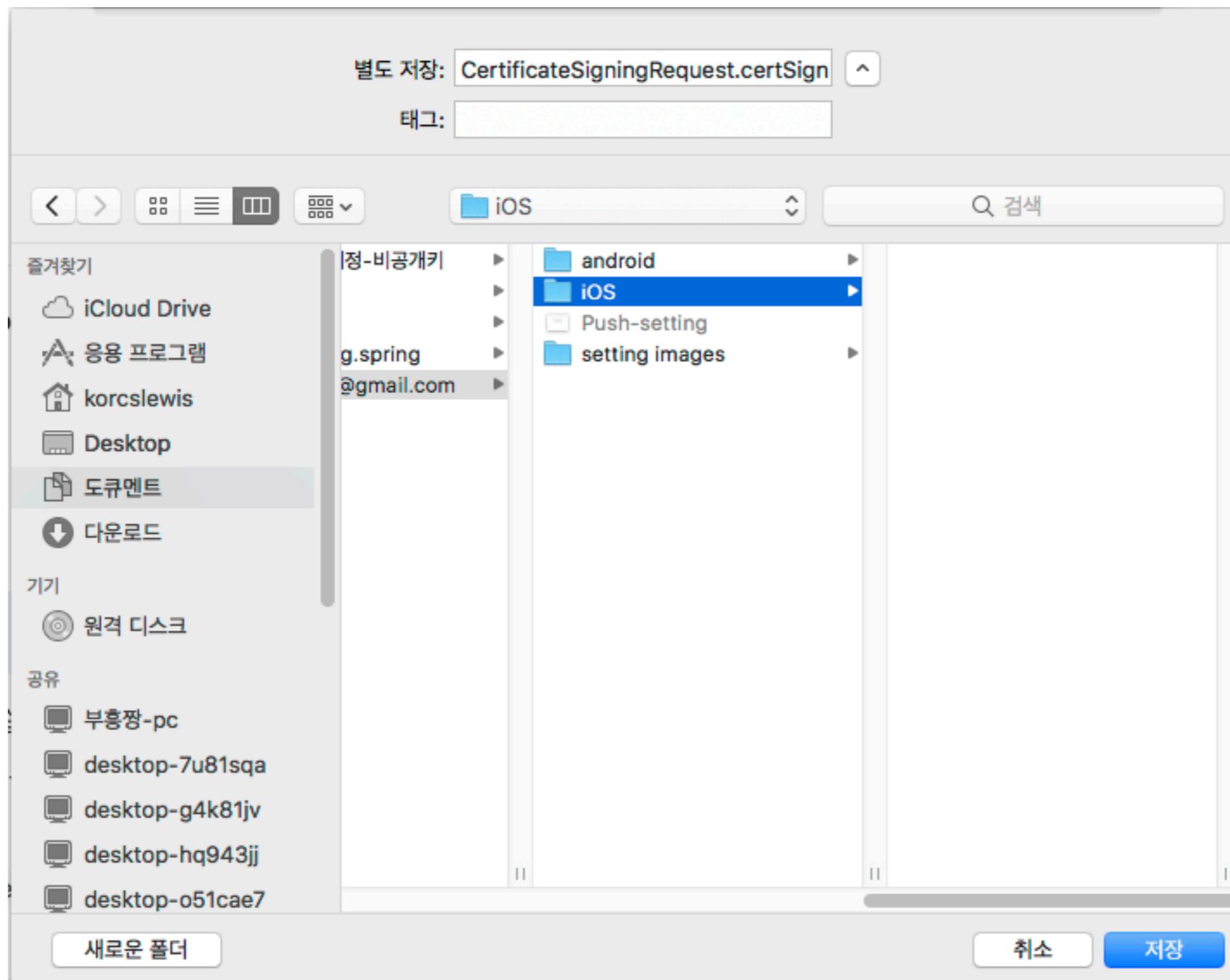
Entity Type Individual

Phone

Address Sirsu-dong Sogang Univ. Art and Technology
35, Baekbeom-ro
Mapo-gu, Seoul 04107
Korea, Republic of

인증서 생성





앱 ID 만들기

<https://developer.apple.com/account/ios/identifier/bundle/create>

**Certificates**

- All
- Pending
- Development
- Production
- APNs Auth Key

Identifiers

- App IDs
- Pass Type IDs
- Website Push IDs
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- Merchant IDs

Devices

- All
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Provisioning Profiles

- All
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ID**Registering an App ID**

The App ID string contains two parts separated by a period (.) — an App ID Prefix that is defined as your Team ID by default and an App ID Suffix that is defined as a Bundle ID search string. Each part of an App ID has different and important uses for your app. [Learn More](#)

App ID DescriptionName:

You cannot use special characters such as @, &, *, ^.

App ID Prefix

Value: 9P3Z57SXGW (Team ID)

App ID Suffix **Explicit App ID**

If you plan to incorporate app services such as Game Center, In-App Purchase, Data Protection, and iCloud, or want a provisioning profile unique to a single app, you must register an explicit App ID for your app.

To create an explicit App ID, enter a unique string in the Bundle ID field. This string should match the Bundle ID of your app.

Bundle ID:

We recommend using a reverse-domain name style string (i.e., com.domainname.appname). It cannot contain an asterisk (*).

 Wildcard App ID

This allows you to use a single App ID to match multiple apps. To create a wildcard App ID, enter an asterisk (*) as the last digit in the Bundle ID field.

Bundle ID:

Example: com.domainname.*

App Services

Select the services you would like to enable in your app. You can edit your choices after this App ID has been registered.

- Enable Services:
- App Groups
 - Apple Pay
 - Associated Domains
 - Data Protection
 - Complete Protection
 - Protected Unless Open
 - Protected Until First User Authentication
 - Game Center
 - HealthKit
 - HomeKit
 - iCloud
 - Compatible with Xcode 5
 - Include CloudKit support
(requires Xcode 6)
 - In-App Purchase
 - Inter-App Audio
 - Network Extensions
 - Personal VPN
 - Push Notifications
 - SiriKit
 - Wallet
 - Wireless Accessory Configuration

Cancel

Continue

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Provisioning Profiles

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ID**Confirm your App ID.**

To complete the registration of this App ID, make sure your App ID information is correct, and click the submit button.

App ID Description: Spring**Identifier:** 9P3Z57SXGW.kr.ac.sogang.spring**App Groups:** Disabled**Apple Pay:** Disabled**Associated Domains:** Disabled**Data Protection:** Disabled**Game Center:** Enabled**HealthKit:** Disabled**HomeKit:** Disabled**iCloud:** Disabled**In-App Purchase:** Enabled**Inter-App Audio:** Disabled**Network Extensions:** Disabled**Personal VPN:** Disabled**Push Notifications:** Configurable**SiriKit:** Disabled**Wallet:** Disabled**Wireless Accessory Configuration:** Disabled[Cancel](#)[Back](#)[Register](#)



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ID

Registration complete.

This App ID is now registered to your account and can be used in your provisioning profiles.

