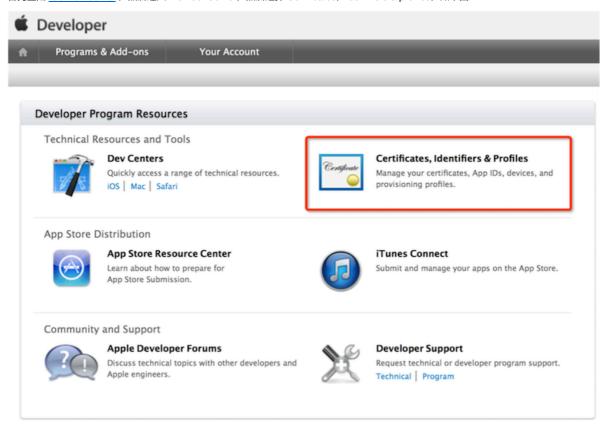
附录-申请推送证书

在 iOS App 中加入消息推送功能时,必须要在 Apple 的开发者中心网站上申请推送证书,每一个 App 需要申请两个证书,一个在开发测试环境下使用,另一个用于上线到 AppStore 后的生产环境。

为你的 App 创建 App ID

iOS 中每个 App 都需要对应一个 App ID,同一个公司可能会使用类似于 com.example.* 这样通用的 App ID,但是如果要在 App 中加入消息推送功能,那么是不能使用通用 ID 的,需要为之单独创建一个。

首先登陆 iOS Dev Center, 然后进入 Member Center, 然后选择 Certificates, Identifiers & profiles, 如下图:



然后点击下图红框中的任意条目,进入证书界面,如下图:



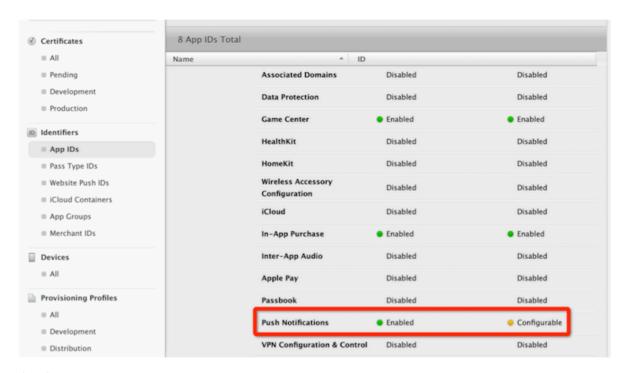
在进入证书界面后,在左边的Identifiers选择中选定App IDs,点右上角加号创建Appid,如下图:



在创建 App ID 的过程中,需要勾选 Push 服务,如下图:

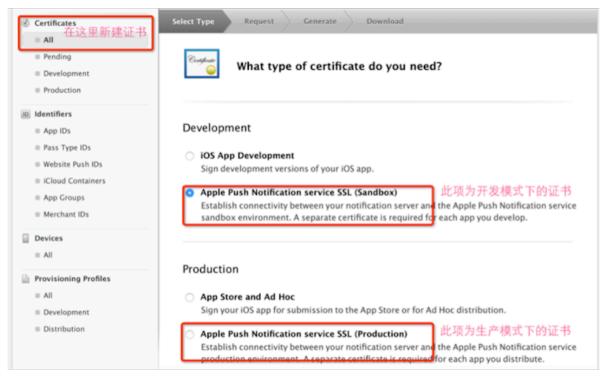
register an explic	
	licit App ID, enter a unique string in the Bundle ID field. This string e Bundle ID of your app.
Bundle ID:	
	We recommend using a reverse-domain name style string (i.e., com.domainname.appname). It cannot contain an asterisk (*).
○ Wildcard App ID	
	o use a single App ID to match multiple apps. To create a wildcard App risk (*) as the last digit in the Bundle ID field.
Bundle ID:	
	Example: com.domainname."
App Services	Example: com.domainname."
Select the services yo	ou would like to enable in your app. You can edit your choices after this
Select the services yo	ou would like to enable in your app. You can edit your choices after this
Select the services yo App ID has been regi	ou would like to enable in your app. You can edit your choices after this istered. Data Protection Complete Protection
Select the services yo App ID has been regi	ou would like to enable in your app. You can edit your choices after this istered. Data Protection Complete Protection Protected Unless Open
Select the services yo App ID has been regi	ou would like to enable in your app. You can edit your choices after this istered. Data Protection Complete Protection
Select the services yo App ID has been regi	ou would like to enable in your app. You can edit your choices after this istered. Data Protection Complete Protection Protected Unless Open
Select the services yo App ID has been regi	ou would like to enable in your app. You can edit your choices after this istered. Data Protection Complete Protection Protected Unless Open Protected Until First User Authentication
App ID has been regi	ou would like to enable in your app. You can edit your choices after this istered. Data Protection Complete Protection Protected Unless Open Protected Until First User Authentication Game Center
Select the services yo App ID has been regi	ou would like to enable in your app. You can edit your choices after this istered. Data Protection Complete Protection Protected Unless Open Protected Until First User Authentication Game Center iCloud

如果你是为已有的 App 增加消息推送功能,那么打开原有的 App ID,开启 Push Notification 选项即可,如下图:



创建及下载证书

创建时要注意区分证书种类(开发证书用于开发和调试使用,生产证书用于 AppStore 发布),在证书列表下选择新建证书,如下图:



点击 continue 然后选择证书对应的 App ID,再次点击continue, 会出现"About Creating a Certificate Signing Request (CSR)",如下图:

Select Type Request Generate Approval



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.

