

CREATING & SUBMITTING YOUR CUSTOM APP [iTUNES APP STORE]

NOTE: Creating your iOS APP requires you to be on Apple / MAC computer.

If you do not already have your APPLE Developer account, you can purchase one here:

- <https://developer.apple.com/programs/enroll/>

As part of this setup process, you will be creating several files (certificates) that you must Save to your computer's hard-drive, and access in later steps.

TIP: Create a folder on your Desktop named "CUSTOM APP". Save all necessary certs/files to this location for quick access when needed.

Here is a summary / outline of the process (Phase 1 of 2)

1. create and download your apple certifications:

- a. (step 1) Request and "Save to Disk" your CRS (CertificateSigningRequest.certSigningRequest)
- b. (step 8) Create app ID (write down your BUNDLE ID)
- c. (step 13) Create and Download production certificate (name: ios_distribution.cer)
- d. (step 18) Create and Download apple push certificate (name: aps.cer)
- e. (step 24) Create and Download distribution certificate (name: #####.mobileprovision)

2. (step 30) open certs in keychain:

- a. from within your CUSTOM APP folder, double-click production certificate (name: ios_distribution.cer)
- c. from within your CUSTOM APP folder, double-click apple push certificate (name: aps.cer)

3. export certificates from Keychain to create .p12, (write down your PASSWORDS) < these will be uploaded to your Studio:

- a. (step31) right-click Distribution Certificate export to .p12 + password assigned (name: distribution.p12)
- b. (step 33) right-click Apple Push Certificate export to .p12 + password assigned (name: push.p12)

4. (step 36 - 44) upload files to Studio

- a. upload Studio Distribution private key (.p12) > distribution.p12
- b. upload Apple push services private key (.p12) > push.p12
- c. upload Distribution Provisioning Profile Certificate (.mobileprovision) > #####.mobileprovision
- d. upload Apple Push Certificate (.cer) > aps.cer
- e. upload required App Images (icon, and splash/loading screen)

[SUBMIT > & > CREATE]

NOTE: In Phase 2 you will submit your app (.IPA) to iTunes through your *iTunesConnect* account.

On your MAC, do a search for & open, **Keychain**



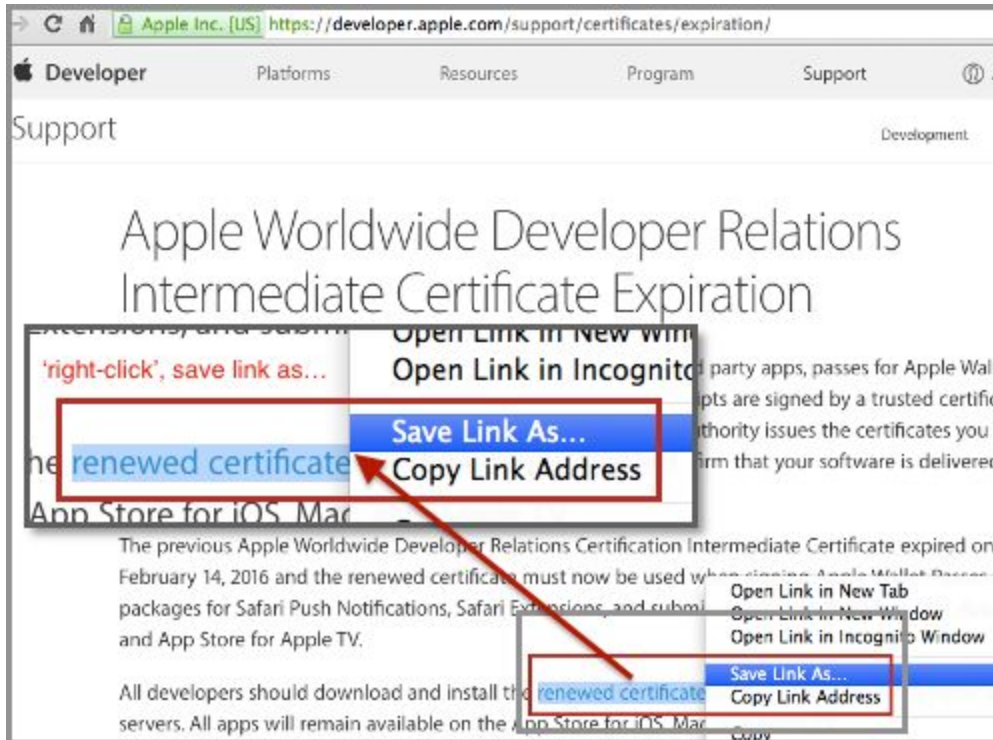
1. Check to make sure that there is not an expired "Apple Worldwide Developer Relations Certification" on this MAC. To check; open Keychain -> View -> "Show Expired Certificates"



2. Within Keychain, do a search for "Apple Worldwide Developer Relations Certification Authority". If you do NOT see it, proceed to Step 3. If you see the "Apple Worldwide Developer Relations Certification Authority" and it has expired, delete it and proceed to Step 3. If it exists and has not expired, you can skip step 3 and go directly to step 4.

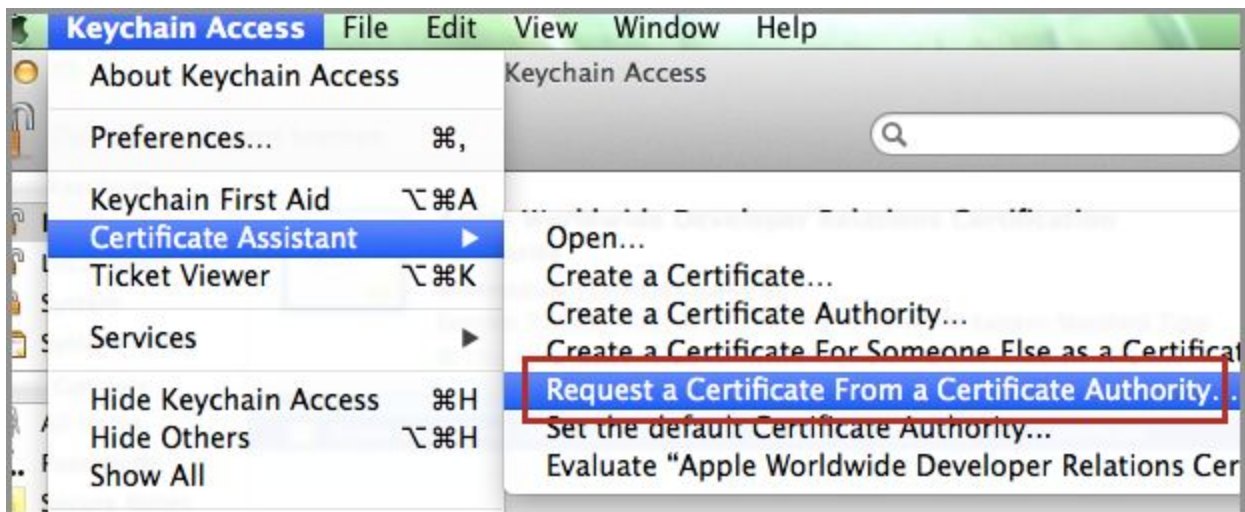
3. (If your Certificate does not exist, or has expired...)

To obtain a valid "Apple Worldwide Developer Relations Certification Authority", open <https://developer.apple.com/support/certificates/expiration/>. < Within that page, scroll down and "right-click" on the **RENEWED CERTIFICATE** link (*see image below). **NOTE: right-click and Select "save link as" so that you can save it directly to your CUSTOM APP folder.**



* Download the Certificate and locate the file on your system (**CUSTOM APPS folder**).
"Double-click" on it. It will be added to your Keychains (login) > Category (Certificates).

4. Within the Top Menu of Keychain click on Keychain Access -> Certificate Assistance -> "Request a Certificate From a Certificate Authority".



5. Enter your (1) Email Address, a (2) Common Name, then select (3)"Saved on Disk" [Note: Save this file to your **CUSTOM APPS** folder so that it is easy to find for future steps (#14).] Click (4) "Continue". Note: This CSR file (CertificateSigningRequest.certSigningRequest) will be required within your Developer Account to create your production certificates.

The image shows the 'Certificate Assistant' window with the 'Certificate Information' tab selected. The window has a title bar 'Certificate Assistant' and a subtitle 'Certificate Information'. Below the subtitle is a text box with the instruction: 'Enter information for the certificate you are requesting. Click Continue to request a certificate from the CA.' There are three input fields: 'User Email Address:' with the value 'mynewapp@sample.demo' (labeled 1), 'Common Name:' with the value 'My New App' (labeled 2), and 'CA Email Address:' which is empty. Below these fields is a 'Request is:' section with three radio buttons: 'Emailed to the CA', 'Saved to disk' (selected and labeled 3), and 'Let me specify key pair information'. At the bottom right, there is a 'Continue' button (labeled 4).

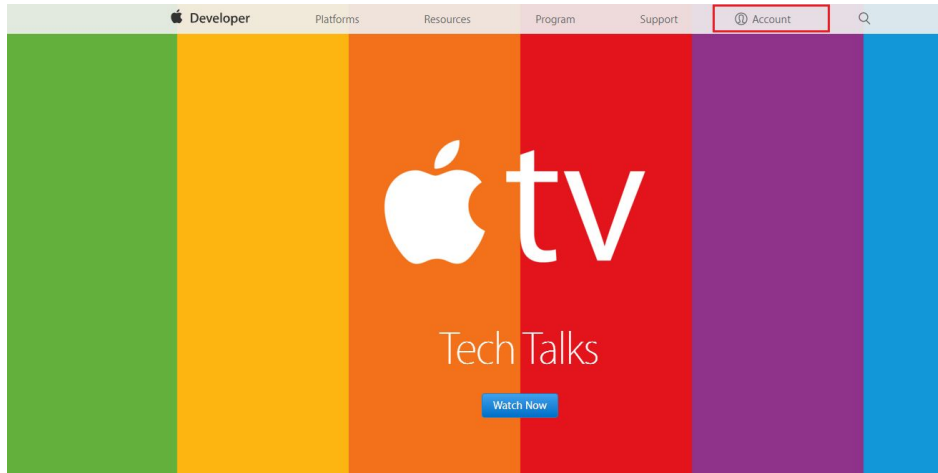
The image shows the 'Certificate Assistant' window with the 'Save As' dialog box open. The 'Save As:' field contains the filename 'CertificateSigningRequest.certSigningR'. Below it is a 'Tags:' field which is empty. The 'Where:' field (labeled 5) shows a folder icon and the text 'CUSTOM APP'. At the bottom right, there are 'Cancel' and 'Save' buttons (labeled 6).