App ID Description: Spring

Identifier: 9P3Z57SXGW.kr.ac.sogang.spring

App Groups: Disabled

Apple Pay: Disabled

Associated Domains: Disabled

Data Protection: Disabled

Game Center: Enabled

HealthKit: Disabled

HomeKit: Disabled

iCloud: Disabled

In-App Purchase: Enabled

Inter-App Audio: Disabled

Network Extensions: Disabled

Personal VPN: Disabled

Push Notifications: Configurable

SiriKit: Disabled

Wallet: Disabled

Wireless Accessory Configuration: Disabled

Done

iOS, tvOS, watchOS

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iOS App IDs



1 App IDs total.

Name	ID
Spring	kr.ac.sogang.spring

iOS, tvOS, watchOS ▾

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 Provisioning Profiles

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iOS App IDs



1 App IDs total.

Name	ID	Development	Distribution
		Name: Spring	
		Prefix: 9P3Z575XGW	
		ID: kr.ac.sogang.spring	
Application Services:			
	Service	Development	Distribution
	App Groups	<input type="radio"/> Disabled	<input type="radio"/> Disabled
	Apple Pay	<input type="radio"/> Disabled	<input type="radio"/> Disabled
	Associated Domains	<input type="radio"/> Disabled	<input type="radio"/> Disabled
	Data Protection	<input type="radio"/> Disabled	<input type="radio"/> Disabled
	Game Center	<input checked="" type="radio"/> Enabled	<input checked="" type="radio"/> Enabled
	HealthKit	<input type="radio"/> Disabled	<input type="radio"/> Disabled
	HomeKit	<input type="radio"/> Disabled	<input type="radio"/> Disabled
	iCloud	<input type="radio"/> Disabled	<input type="radio"/> Disabled
	In-App Purchase	<input checked="" type="radio"/> Enabled	<input checked="" type="radio"/> Enabled
	Inter-App Audio	<input type="radio"/> Disabled	<input type="radio"/> Disabled
	Network Extensions	<input type="radio"/> Disabled	<input type="radio"/> Disabled
	Personal VPN	<input type="radio"/> Disabled	<input type="radio"/> Disabled
	Push Notifications	<input type="radio"/> Configurable	<input type="radio"/> Configurable
	SiriKit	<input type="radio"/> Disabled	<input type="radio"/> Disabled
	Wallet	<input type="radio"/> Disabled	<input type="radio"/> Disabled
	Wireless Accessory Configuration	<input type="radio"/> Disabled	<input type="radio"/> Disabled

[Edit](#)

Disabled**Personal VPN** Disabled**Push Notifications** Configurable**Apple Push Notification service SSL Certificates**

To configure push notifications for this iOS App ID, a Client SSL Certificate that allows your notification server to connect to the Apple Push Notification Service is required. Each iOS App ID requires its own Client SSL Certificate. Manage and generate your certificates below.

**Development SSL Certificate**

Create an additional certificate to use for this App ID.

[Create Certificate...](#)**Production SSL Certificate**

Create an additional certificate to use for this App ID.

[Create Certificate...](#)**SiriKit** Disabled**Wallet** Disabled**Wireless Accessory Configuration** Disabled[Delete](#)[Done](#)

iOS, tvOS, watchOS

Certificates

All

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Production

APNs Auth Key

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Add iOS "Certificate"

Select Type

Request

Generate

Download



About Creating a Certificate Signing Request (CSR)

To manually generate a Certificate, you need a Certificate Signing Request (CSR) file from your Mac. To create a CSR file, follow the instructions below to create one using Keychain Access.

Create a CSR file.

In the Applications folder on your Mac, open the Utilities folder and launch Keychain Access.

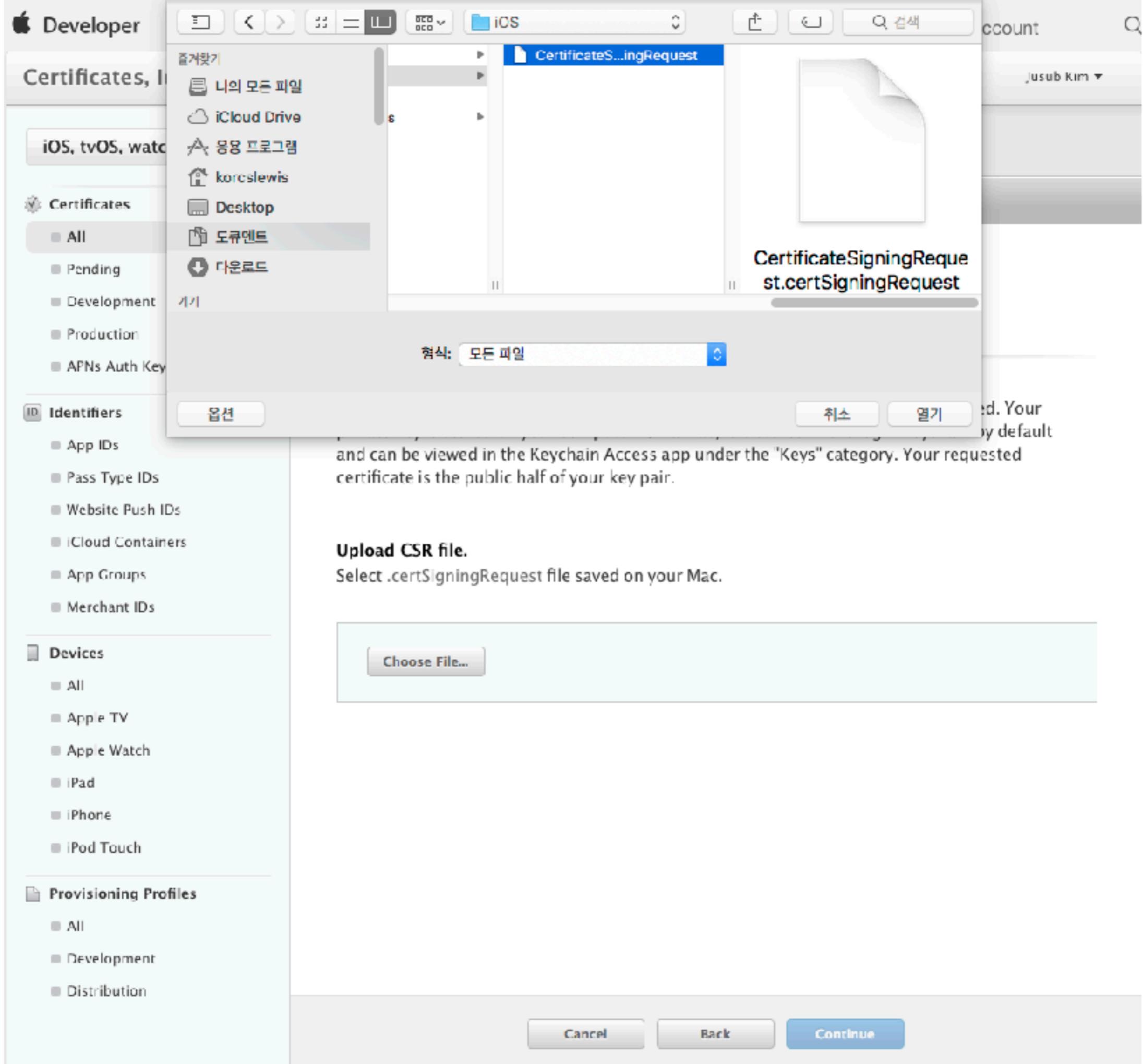
Within the Keychain Access drop down menu, select Keychain Access > Certificate Assistant > Request a Certificate from a Certificate Authority.