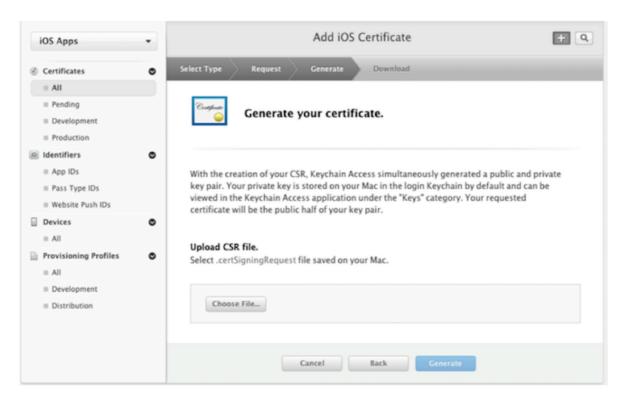
- · In the Certificate Information window, enter the following information:
 - In the User Email Address field, enter your email address.
 - In the Common Name field, create a name for your private key (e.g., John Doe Dev Key).
 - The CA Email Address field should be left empty.
 - In the "Request is"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



到了这里,需要停下制作 CSR 文件,制作过程比较简单,下面是制作的过程。打开 Mac 系统软件'钥匙串访问',选择 '证书助理' 及 '从证书颁发机构请求证书',制作 CSR 文件,如下图:



生成证书后,回到刚才 "About Creating a Certificate Signing Request (CSR)" 的界面,点击 continue,然后在 "Choose File" 选择刚才生成的CSR文件,最后点击 Generate,生成证书。如下图:



现在证书制作已经完成,下载并双击用"钥匙串访问" 程序打开后,在"钥匙串访问"中,左边一栏,上面选择登录,下面选择证书,然后选择刚才打开的证书,选择右键菜单中的导出,如下图:



将文件保存为 .p12 格式,输入密码,如图所示:

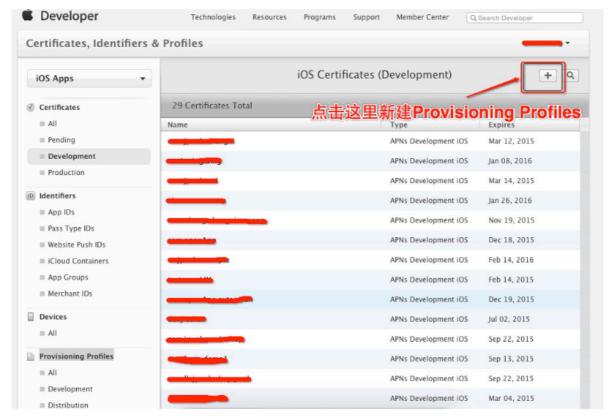


最后进入终端,到证书目录下,运行以下命令将p12文件转换为pem证书文件:

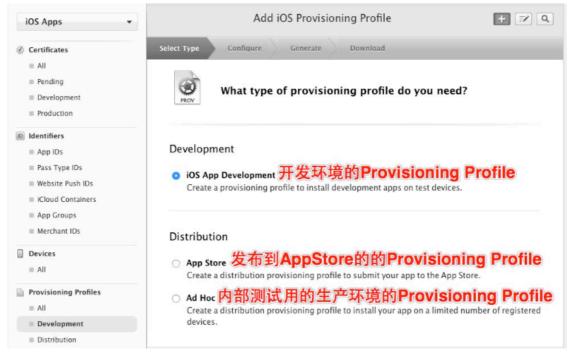
openssl pkcs12 -in MyApnsCert.p12 -out MyApnsCert.pem -nodes

提示需要输入密码,输入刚才导出 p12 时的密码即可。

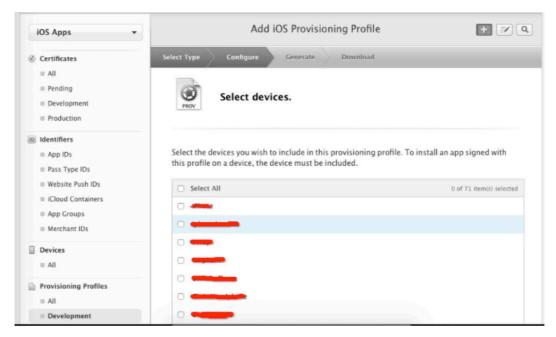
Provisioning Profile的创建 点击下图的+按钮开始创建profile



选择profile的环境



选择创建profile的appid和开发者证书,并选择设备,最后生成profile



最后下载profile配置到xcode中进行开发测试