So far you have:

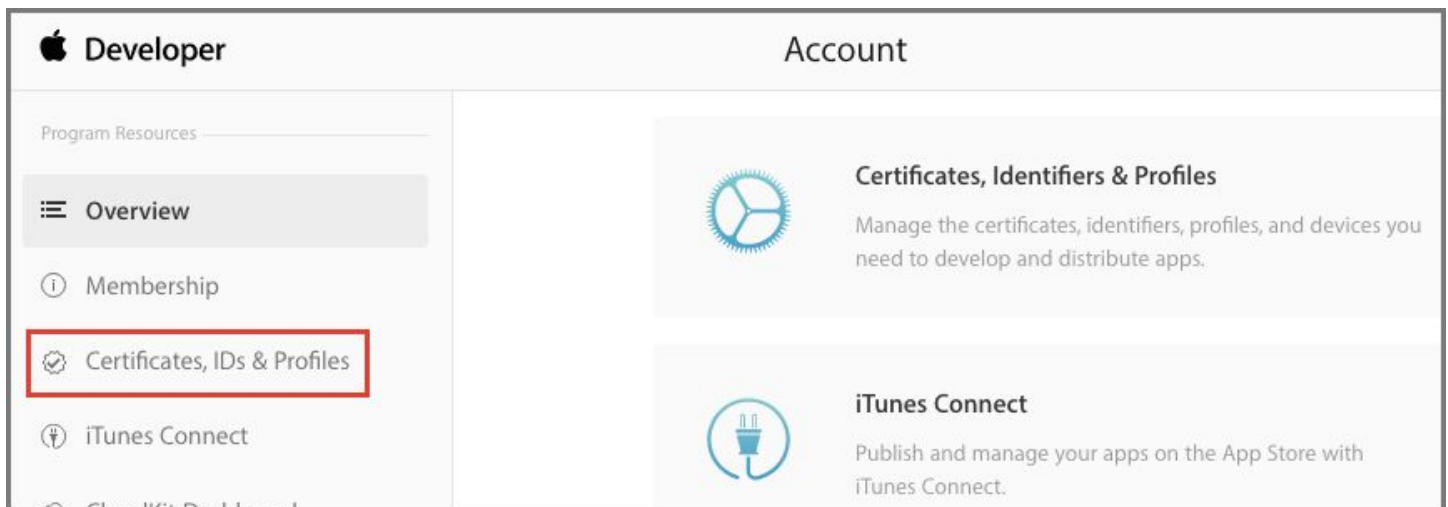
- confirmed that you have a current version of the "Apple Worldwide Developer Relations Certification Authority" certificate. (If needed, you saved it to your CUSTOM APP folder and the double-clicked on it launch it into your KeyChain.)
- Requested a certificate from a Certificate Authority (saved to your CUSTOM APP folder)

Go to <https://developer.apple.com/> ...Sign In or Sign Up

6. Click on **"Account"**



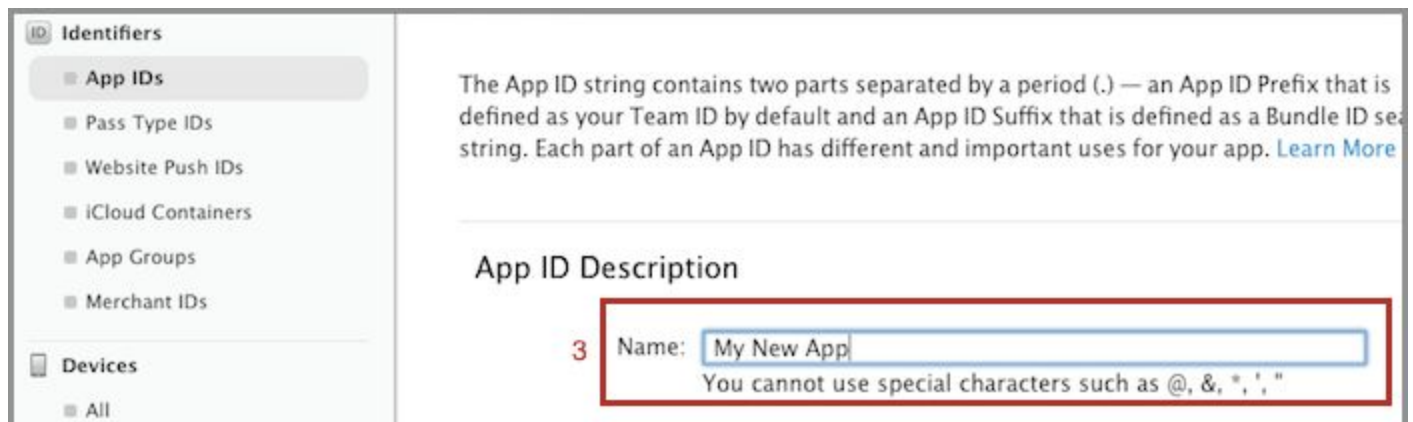
7. Click on **"Certificates, Ids & Profiles"**



8. To create your APP ID; click on “*Identifiers -> App IDs*”, then push “**PLUS**” button as shown on screenshot below.



9. Enter App ID Description > “Name” (Can be whatever you want, e.g. Ministry name.)



10. (scroll down) select App ID Suffix > Explicit App ID > “enter **BUNDLE ID**”. **WRITE THE BUNDLE ID DOWN...** this Bundle ID will be used within <https://itunesconnect.apple.com> when you upload the Application). ***DO NOT SELECT Wildcard App ID!!!***

App ID Suffix

☒ **Explicit App ID** ⁴

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.

⁵ Bundle ID:

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

11. (scroll down) Select “**PUSH Notifications**”, then Press “**Continue**”

☒ In-App Purchase
☐ Inter-App Audio
☐ Wallet
⁶ ☒ **Push Notifications**
☐ Personal VPN

7

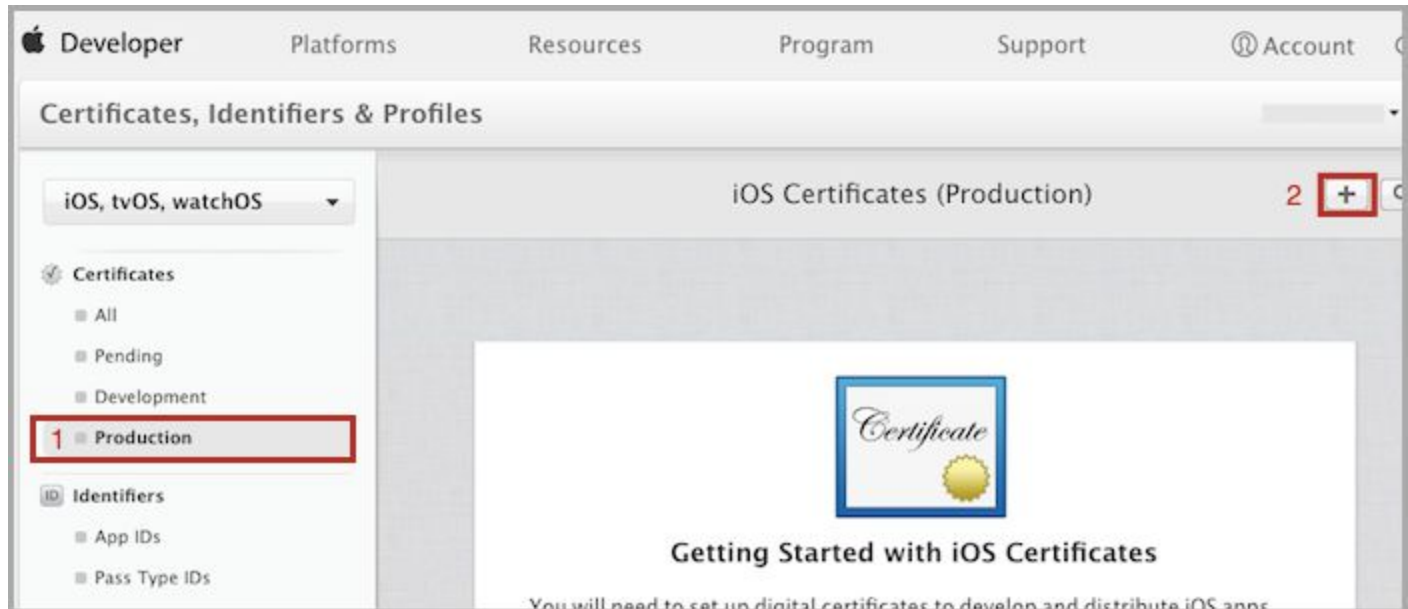
12. Scroll through and verify the data, then click on ***“Register”***, then click ***“Done”***.

The screenshot shows a registration screen with a list of settings and a bottom bar with three buttons. The settings are as follows:

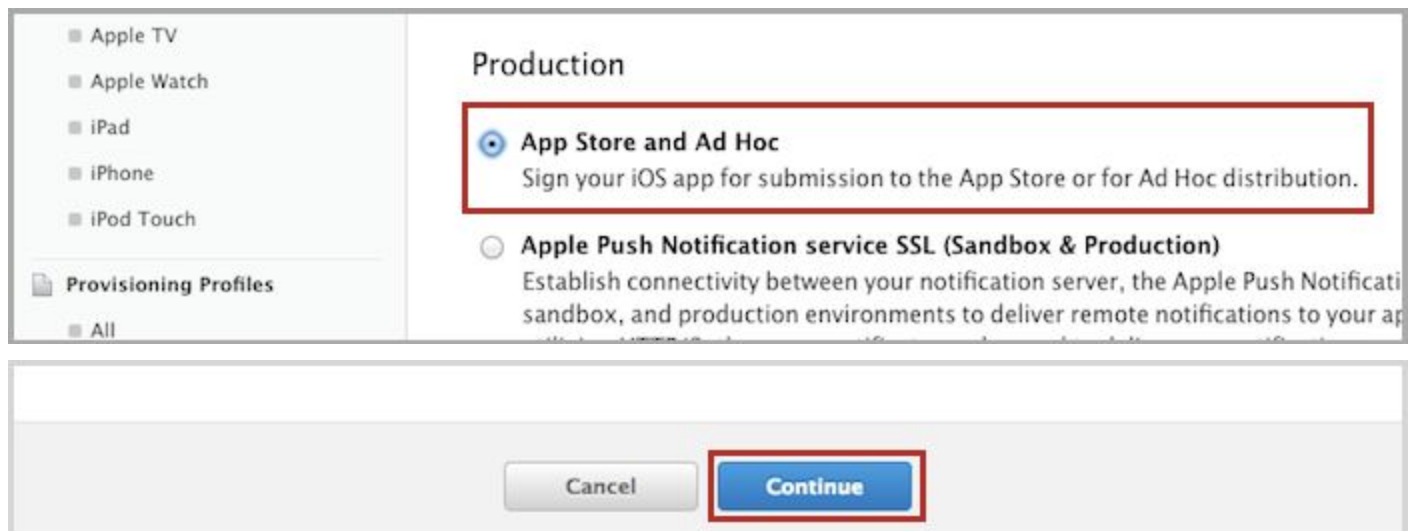
Setting	Value
In-App Purchase	Enabled
Inter-App Audio	Disabled
Wallet	Disabled
Push Notifications	Configurable
Personal VPN	Disabled

At the bottom of the screen, there are three buttons: "Cancel", "Back", and "Register". The "Register" button is highlighted with a red border. Below this bar, there is a separate bar containing a single "Done" button, also highlighted with a red border.