- In the Certificate Information window, enter the following information:
 - In the User Email Address field, enter your email address.
 - In the Common Name field, create a name for your private key (e.g., John Doe Dev Key).
 - The CA Email Address field should be left empty.
 - In the "Request is" group, select the "Saved to disk" option.
- Click Continue within Keychain Access to complete the CSR generating process.

Cancel

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iOS, tvOS, watchOS ▾

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Add iOS "Certificate"

Select Type ➤ Request ➤ Generate ➤ Download ➤

**Generate your certificate.**

When your CSR file is created, a public and private key pair is automatically generated. Your private key is stored on your computer. On a Mac, it is stored in the login Keychain by default and can be viewed in the Keychain Access app under the "Keys" category. Your requested certificate is the public half of your key pair.

Upload CSR file.

Select .certSigningRequest file saved on your Mac.

 Choose File... CertificateSigningRequest.certSigningRequest

선택된 파일 없음

 Cancel Back Continue

iOS, tvOS, watchOS ▾

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Add iOS "Certificate"

[Select Type](#) ➔ [Request](#) ➔ [Generate](#) ➔ [Download](#)**Your certificate is ready.****Download, Install and Backup**

Download your certificate to your Mac, then double click the .cer file to install in Keychain Access. Make sure to save a backup copy of your private and public keys somewhere secure.



Name: Apple Development iOS Push Services: kr.ac.sogang.spring
Type: APNs Development iOS
Expires: Apr 06, 2018

[Download](#)**Documentation**

For more information on using and managing your certificates read:

 [App Distribution Guide](#)[Add Another](#)[Done](#)



Certificates, Identifiers & Profiles

Jusub Kim ▾

iOS, tvOS, watchOS ▾

Certificates

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iOS Certificates



1 Certificates Total

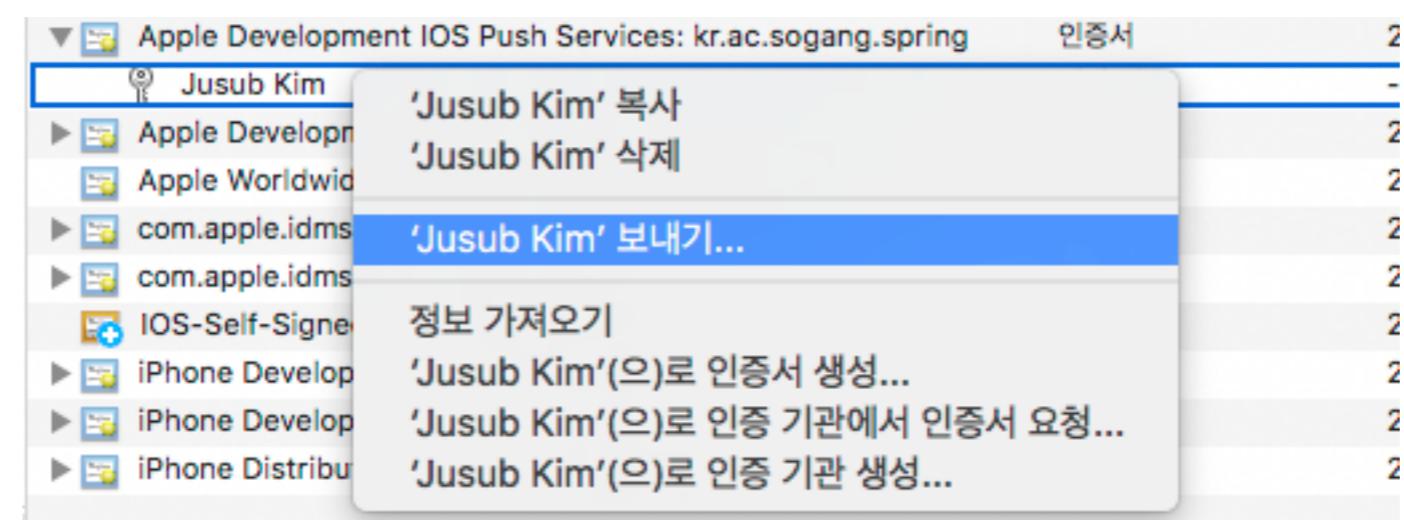
Name	Type	Expires
kr.ac.sogang.spring	APNs Development iOS	Apr 06, 2018

