

Publishing AppStudio Apps into the Google and Apple App Stores

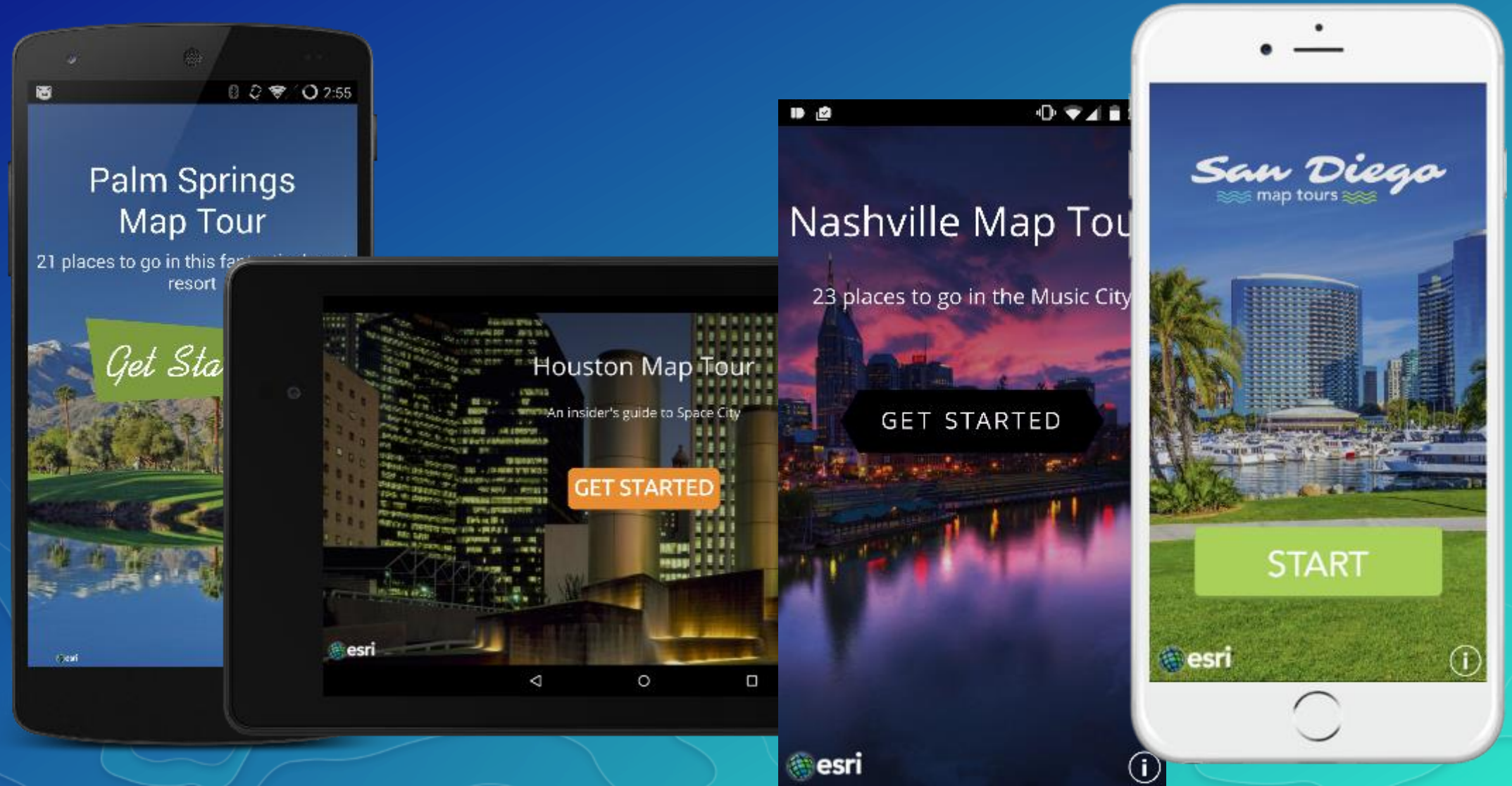
Chris LeSueur

Anshuman Mathur

Agenda

- Creating your App With AppStudio for ArcGIS
- Building and Publishing for Google Play Store (Android)
- Building and Publishing for the Apple App Store (iOS)
- Questions

Why am I presenting this?