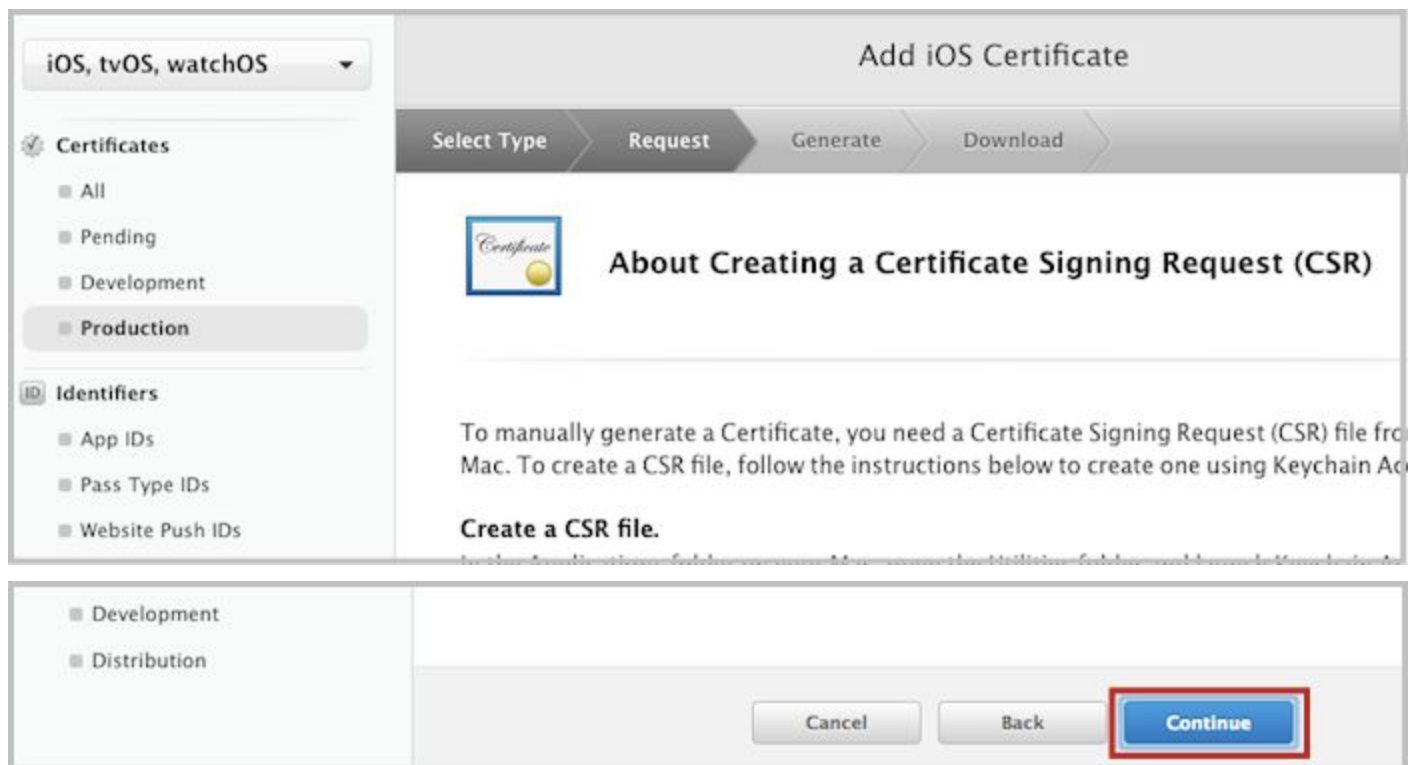
13. To Create a new Production Certificate, select **Certificates > Production** then click on the **"PLUS"** in the upper right. [NOTE: if you already have a production certification (from a past project) you do not need to create another. However, you will need to download the "Distribution private key .p12 cert" and have the Password (see steps 32 & 32).]



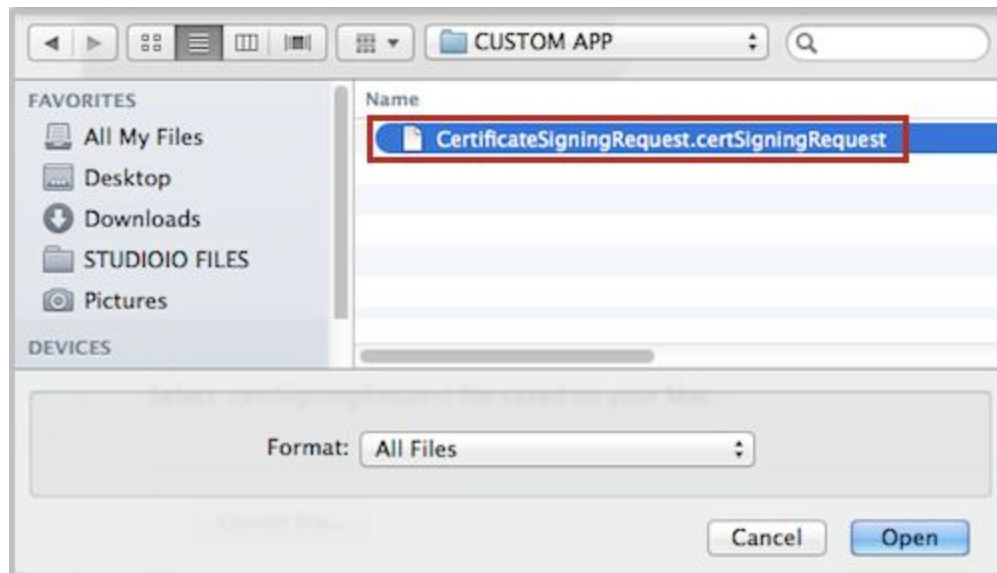
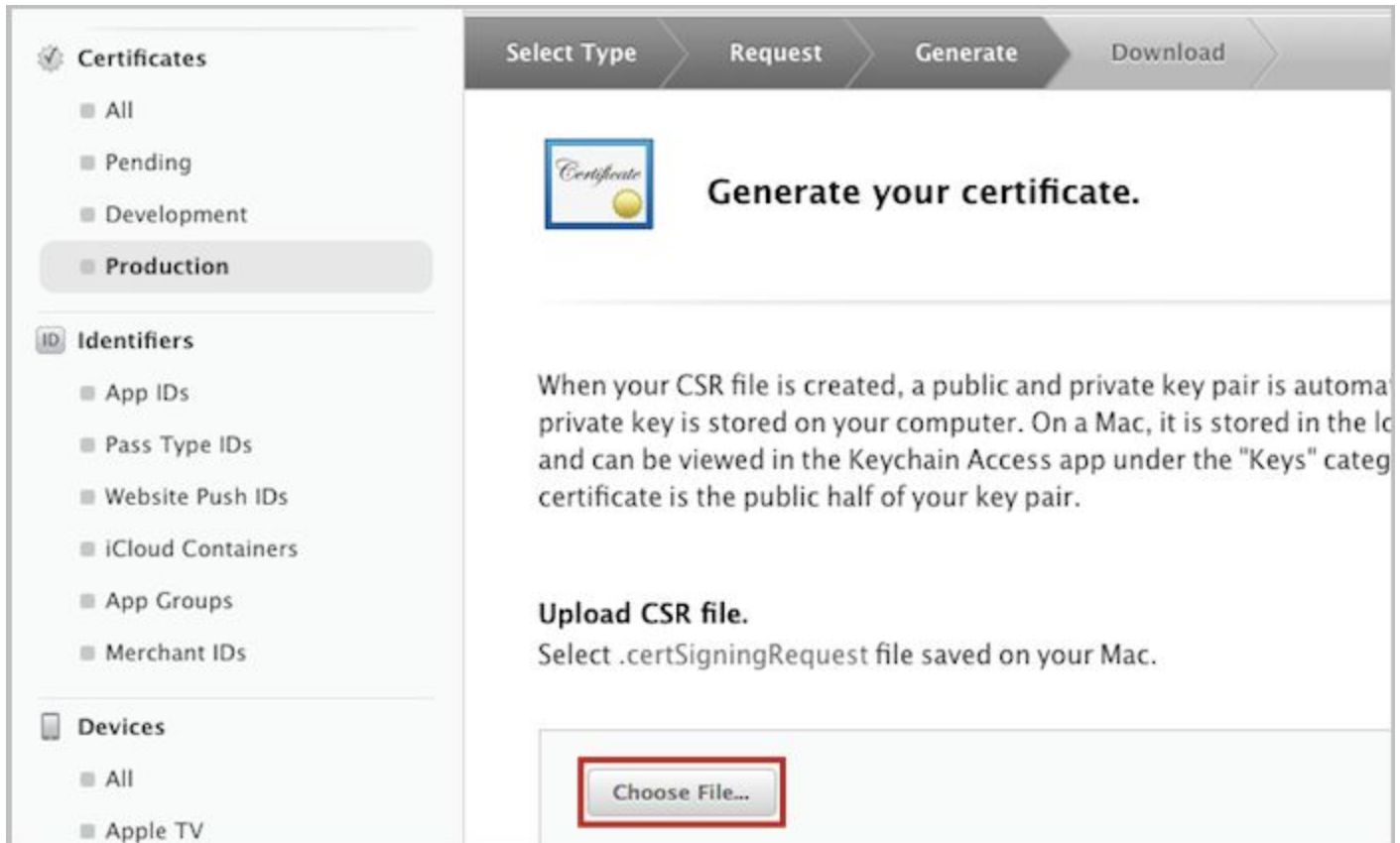
14. (on the new page, scroll down) Select **"App Store and Ad Hoc"**, then press **"Continue"** button at bottom of page.



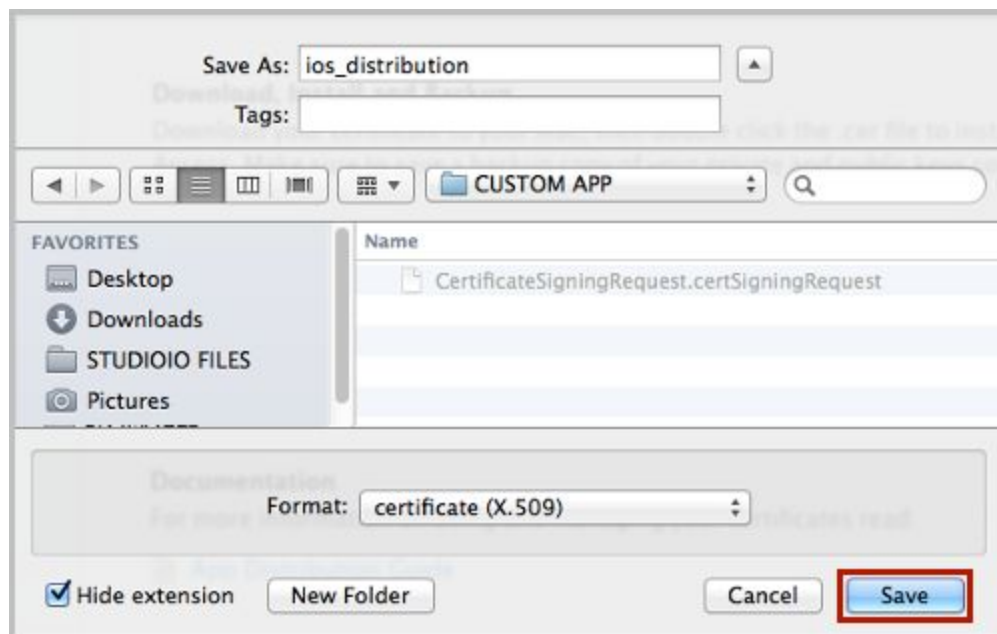
15. On the *About* page, click “Continue”..



16. Select “*Choose File*” to Upload your CSR file (CertificateSigningRequest.certSigningRequest) that was generated during the first step in Keychain (see point 4-5). (It should be in your *CUSTOM APP* folder.



17. **“Download”** this certificate now. [Note: *right-click* on the **“DOWNLOAD”** button and select **“save-as”** (ios_distribution.cer). Save it to your **CUSTOM APP** folder. This will make it easier to locate and upload to the proper location in future steps.] Then click done.