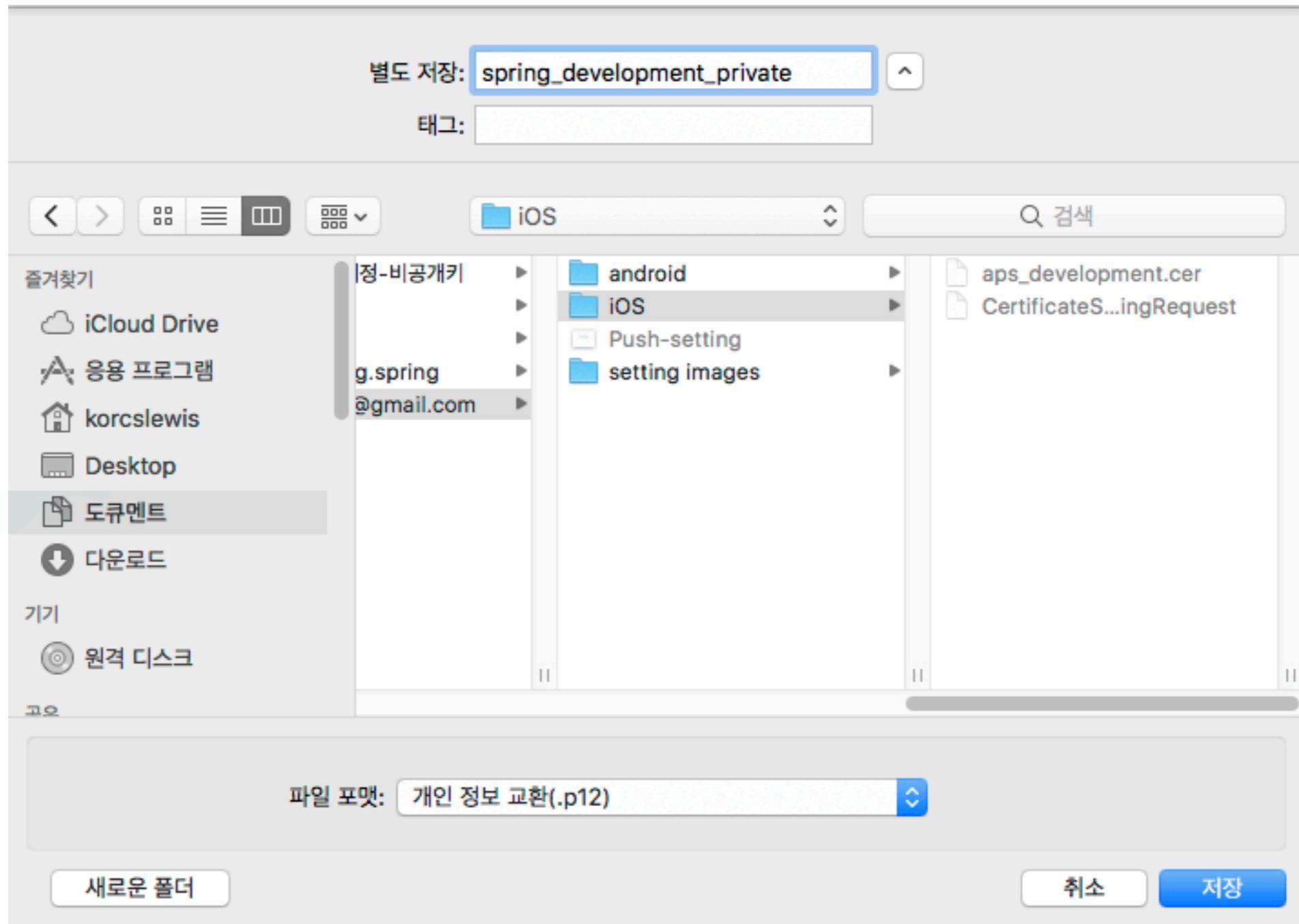


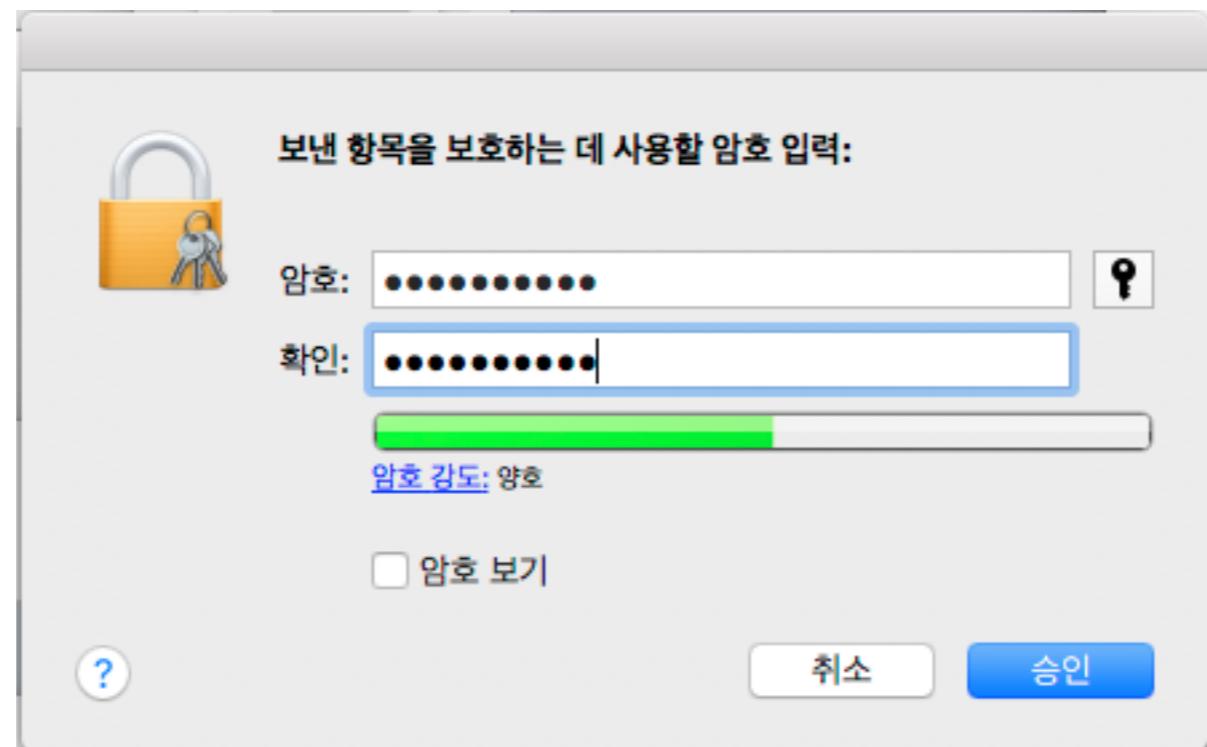
더블클릭

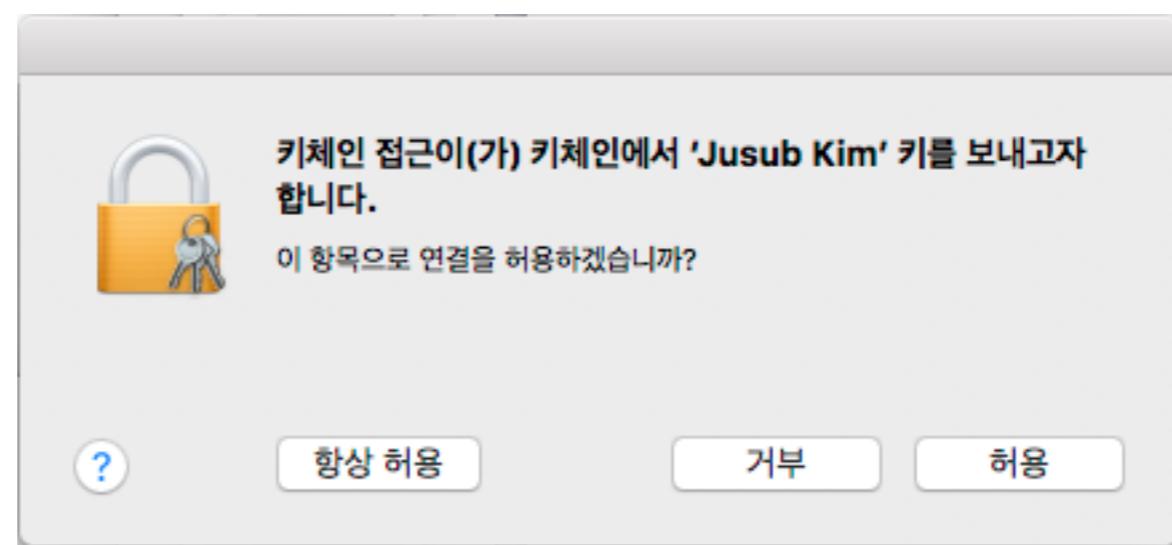


생성됨









Development certificates

iOS, tvOS, watchOS ▾

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Add iOS "Certificate"

Select Type

Request

Generate

Download



What type of certificate do you need?

Development

 iOS App Development

Sign development versions of your iOS app.

 Apple Push Notification service SSL (Sandbox)

Establish connectivity between your notification server and the Apple Push Notification service sandbox environment to deliver remote notifications to your app. A separate certificate is required for each app you develop.

Production

 App Store and Ad Hoc

Sign your iOS app for submission to the App Store or for Ad Hoc distribution.

 Apple Push Notification Authentication Key (Sandbox & Production)

Get an authentication key to generate server-side tokens. You can use these tokens as an alternative to certificates for your notification requests. One authentication key can be used for multiple apps and does not expire.

 Apple Push Notification service SSL (Sandbox & Production)

Establish connectivity between your notification server, the Apple Push Notification service sandbox, and production environments to deliver remote notifications to your app. When utilizing HTTP/2, the same certificate can be used to deliver app notifications, update ClockKit complication data, and alert background VoIP apps of incoming activity. A separate certificate is required for each app.

iOS, tvOS, watchOS ▾

 Certificates

- All
- Pending
- Development
- Production
- APNs Auth Key

 Identifiers

- App IDs
- Pass Type IDs
- Website Push IDs
- iCloud Containers
- App Groups
- Merchant IDs

 Devices

- All
- Apple TV
- Apple Watch
- iPad
- iPhone
- iPod Touch

 Provisioning Profiles

- All
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Add iOS "Certificate"

Select Type ➤ Request ➤ Generate ➤ Download ➤

**About Creating a Certificate Signing Request (CSR)**

To manually generate a Certificate, you need a Certificate Signing Request (CSR) file from your Mac. To create a CSR file, follow the instructions below to create one using Keychain Access.

Create a CSR file.

In the Applications folder on your Mac, open the Utilities folder and launch Keychain Access.

Within the Keychain Access drop down menu, select Keychain Access > Certificate Assistant > Request a Certificate from a Certificate Authority.

- In the Certificate Information window, enter the following information:
 - In the User Email Address field, enter your email address.
 - In the Common Name field, create a name for your private key (e.g., John Doe Dev Key).
 - The CA Email Address field should be left empty.
 - In the "Request is" group, select the "Saved to disk" option.
- Click Continue within Keychain Access to complete the CSR generating process.

 Cancel Back Continue



▼ iPhone Developer: Jusub Kim (BBRT8F7R5Y)	인증서	2018. 4. 7. 오후 2:09:24	로그인
Jusub Kim	개인 키	--	로그인

3 Certificates Total

Name	Type	Expires
Jusub Kim	iOS Development	Apr 06, 2018
kr.ac.sogang.spring	APNs Development iOS	Apr 06, 2018

Add Devices

iOS, tvOS, watchOS ▾

Add Devices

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 Registering a New Device or Multiple Devices**Pre-Release Software Reminder**

You may only share Apple pre-release software with employees, contractors, and members of your organization who are registered as Apple developers and have a demonstrable need to know or use Apple software to develop and test applications on your behalf.

Unauthorized distribution of Apple confidential information (including pre-release software) is prohibited and may result in the termination of your Apple Developer Program. It may also subject you to civil and criminal liability.

Register Device

Name your device and enter its Unique Device Identifier (UDID).

Name: SW iPhone5

UDID:

`bbd5c225b6194fa0b2efa50256ca15a0542d41cc``bbd5c225b6194fa0b2efa50256ca15a0542d41cc`**Register Multiple Devices**

Upload a file containing the devices you wish to register. Please note that a maximum of 100 devices can be included in your file and it may take a few minutes to process.

[Download sample files](#)

iOS, tvOS, watchOS ▾

Add Devices



Certificates

- All
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Provisioning Profiles

- All
- Development
- Distribution

Review and register.

Confirm the device information is correct. Once this device is registered, you will not be able to edit the UDID and can only edit the name or disable it.

Name: SW iPhone5
Model: iPhone 5 (Model A1429)
UDID: bbd5c225a6194fa0b2efa50256ca15a0542d41cc

You can register 100 more of this device type.

The maximum number of each device type that you can register per membership year is:

Apple TV: 100

Apple Watch: 100

iPad: 100

iPhone: 100

iPod Touch: 100

You may reset your device list at the start of your next membership year.

Cancel

Back

Register

iOS, tvOS, watchOS ▾

Add Devices

 Certificates

- All
- Pending
- Development
- Production
- APNs Auth Key

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 Provisioning Profiles

- All
- Development
- Distribution



Registration complete.

Your device has been registered and can now be included in provisioning profiles for app development and installation. Registered devices are also eligible to install pre-release versions of iOS. For step-by-step instructions review the following:

 [App Distribution Guide](#)

[Add More](#)[Done](#)

프로비저닝 프로필 만들기

iOS, tvOS, watchOS

 Certificates

- All
- Pending
- Development
- Production
- APNs Auth Key

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 Provisioning Profiles

- All
- Development
- Distribution

Add iOS Provisioning Profiles



Select Type

Configure

Generate

Download



What type of provisioning profile do you need?

Development

 iOS App Development

Create a provisioning profile to install development apps on test devices.

 tvOS App Development

Create a provisioning profile to install development apps on tvOS test devices.

Distribution

 App Store

Create a distribution provisioning profile to submit your app to the App Store.

 tvOS App Store

Create a distribution provisioning profile to submit your tvOS app to the App Store.

 Ad Hoc

Create a distribution provisioning profile to install your app on a limited number of registered devices.

 tvOS Ad Hoc

Create a distribution provisioning profile to install your app on a limited number of registered tvOS devices.

Cancel

Continue

iOS, tvOS, watchOS

 Certificates

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- All
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Add iOS Provisioning Profiles



Select Type

Configure

Generate

Download



Select App ID.

If you plan to use services such as Game Center, In-App Purchase, and Push Notifications, or want a Bundle ID unique to a single app, use an explicit App ID. If you want to create one provisioning profile for multiple apps or don't need a specific Bundle ID, select a wildcard App ID. Wildcard App IDs use an asterisk (*) as the last digit in the Bundle ID field. Please note that iOS App IDs and Mac App IDs cannot be used interchangeably.

App ID: Spring (9P3Z57SXGW.kr.ac.sogang.spring)

Cancel

Back

Continue

iOS, tvOS, watchOS

 Certificates

- All
- Pending
- Development
- Production
- APNs Auth Key

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 Provisioning Profiles

- All
- Development
- Distribution

Add iOS Provisioning Profiles



Select Type

Configure

Generate

Download



Select certificates.

Select the certificates you wish to include in this provisioning profile. To use this profile to install an app, the certificate the app was signed with must be included.

 Select All

1 of 1 item(s) selected

 Jusub Kim (iOS Development)

Cancel

Back

Continue

iOS, tvOS, watchOS

 Certificates

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 Provisioning Profiles

- All
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Add iOS Provisioning Profiles



Select Type

Configure

Generate

Download



Select devices.

Select the devices you wish to include in this provisioning profile. To install an app signed with this profile on a device, the device must be included.

 Select All

1 of 1 item(s) selected

 SW iPhones

Cancel

Back

Continue

iOS, tvOS, watchOS

 Certificates

- All
- Pending
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- Production
- APNs Auth Key

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- iPod Touch

 Provisioning Profiles

- All
- Development
- Distribution

Add iOS Provisioning Profiles



Select Type → Configure → Generate → Download

**Name this profile and generate.**

The name you provide will be used to identify the profile in the portal.

Profile Name: **Spring development push profile**

Type: **iOS Development**

App ID: **Spring (9P3Z57SXGW.kr.ac.sogang.spring)**

Certificates: **1 Included**

Devices: **1 Included**

 Cancel Back Continue

iOS, tvOS, watchOS

 Certificates

- All
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- Development
- Production
- APNs Auth Key

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 Provisioning Profiles

- All
- Development
- Distribution

Add iOS Provisioning Profiles



Select Type

Configure

Generate

Download

**Your provisioning profile is ready.****Download and Install**

Download and double click the following file to install your Provisioning Profile.



Name: Spring development push profile
Type: iOS Development
App ID: 9P3Z57SXGW.kr.ac.sogang.spring
Expires: Apr 6, 2018

Download**Documentation**

For more information on using and managing your Provisioning Profile read:

[App Distribution Guide](#)[Add Another](#)[Done](#)

- aps_development.cer
- CertificateS...ingRequest
- ios_development.cer
- spring_dev..._private.p12
- Spring_de...bileprovision**



Install additional required components?