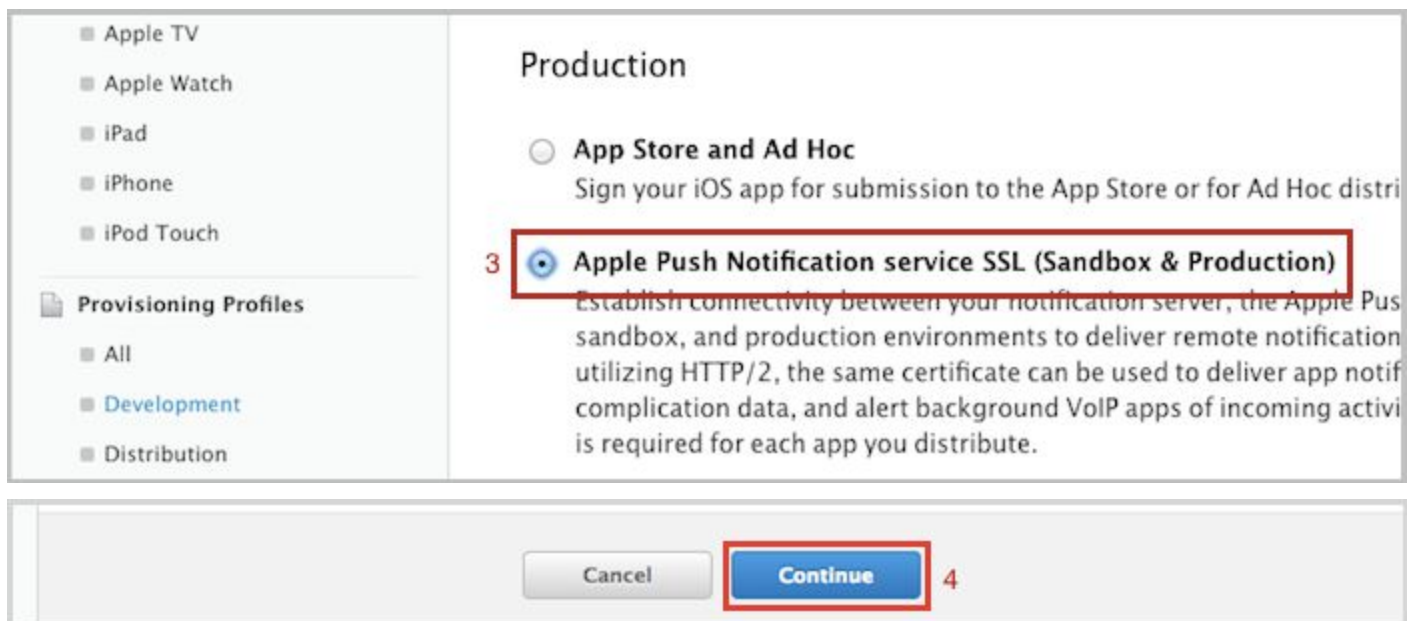


NOTE: If needed at a later time, you can re-download the Certificate by selecting it from the list and clicking on its **“Download”** button. [Certificates > Production]

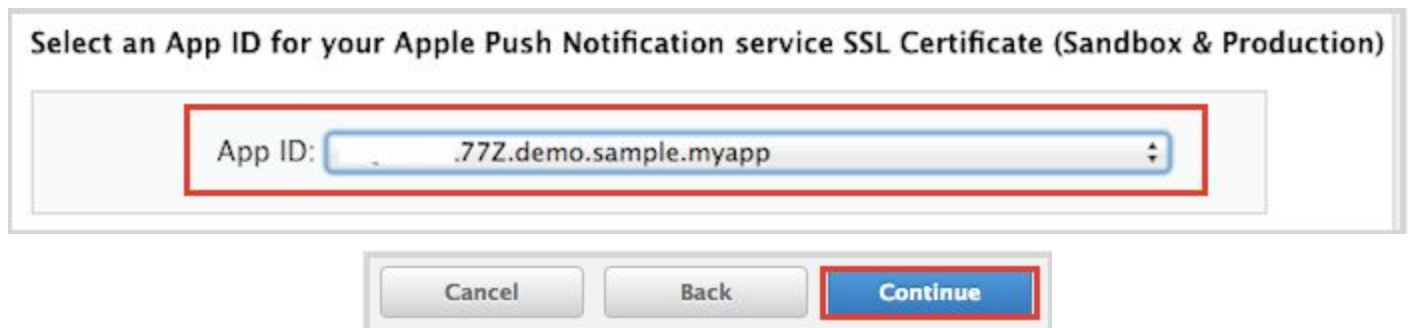
18. To create your Apple Push Certificate, select **Certificates > Production** and click on **“PLUS”** button



19. (new page, scroll down) Select **“Apple Push Notification service SSL...”** and press **“Continue”** button on the page bottom. **NOTE: be sure to select the “service SSL” option, not Authentication.**



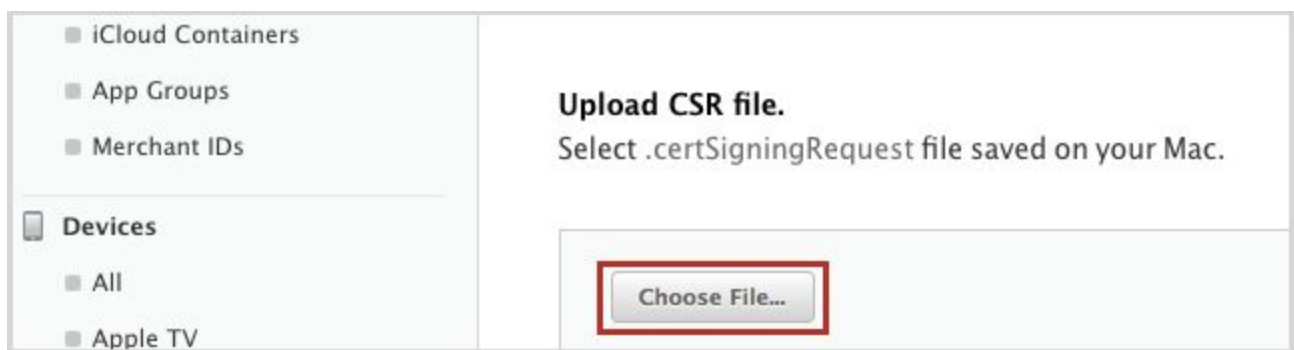
20. Select App ID (that was added on steps 8-11) and press **“Continue”**