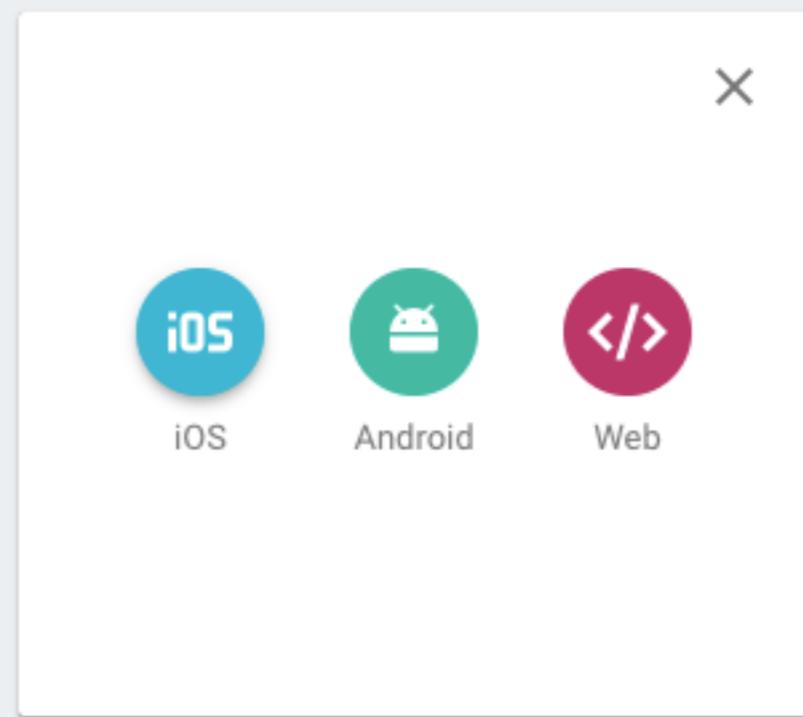
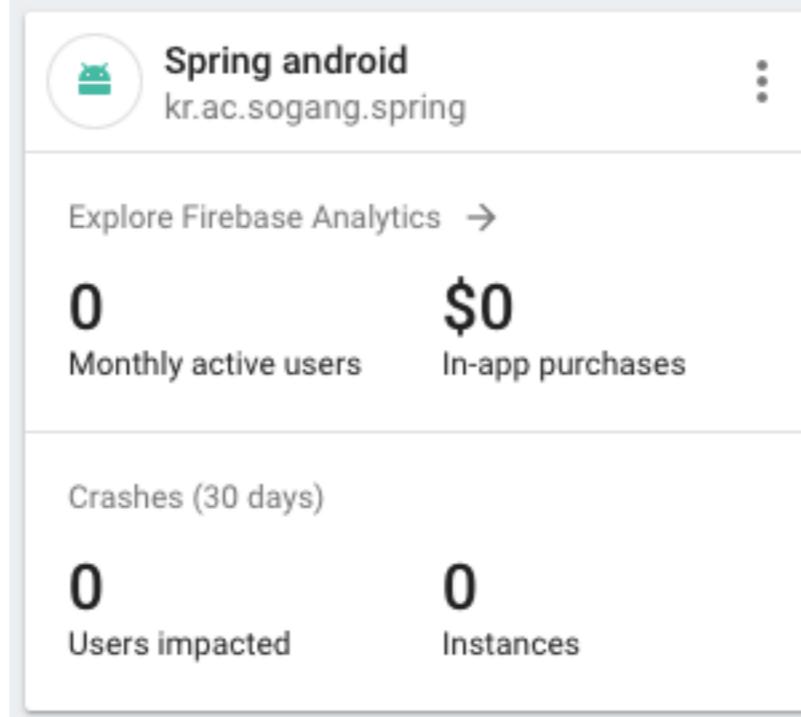
Xcode requires additional components to support running and debugging. Choose [Install](#) to add required components.

[Quit](#)

[Install](#)

FCM iOS App 생성

Spring mobile apps



Add Firebase to your iOS app

X

1

2

3

4

Register app

Download config file

Add Firebase SDK

Add initialization code

iOS bundle ID ?

kr.ac.sogang.spring

App nickname (optional) ?

Spring iOS

App Store ID (optional) ?

123456789

CANCEL

REGISTER APP

in project **Spring**

Add Firebase to your iOS app

X

1

2

3

4

Register app

Download config file

Add Firebase SDK

Add initialization code

Xcode instructions

Alternatives: [Unity](#) [C++](#)

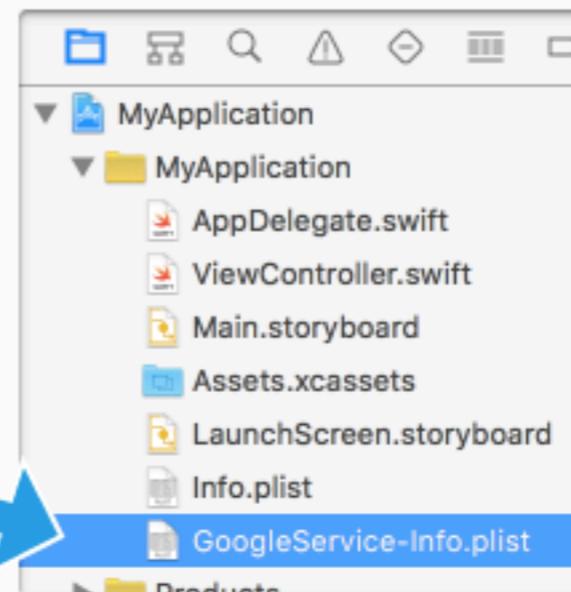
다운로드

1. [!\[\]\(ef25434bcf92438f09ccef0d6bbeb88b_img.jpg\) Download GoogleService-Info.plist](#)

2. Move the GoogleService-Info.plist file you just downloaded into the root of your Xcode project and add it to all targets.



GoogleService-Info.plist



Already added the pod and initialization code?
[Skip to the console](#)

[CONTINUE](#)

Add Firebase to your iOS app

X

1

2

3

4

Register app

Download config file

Add Firebase SDK

Add initialization code

CocoaPods instructions

Alternatives: [Download ZIP](#) [Unity](#) [C++](#)

Google services use [CocoaPods](#) to install and manage dependencies. Open a terminal window and navigate to the location of the Xcode project for your app.

1. Create a Podfile if you don't have one:

```
$ pod init
```

2. Open your Podfile and add:

```
pod 'Firebase/Core'
```

includes Firebase Analytics by default ⓘ

3. Save the file and run:

```
$ pod install
```

This creates an .xcworkspace file for your app. Use this file for all future development on your application.

Already added the pod and initialization code?
[Skip to the console](#)

선택

CONTINUE

Add Firebase to your iOS app



1

2

3

4

[Register app](#)[Download config file](#)[Add Firebase SDK](#)[Add initialization code](#)

To connect Firebase when your app starts up, add the initialization code below to your main `AppDelegate` class.

Swift Objective-C

```
import UIKit
import Firebase

@UIApplicationMain
class AppDelegate: UIResponder, UIApplicationDelegate {

    var window: UIWindow?

    func application(application: UIApplication,
        didFinishLaunchingWithOptions launchOptions: [NSObject: AnyObject]?) -> Bool {
        FIRApp.configure()
        return true
    }
}
```

선택

FINISH

GENERAL

CLOUD MESSAGING

ANALYTICS

ACCOUNT LINKING

SERVICE ACCOUNTS

Project credentials

[ADD SERVER KEY](#)

Key	Token
Server key	AAAAAt3cV_BE:APA91bHIsC3movyZySr55EQVjhj7PXIX9S_s85B0LfxL91_MQzxSi5KIYDVvBpdFObXg7QHJuxgI2iLSTDm0p9s_HNre5Ly06vK-MDHvRXGGFy2h9GAaF32CfkMMV3auSrEnzuh_s76b
Legacy server key <small>?</small>	AlzaSyBmk7omLPFg1IDPSnSkpggvYD6TWo5r4E
Sender ID <small>?</small>	
787976944657	

iOS app configuration

IOS apps

 Spring iOS
kr.ac.sogang.spring

i At least one APNs certificate is required for configuration

Development APNs certificate

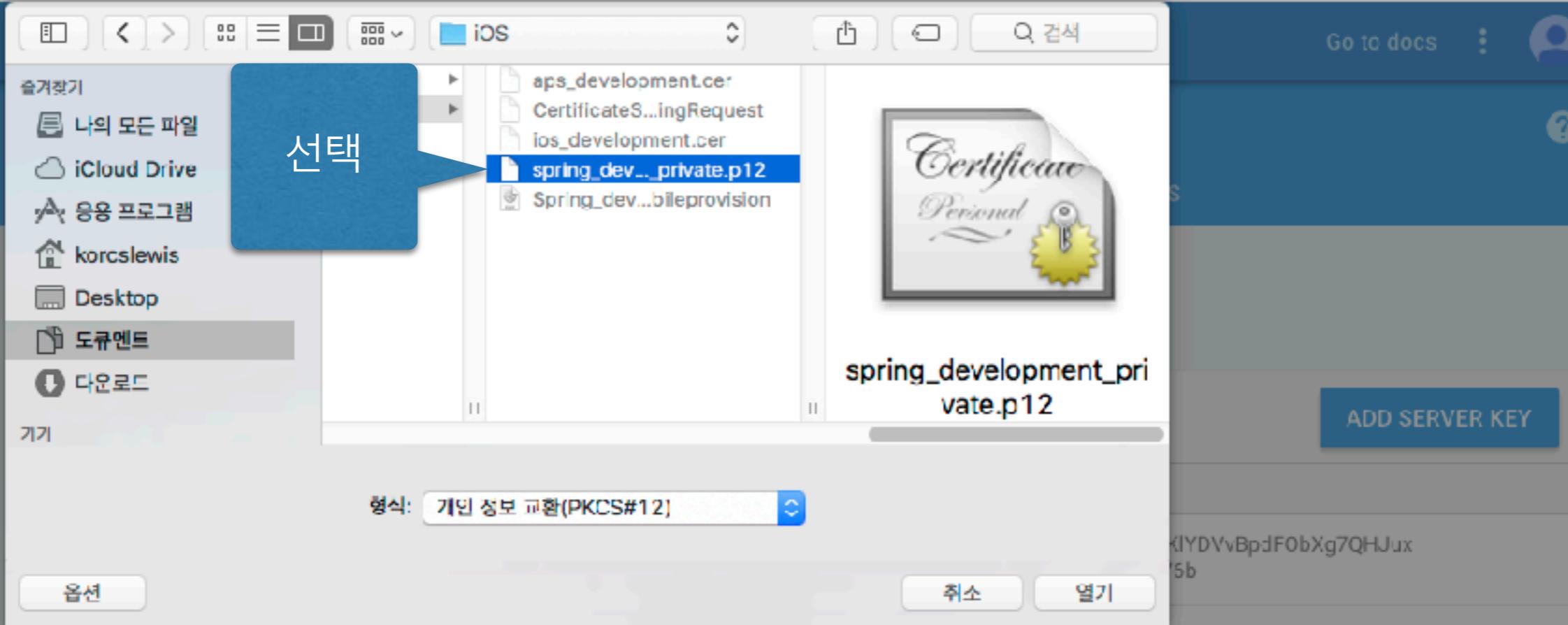
 No certificate uploaded

선택 선택 UPLOAD CERTIFICATE

Production APNs certificate

 No certificate uploaded

UPLOAD CERTIFICATE



Upload your Development APNs certificate

Apple APNs certificate

Upload file (.p12) [BROWSE](#)

Certificate password [?](#)

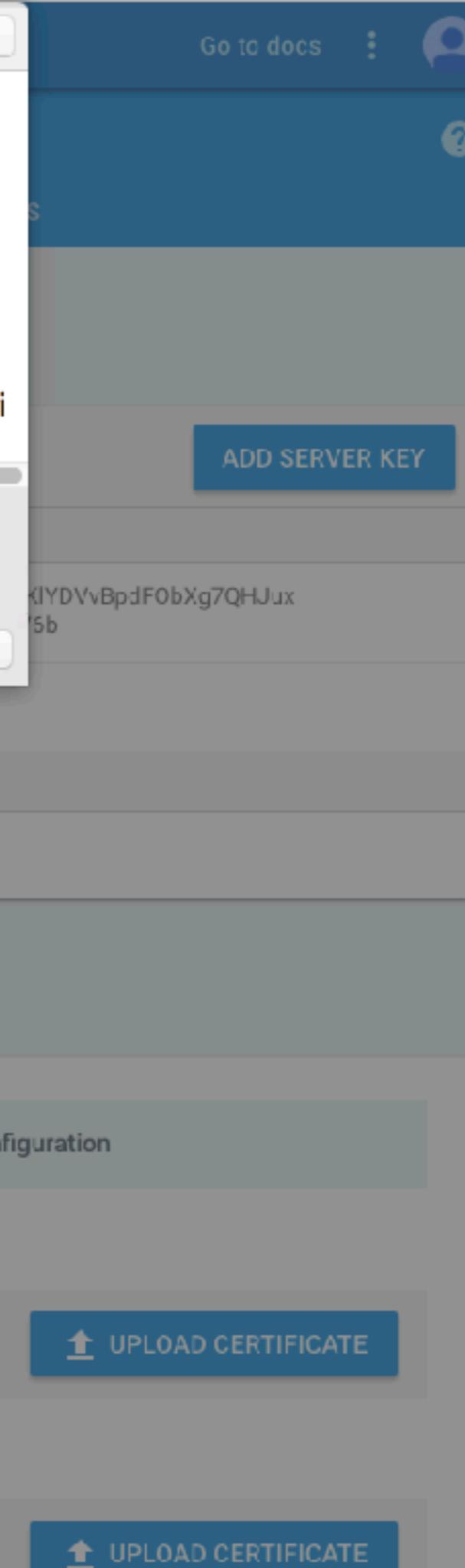
Certificate password

Leave this field blank if no private key was generated with the creation of this certificate

[UPLOAD CERTIFICATE](#)

CANCEL UPLOAD

No certificate uploaded



Upload your Development APNs certificate X

Apple APNs certificate



spring_development_private.p12

[BROWSE](#)

Certificate password ?

.....