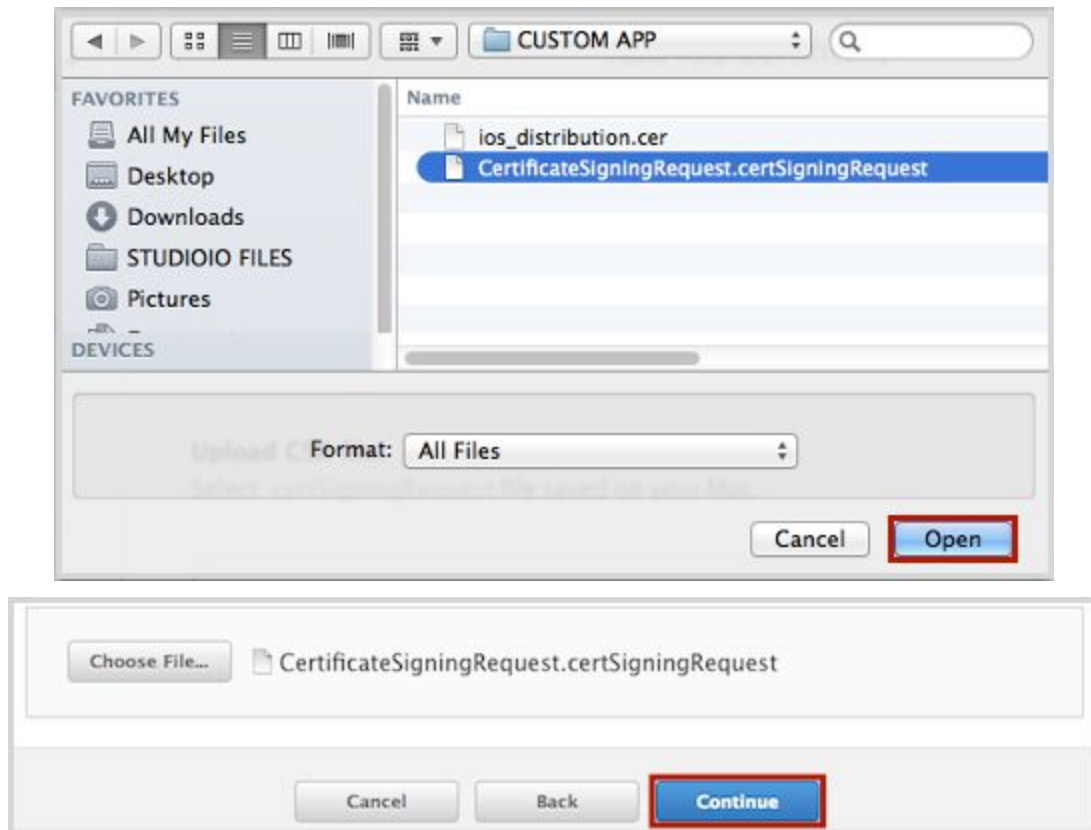


21. On the About page, click “Continue”

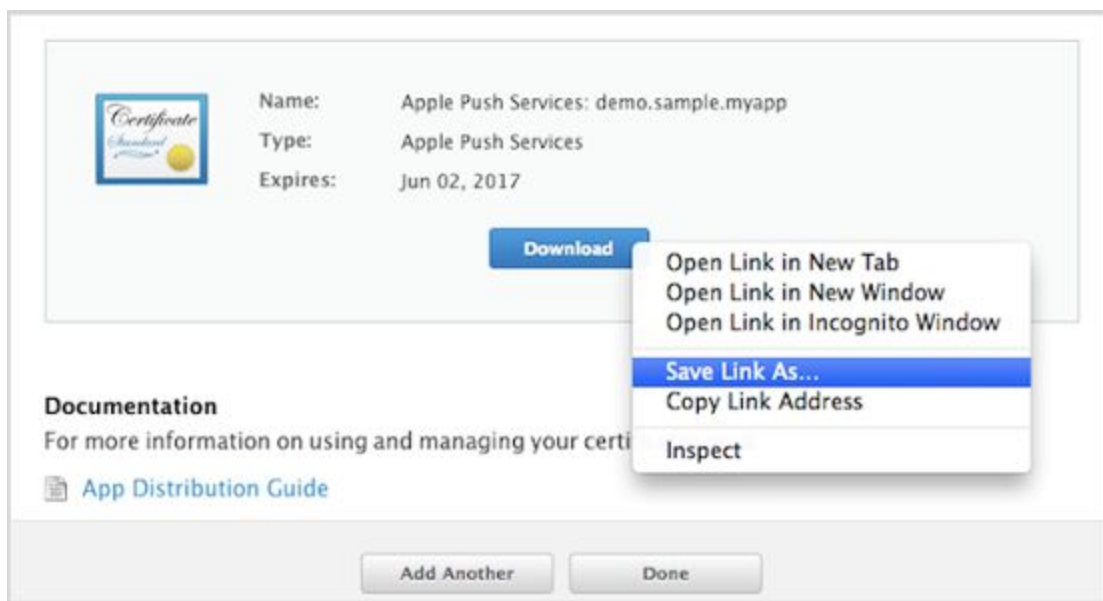


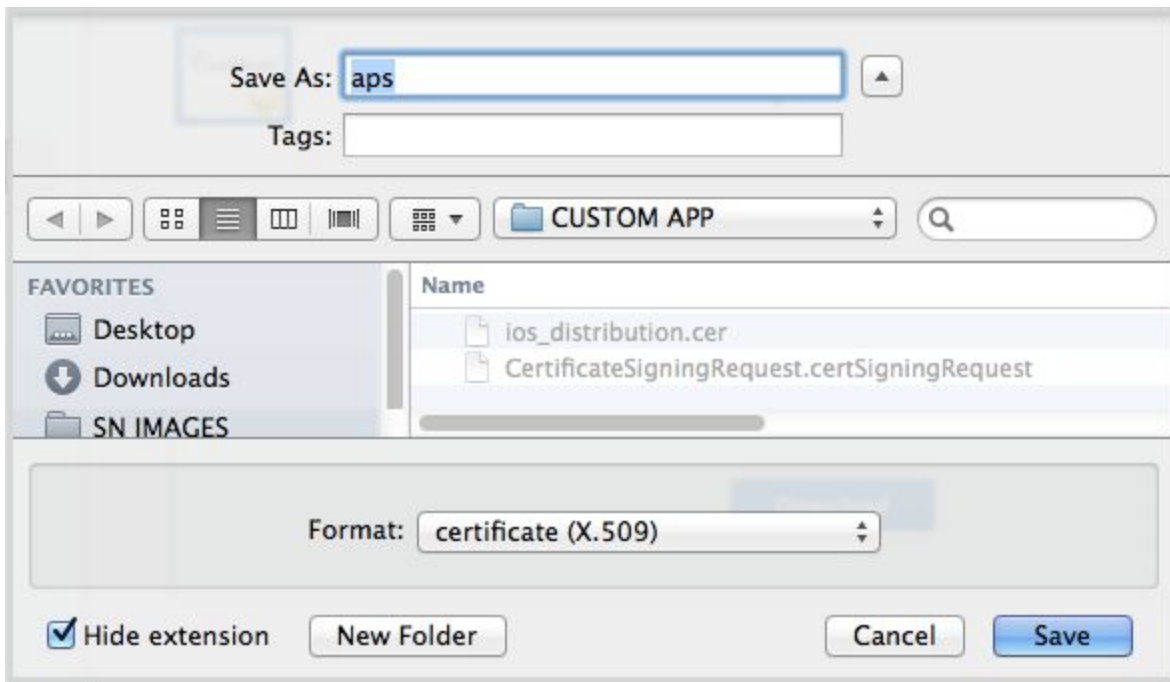
22. select “Choose File” to Upload your CSR file (CertificateSigningRequest.certSigningRequest) that was generated during the first step in Keychain (see point 4-5). (It should be in your *CUSTOM APP* folder.)





23. You can “Download” this certificate now. [Note: *right-click* on the “DOWNLOAD” button and select “save-as” (aps.cer) to save to your *CUSTOM APP* folder. This will make it easier to locate and upload to the proper location in future steps.] ...then click “Done”





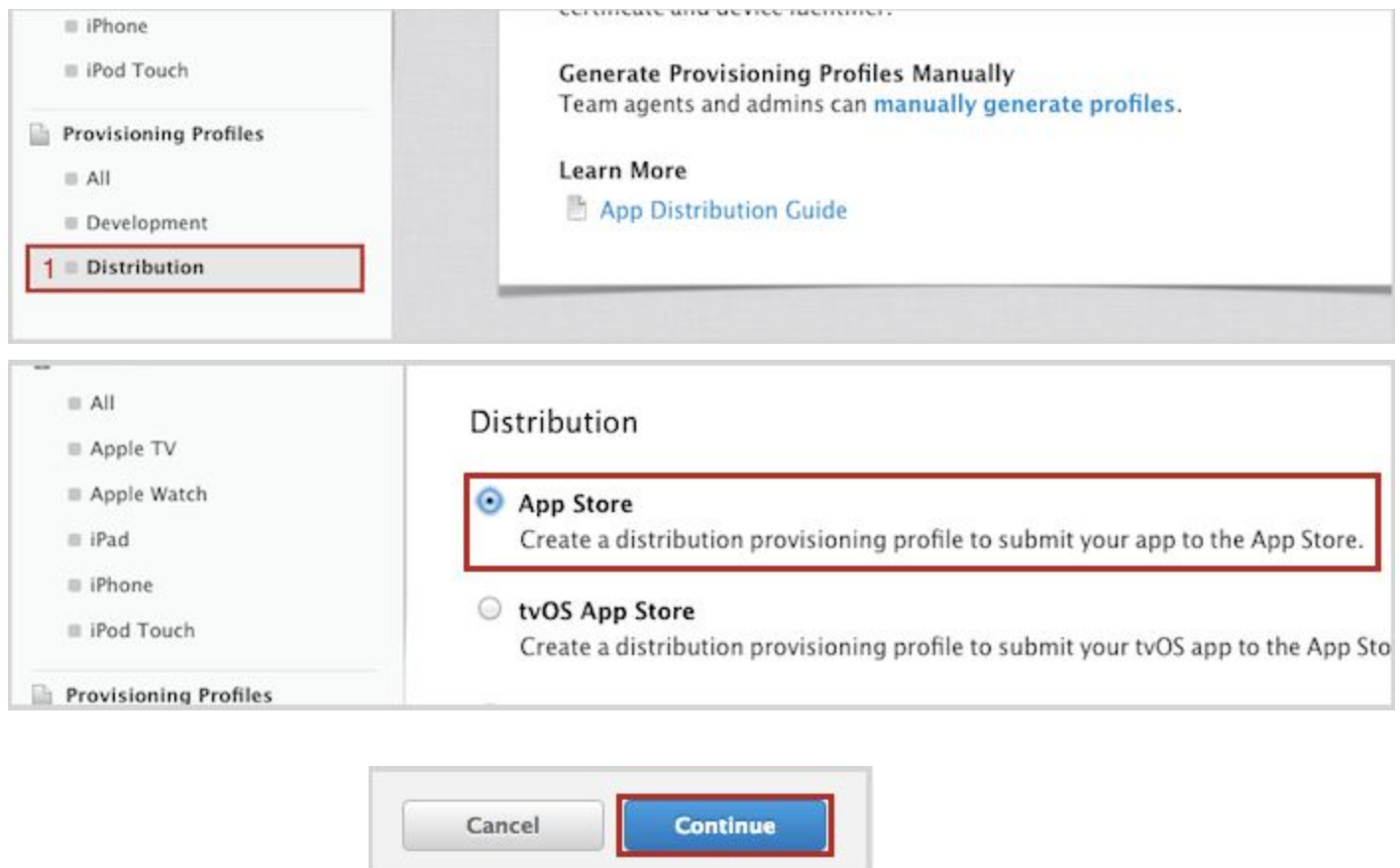
NOTE: If needed at a later time, you can re-download the Certificate by selecting it from the list and clicking on its “Download” button. [Certificates > Production]

24. To Create your **Provisioning Profile Distribution Certificate** (.mobileprovision), select **Provisioning Profiles > Distribution** (lower left) then click on the **“PLUS”** in the upper right.



(scroll down to bottom of page - lower left)

Select **“App Store”**, and then click **“Continue”**



25. Select your “App ID” (that was added on steps 8-11)... click “continue”

This screenshot shows the 'App IDs' section of the Apple Developer portal. On the left, a sidebar lists 'Website Push IDs', 'iCloud Containers', 'App Groups', and 'Merchant IDs'. The main area contains instructions: 'provisioning profile for multiple apps or don't need a specific Bundle ID, select a will App ID. Wildcard App IDs use an asterisk (*) as the last digit in the Bundle ID field. Pl note that iOS App IDs and Mac App IDs cannot be used interchangeably.' Below this, the 'App ID' dropdown is set to 'My New App (9C77Z.demo.sample.myapp)'. At the bottom, there are 'Cancel', 'Back', and 'Continue' buttons, with 'Continue' highlighted by a red box.

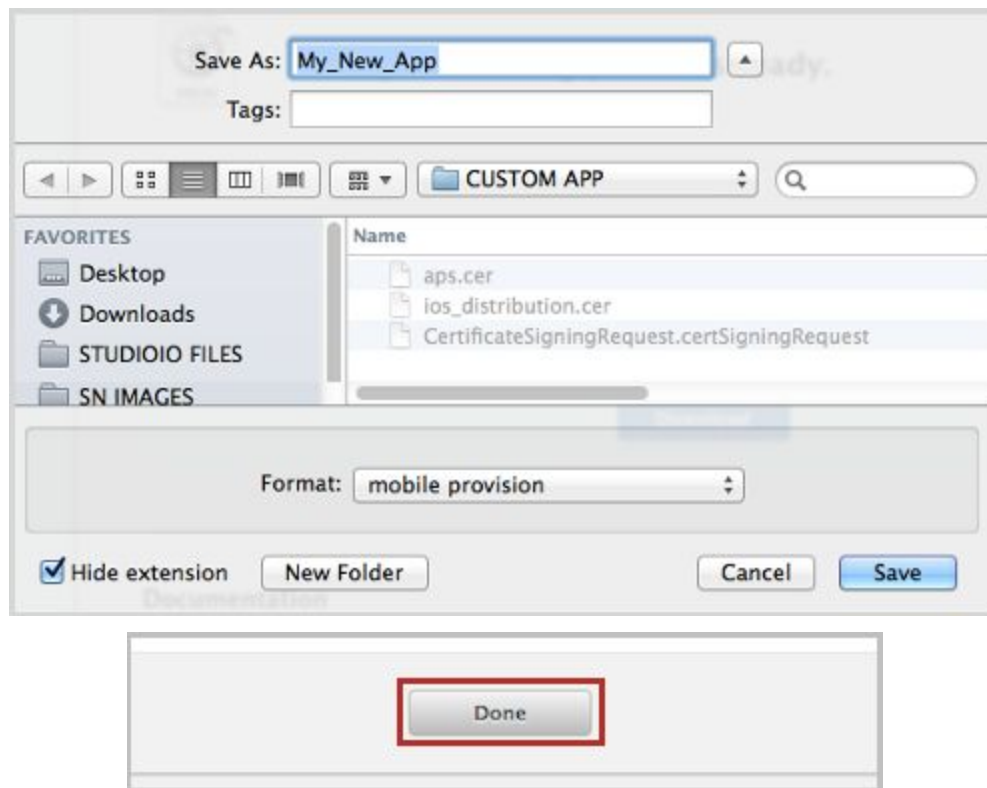
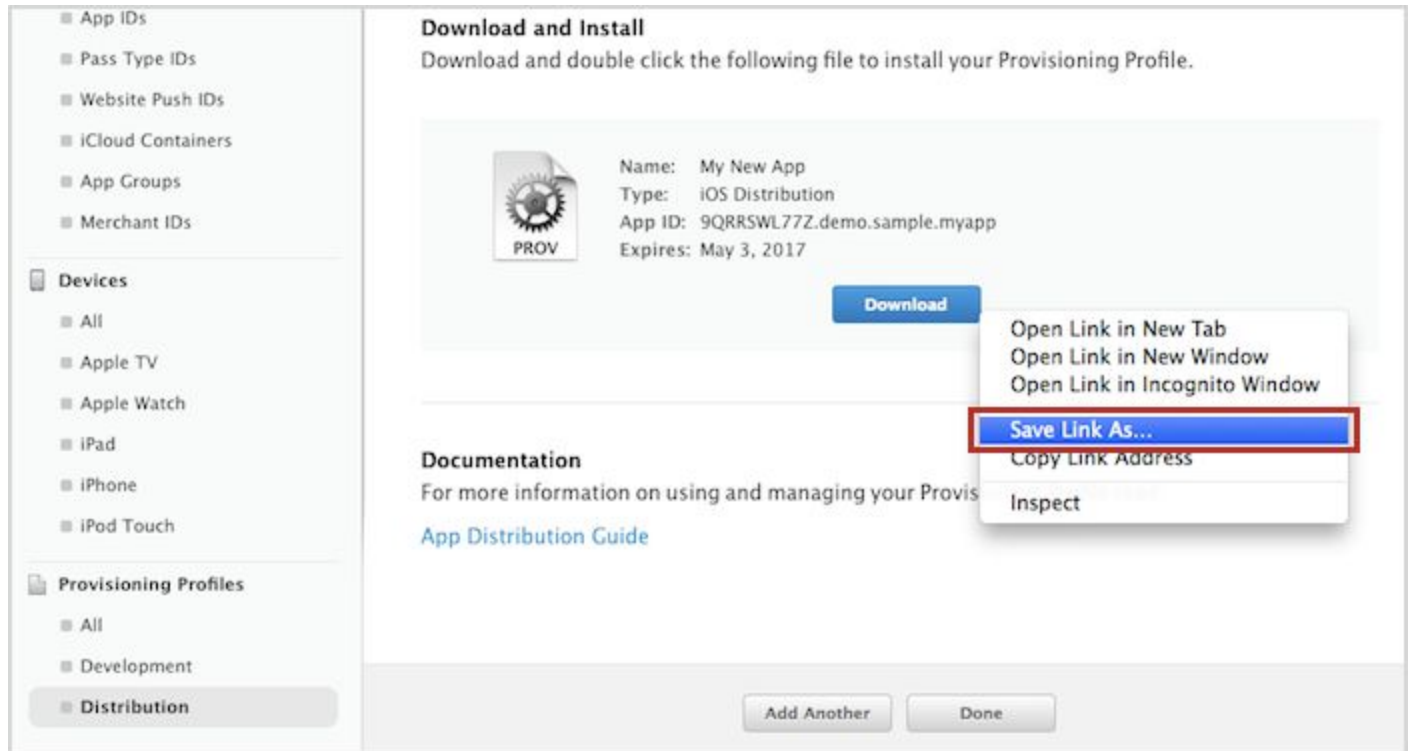
26. Select your “certificate”, then click “Continue”