Leave this field blank if no private key was generated with the creation of this certificate

[CANCEL](#)

[UPLOAD](#)

개인키 패스워드
입력

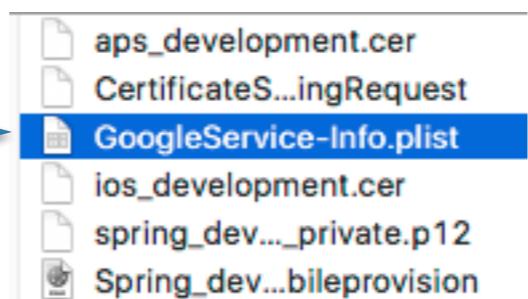
iOS app configuration

iOS apps

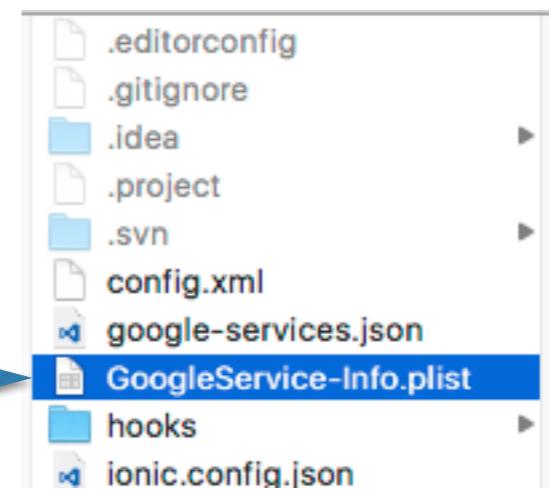
 Spring iOS kr.ac.sogang.spring	<p>i At least one APNs certificate is required for configuration</p> <p>Development APNs certificate</p> <p> Certificate valid until 4/7/18, 1:41 PM </p> <p>Production APNs certificate</p> <p> No certificate uploaded </p>
---	--

GoogleService-info.plist 추가

복사

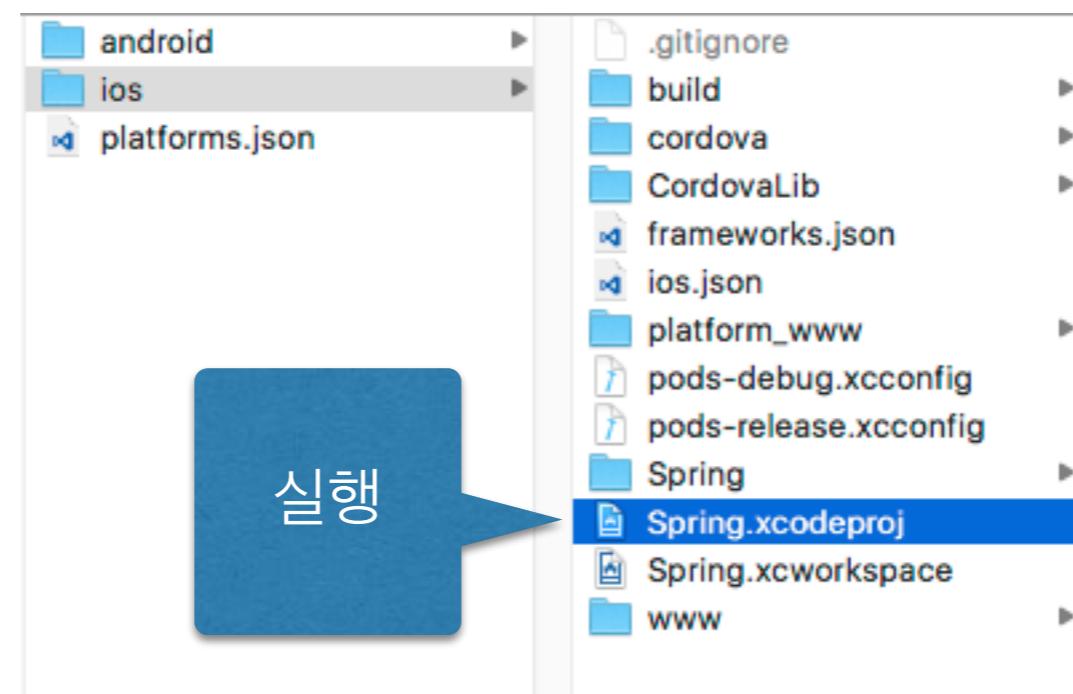


붙여넣기



ionic command

ionic platform add ios
ionic build ios



Spring

General Capabilities Resource Tags Info Build Settings Build Phases Build Rules

Identity

Display Name: \${PRODUCT_NAME}
Bundle Identifier: kr.ac.sugang.spring
Version: 0.0.1
Build: 0.0.1

Signing

Account 추가 후 변경

Automatically manage signing (checked)
Xcode will create and update profiles, app IDs, and certificates.
Profile: None (dropdown)
Certificate: iOS Developer

Status: ! Signing for "Spring" requires a development team.
Select a development team in the project editor.

Deployment Info

Deployment Target: 6.0
Devices: Universal (dropdown)
iPhone iPad

Main Interface: (dropdown)

Device Orientation: Portrait
 Upside Down
 Landscape Left
 Landscape Right

Status Bar Style: Default (dropdown)
 Hide status bar
 Requires full screen

App Icons and Launch Images



Spring iPhone 7 Plus

Spring Ready | Today at 2:48 4

Spring

General Capabilities Resource Tags Info Build Settings Build Phases Build Rules

Identity

Display Name: \${PRODUCT_NAME}

Bundle Identifier: kr.ac.ecgang.spring

Version: 0.0.1

Build: 0.0.1

Signing

Automatically manage signing
Xcode will create and update profiles, app IDs, and certificates.

Team: Jusub Kim

Provisioning Profile: Xcode Managed Profile ⓘ

Signing Certificate: iPhone Developer: Jusub Kim (B0RT0F7R5Y)

Deployment Info

Deployment Target: 8.0

Devices: Universal

iPhone Pad

Main Interface:

Device Orientation: Portrait
 Upside Down
 Landscape Left
 Landscape Right

Status Bar Style: Default

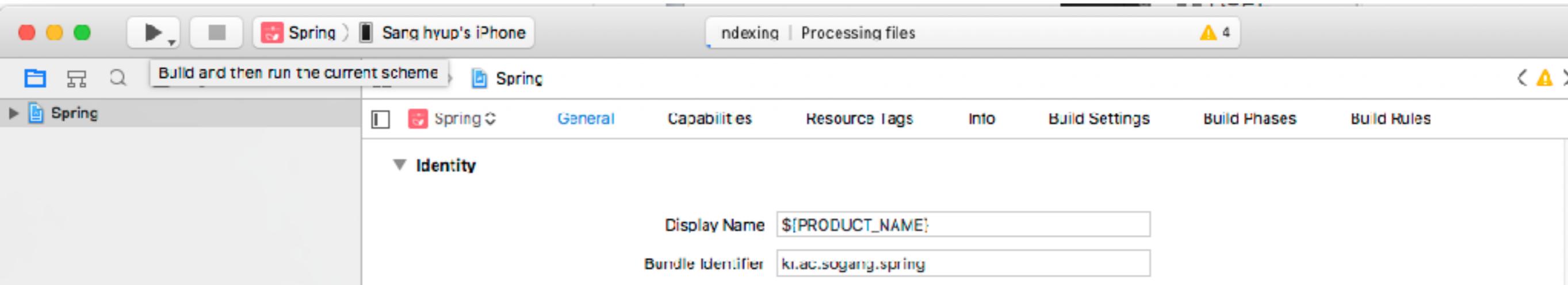
Hide status bar
 Requires full screen

App Icons and Launch Images

App Icons Source: AppIcon

Launch Images Source: LaunchImage

+ Filter ⓘ





Message text

ios+android

Message label (optional) ②

#2

Delivery date ②

Send Now ▾

Target

 User segment Topic Single device

Target user if...

App

tv kr.ac.sogang.spring

AND

App

ios kr.ac.sogang.spring

AND



Cannot add additional statements. All apps have been selected.

 Conversion events ②

Advanced options

SAVE AS DRAFT

SEND MESSAGE