This screenshot shows the 'Certificates' section. The sidebar on the left lists 'App IDs', 'Pass Type IDs', 'Website Push IDs', 'iCloud Containers', and 'App Groups'. The main area instructs: '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.' A single certificate is listed: '(iOS Distribution)' with an expiration date of 'May 03, 2017'. Below the list are 'Cancel', 'Back', and 'Continue' buttons, with 'Continue' highlighted by a red box.

27. Enter “Profile Name” ...click “continue”

This screenshot shows the 'Profile Name' entry screen. The sidebar on the left lists 'App IDs', 'Pass Type IDs', 'Website Push IDs', 'iCloud Containers', 'App Groups', and 'Merchant IDs'. The main area states: 'The name you provide will be used to identify the profile in the portal.' The 'Profile Name' field is filled with 'My New App'. Below this, the following details are displayed: 'Type: iOS Distribution', 'App ID: My New App (9QRRSWL77Z.demo.sample.myapp)', and 'Certificates: 1 Included'. At the bottom, there are 'Cancel', 'Back', and 'Continue' buttons, with 'Continue' highlighted by a red box.

28. You can “Download” this certificate now. [Note: right-click on the “DOWNLOAD” button and select “save-as” (#####.mobileprovision) to save it to your CUSTOM APP folder.]

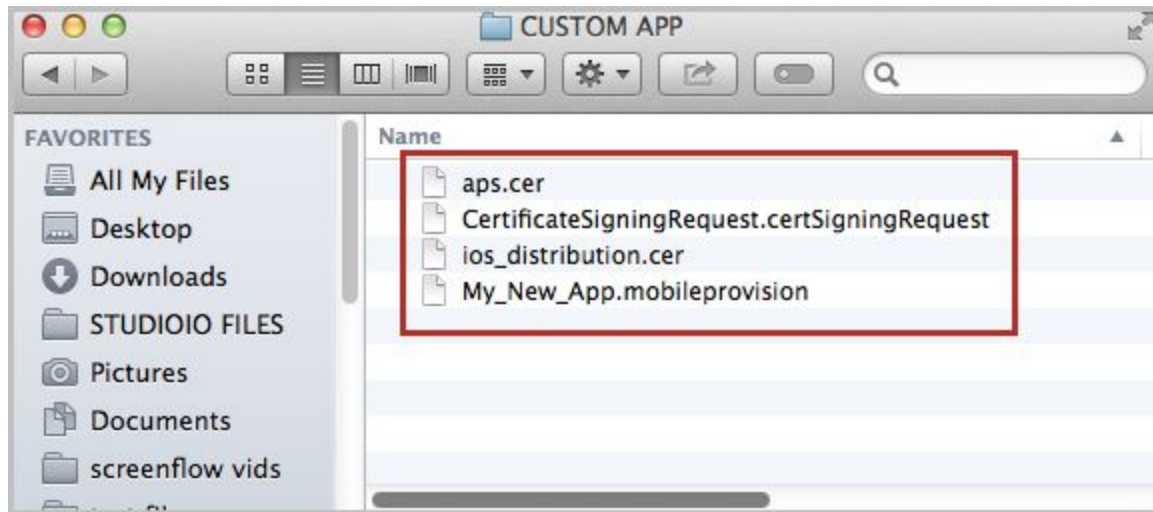


NOTE: If needed at a later time, you can re-download the Certificate by selecting it from the list and clicking on its “Download” button. [Certificates > Distribution]

When these 3 certs are generated, client opens Keychain.

29. Open folder “CUSTOM APP” on the desktop that contains your downloaded certificates..

It should look something like this (containing these files - some names may vary)



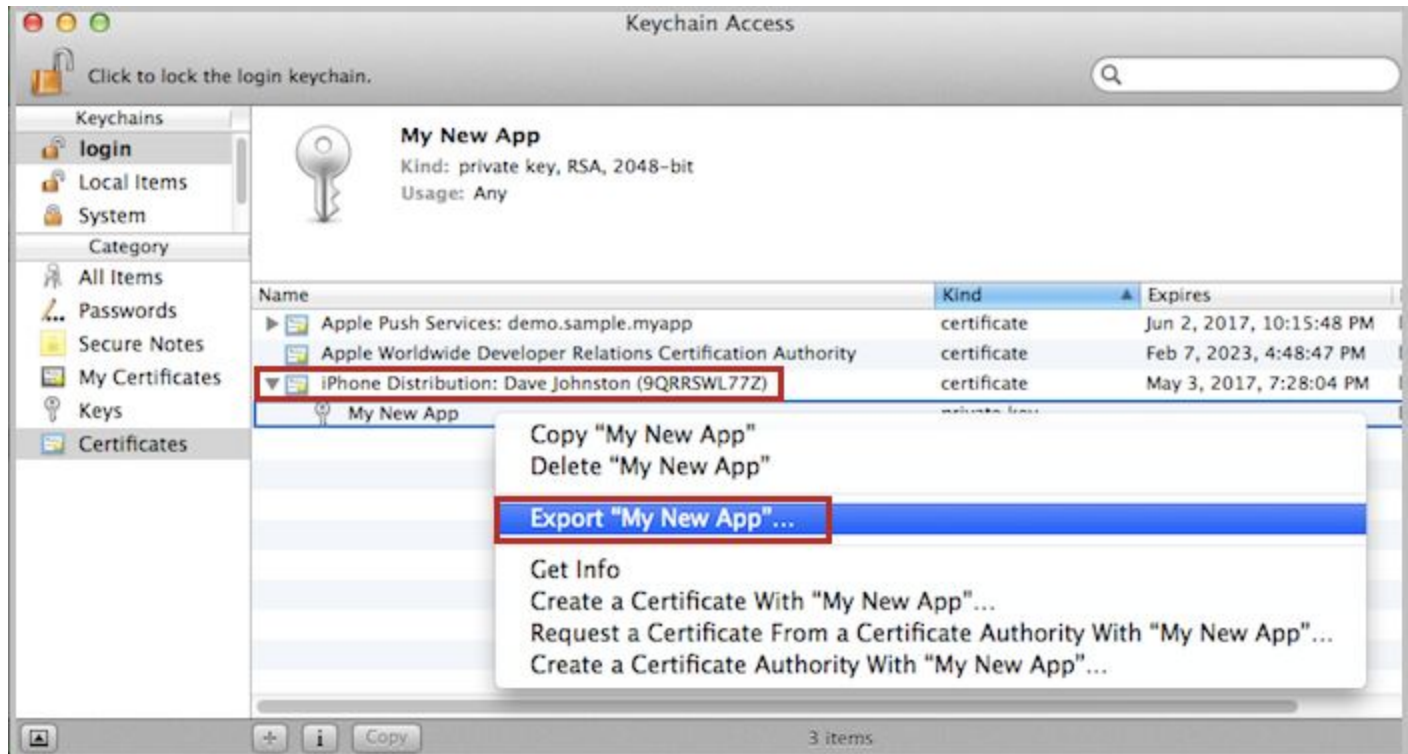
30. **Double-click** on each of the two .cer files (from within your CUSTOM APP folder) to open them in Keychain

- double click > **ios_distribution.cer**
- double click > **aps.cer**

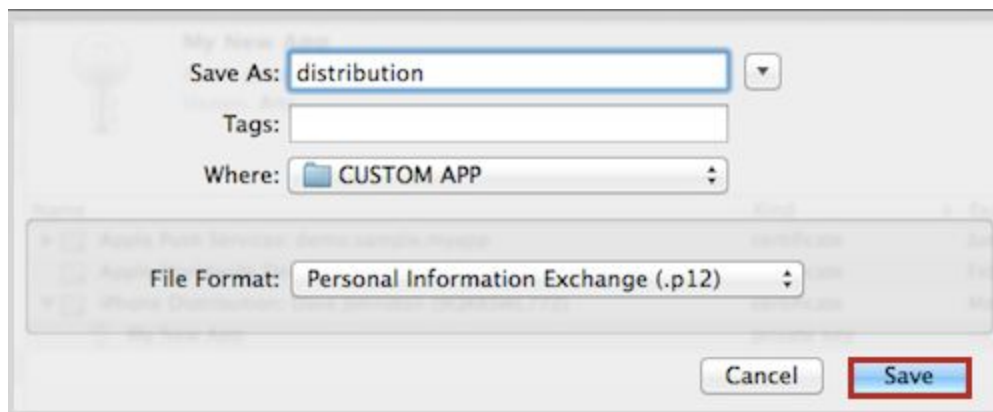
(Once complete, you should see something like this within your Keychain > Certificates.)



31. Within Keychains (login) > Category (Certificates), locate your iPhone Distribution certificate, **right-click** on the main item (iPhone Distribution:), and select **"Export..."**. Note: be sure to right-click on the item illustrated below in RED (not the sub-menu item outlined in Blue).



Enter (save as) the File's Name > "distribution", this will create the Apple distribution services private key (.p12) and save it to your "CUSTOM APP" folder (filename = distribution.p12)



32. Create password for this file (**WRITE THIS DOWN** this pass must be entered later in Studio -> *"Distribution private key .p12 password"* in a later step.)



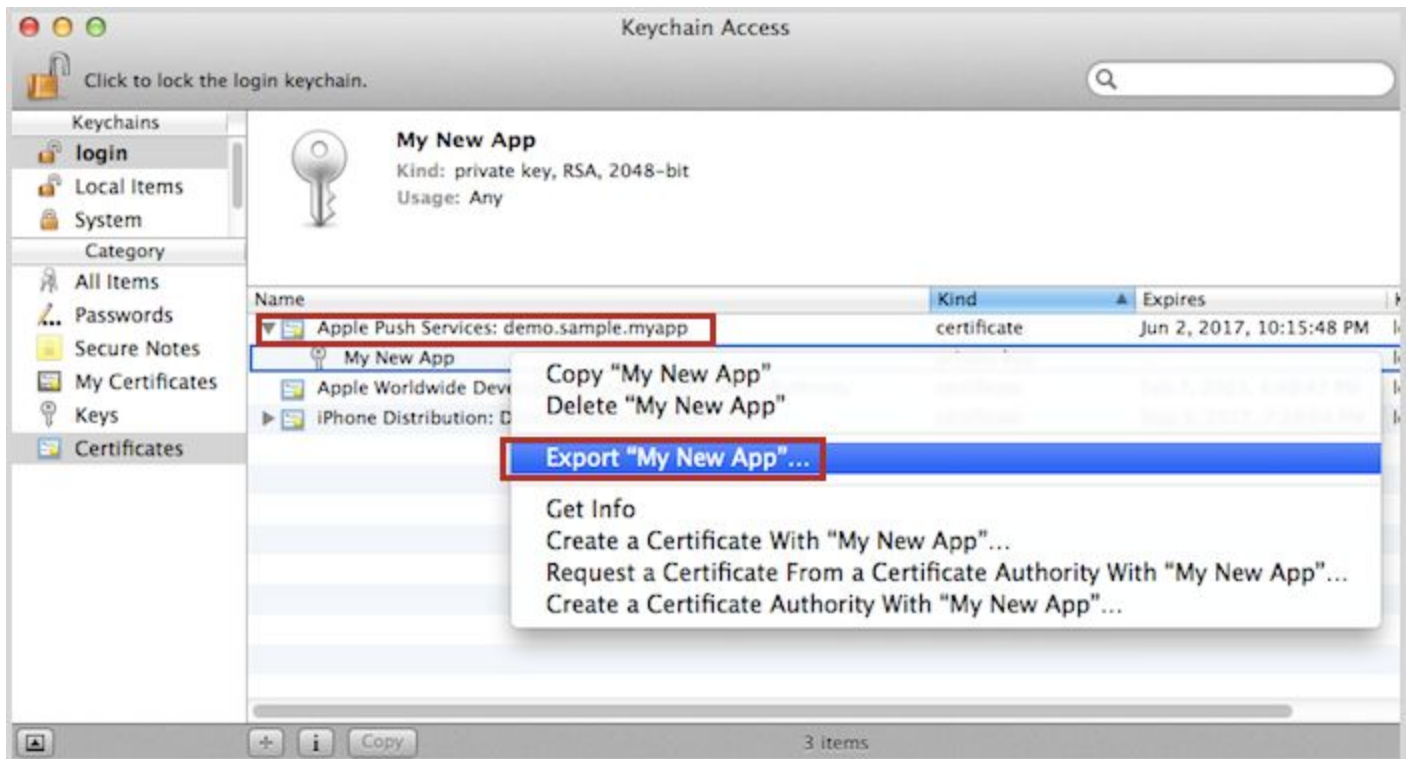
A macOS-style dialog box with a light gray background and a title bar. On the left is a yellow padlock icon with a keyhole. The text reads: "Enter a password which will be used to protect the exported items:". Below this are two text input fields. The first is labeled "Password:" and has a key icon to its right. The second is labeled "Verify:". Below the "Verify:" field is a "Password Strength:" indicator showing "Weak". At the bottom left is a help icon (a question mark in a circle). At the bottom right are two buttons: "Cancel" and "OK", with the "OK" button highlighted with a red border.

(You will need to enter your MAC's system password to Export the file.)

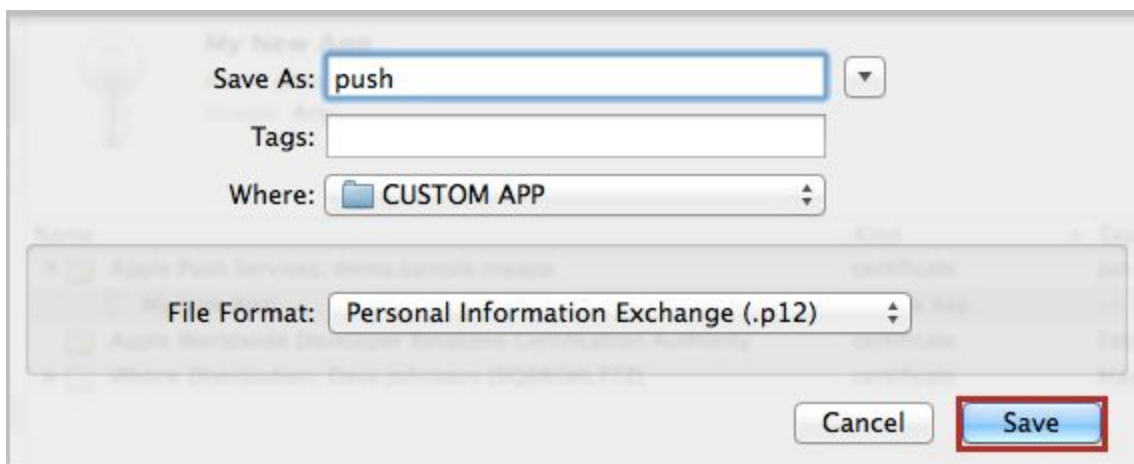


A macOS-style dialog box with a light gray background and a title bar. On the left is a yellow padlock icon with a keyhole. The text reads: "Keychain Access wants to export key 'My New App' from your keychain." Below this is the text: "To allow this, enter the 'login' keychain password:". Below this is a text input field labeled "Password:" containing several dots. At the bottom left is a help icon (a question mark in a circle). At the bottom are three buttons: "Always Allow", "Deny", and "Allow", with the "Allow" button highlighted with a red border.

33. Within Keychain, locate your Apple Push Certificate. Right-click on it and select "Export..."



34. Enter (save as) the File Name "push", this will create the Apple push services private key (.p12) and save it to your CUSTOM APP folder (filename = push.p12)



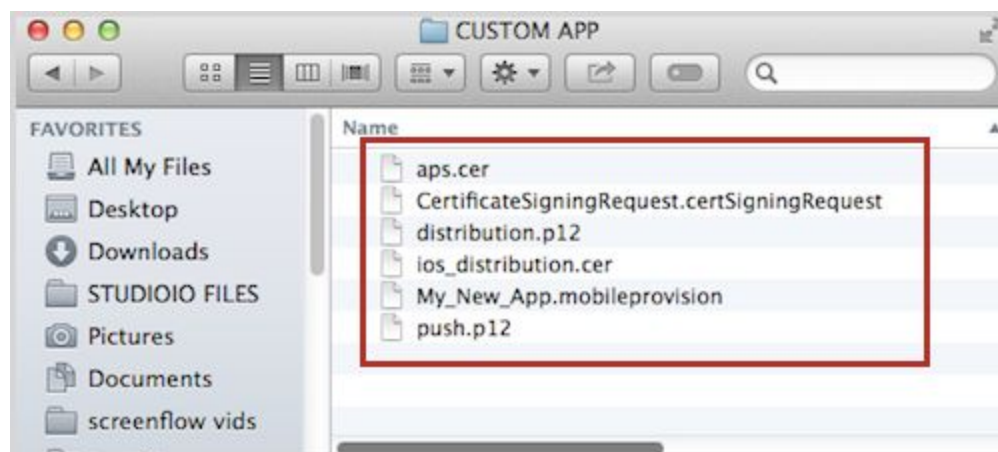
35. Create pass for this file (**WRITE THIS DOWN**, this pass must be entered later in Studio “Apple push services private key .p12 password”)




(You will need to enter your MAC's system password to Export the file.)



Your CUSTOM APP should look something like this (containing these files - some names may vary)



Open Studio -> App Manager Page -> Custom App -> iOS

 iOS ▲


Upload all needed files:

Distribution private key (.p12)	<input type="button" value="UPLOAD"/>
Apple push services private key (.p12)	<input type="button" value="UPLOAD"/>
Distribution Provisioning Profile Certificate (.mobileprovision)	<input type="button" value="UPLOAD"/>
Apple Push Certificate (.cer)	<input type="button" value="UPLOAD"/>
App Icon <small>Image for icon must be 1024x1024px, png</small>	<input type="button" value="UPLOAD"/>
App Launch Screen Image <small>Image for launch screen must be 1080x1920px, png</small>	<input type="button" value="UPLOAD"/>

Bundle Id	<input type="text" value="Enter Bundle Id"/>
App name	<input type="text" value="Enter App name"/>
Team Id	<input type="text" value="Enter Team Id"/>
Distribution private key .p12 password	<input type="text" value="Enter Distribution private key .p12 password"/>
Apple push services private key .p12 password	<input type="text" value="Enter Apple push services private key .p12 password"/>

Please fill in all fields to create your app

36. Distribution private key (distribution.p12) was downloaded in step 31 in Keychain
37. Apple push services private key (push.p12) was downloaded in step 35 in Keychain
38. Distribution Provisioning Profile Certificate (#####.mobileprovision) has been obtained in step 28 in developer account
39. Apple Push Certificate (aps.cer) was downloaded in step 22 in developer account
40. Bundle ID is available within your developer account >
<https://developer.apple.com/account/ios/identifier/bundle> (...Identifiers > APP IDs)
41. App name - this Title will be shown on user's phone below icon
42. Team ID - from developer account <https://developer.apple.com/> (*within ACCOUNT > MEMBERSHIP)

 Developer

Account

Program Resources

Overview

Membership

Certificates, IDs & Profiles


iTunes Connect

CloudKit Dashboard

Code-Level Support

Additional Resources

Documentation



Membership Details

Your team's membership information and legal agreements.

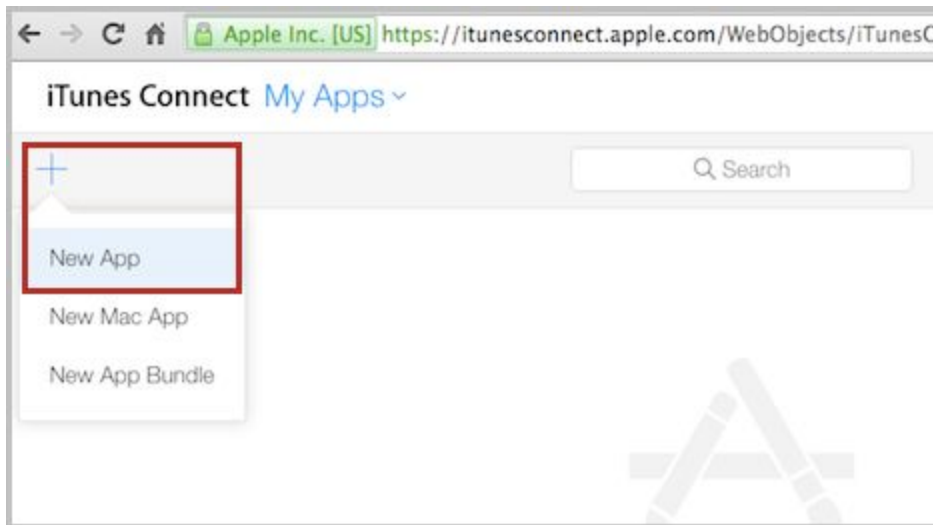
Membership Information

Program Type	Apple Developer Program
Team Name	Dave Johnston
Team ID	SWL77Z

43. Distribution private key .p12 password - it was created on step 32
44. Apple push services private key .p12 password - it was created on step 36
45. PRESS SAVE
46. PRESS CREATE NOW - in just a few minutes, the IPA file will appear within your Studio's > Media Bank. You can then download this file to your system, and upload it to your Developer Account.

Phase 2: Go to <https://itunesconnect.apple.com>, sign in...

47. Click on My Apps > + “plus” (upper left) > New App



48. Enter Necessary info (Note: all fields have tips “?”)

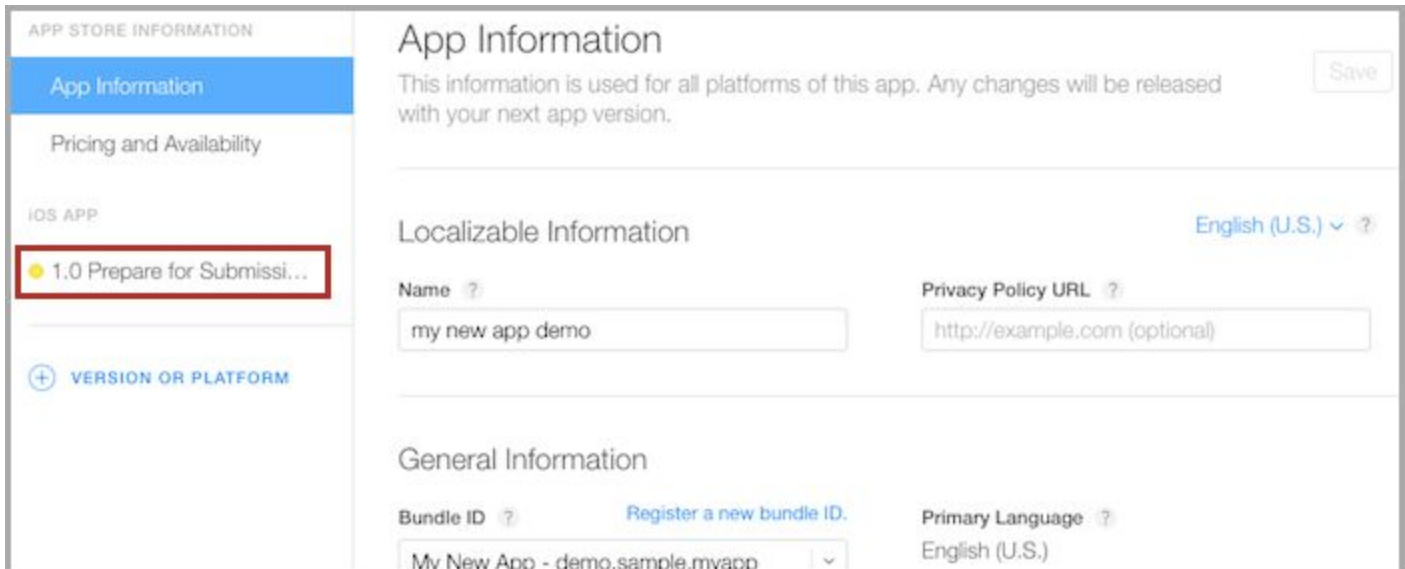
> APP Name - will be shown in App Store

> Bundle ID - was entered in step 9

> SKU - can be any number you want

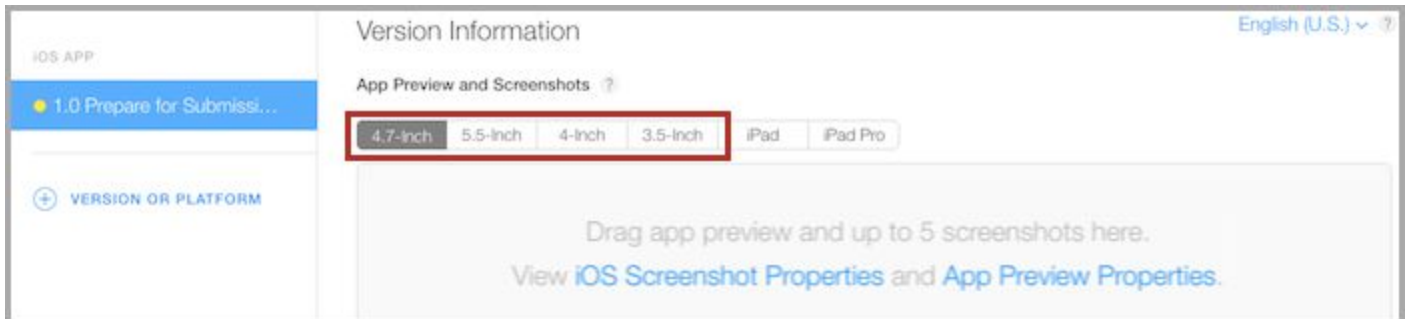
49. Confirm the information displayed, then click on **“Prepare for Submission”** (on the left).

* Privacy Policy URL: <https://sermon.net/for-the-ministry/privacy-policy/>



50. Upload your Screenshots. Use the default screenshots we have provided. These images can be replaced at a later time. (Later, you can install your App and grab fresh screenshots.)

Upload your images at a high resolution (1242 x 2208), Apple will automatically create the residual smaller sizes.



51. To upload IPA file that was created within your Studio -> Media Bank, the iTunes **Application Loader** must be downloaded & installed on your system.



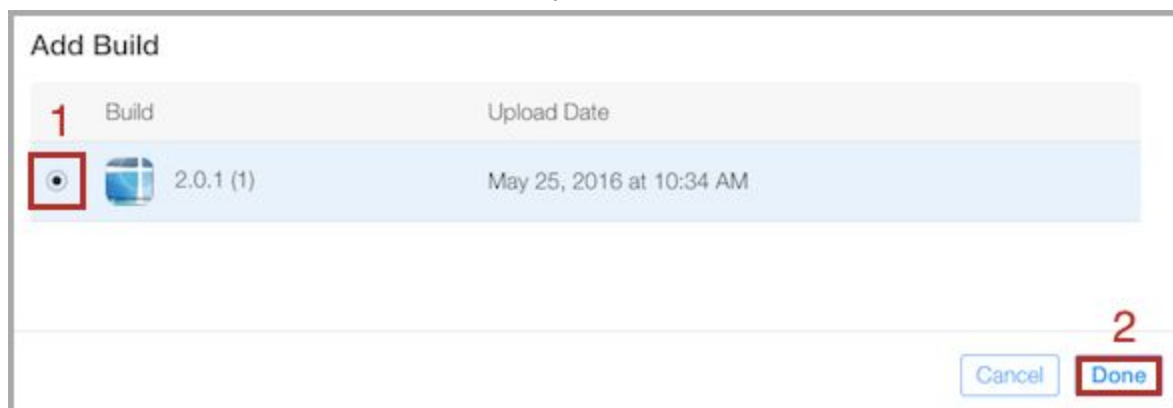
Once installed, run and select **“Choose”** to locate and Deliver Your App (.IPA file) to iTunes. (You may get a warning message, do not worry... all is well.) It may take up to 60 minutes for iTunes to process your upload and make it available for selection within the **“Build”** section.



After a period of time (~60 minutes), the plus (+) sign will show up next to **Build**.



Click on it (+) to select the IPA / Build that you created & uploaded, then click **Done**.



52. Enter Description and Keywords

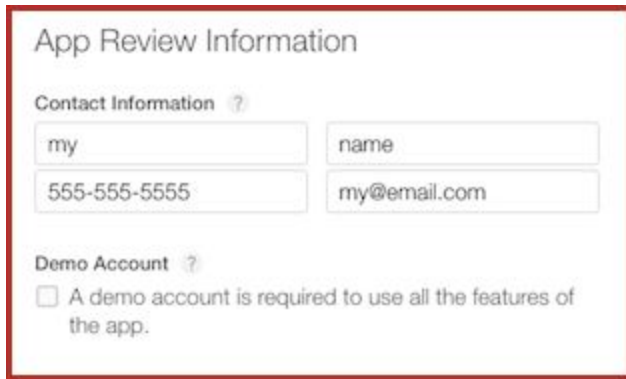
Description ?	Keywords ?
<div></div>	<div></div>
	100
	Support URL ?
	<div>http://example.com</div>
	Marketing URL ?
	<div>http://example.com (optional)</div>

53. Enter General App info, including your App Icon (1024x1024)

General App Information	
App Icon ?	Copyright ?
<div>Choose File</div>	<div></div>
	Trade Representative Contact Information ?
	<input type="checkbox"/> Display Trade Representative Contact Information on the Korean App Store.
Version ?	David Johnston
<div>1.0</div>	<div>First name</div> <div>Last name</div>
	<div>413 Buaman Rd.</div>
	<div>Apt., suite, bldg. (optional)</div>
Rating Edit	<div>Amherst NY</div> <div>New York</div>
No Rating	<div>14221</div> <div>United States</div>
	<div>Phone number</div> <div>Email</div>

* Within the **Rating > Edit** section, the answer is **NO** to all.

54. Enter App Review Information



App Review Information

Contact Information ?

my name

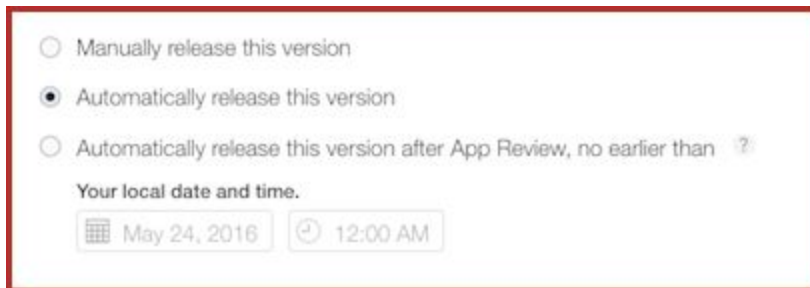
555-555-5555 my@email.com

Demo Account ?

☐ A demo account is required to use all the features of the app.

* There is no demo account required

55. Select your release schedule



☐ Manually release this version

☒ Automatically release this version

☐ Automatically release this version after App Review, no earlier than ?

Your local date and time.

May 24, 2016 12:00 AM

56. When ready, press **SAVE** then click on “Submit for review” (in the upper right) *...then wait for Apple to Review your submission. This can take a day or two. :)*



Save → Submit for Review

* If asked about **Advertising** or **3rd party content**, the answer is **NO** to all.

Whew... that's it! If all went well, your iOS App will be available with the iTunes App Store in a day or two. Your app will be under the iPhone category, but it will work on both iPhones & Tablets.

If you encounter any issues, please let us know and we will do all we can to assist.
Enjoy your new App!