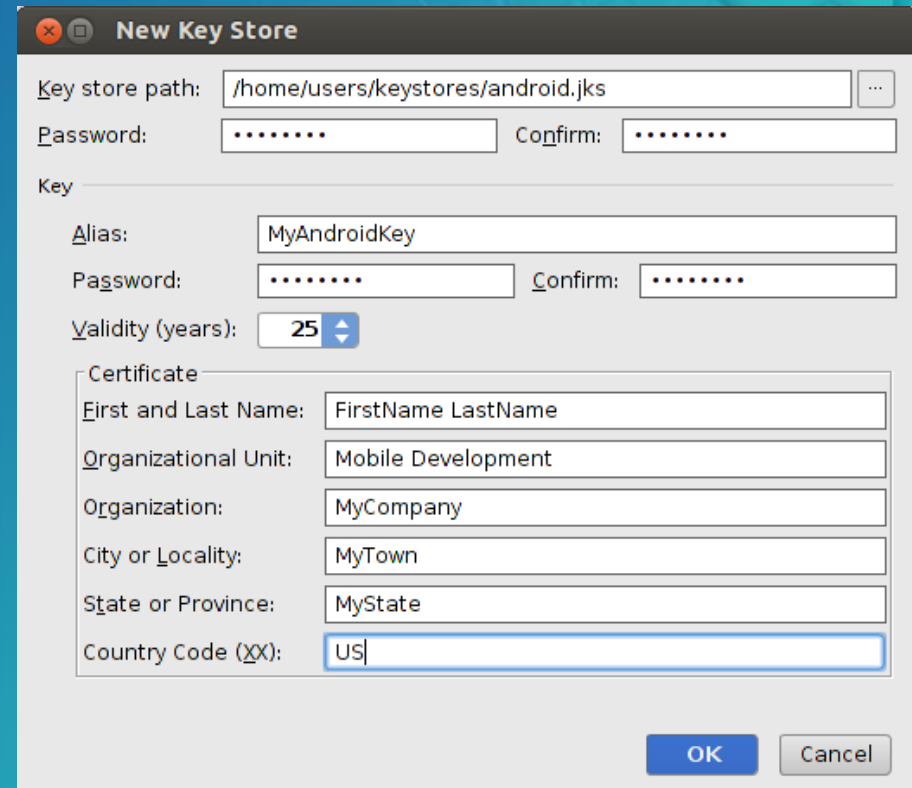




Building and Publishing for Google Play Store (Android)

Publishing for Android

- Create a keystore file to sign you app
- Easy way is to use the wizard in **Android Studio**
- <http://developer.android.com/tools/publishing/app-signing.html>
- Another Helpful tool is “Keystore Explorer”



New Key Store

Key store path:

Password: Confirm:

Key

Alias:

Password: Confirm:

Validity (years):

Certificate

First and Last Name:

Organizational Unit:

Organization:

City or Locality:

State or Province:

Country Code (XX):

OK Cancel


Publishing for Android - Keystore



- Sign your app and give it the keystore file

Support

Sign Android App

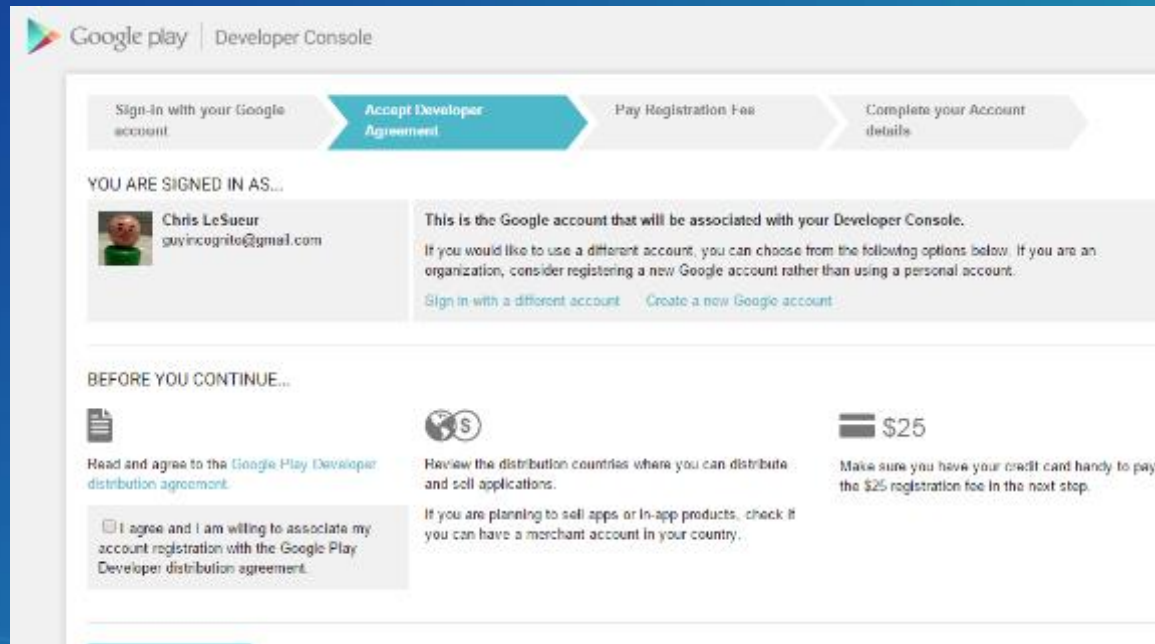
Package Name	<input type="text" value="com.esri.SDMapTourUC"/>
<input checked="" type="checkbox"/> Sign Android App	
Key Alias	<input type="text" value="myfakekey"/>
Key Password	<input type="password" value="••••••••"/> 
Store File	<input type="text" value="esripress-release.jks"/>



Now Build It!

Publishing for Android - keystore

- Sign-up for a Google Account: <https://play.google.com/apps/publish/signup/>
- Price \$25/yr




The screenshot shows the Google Play Developer Console sign-up process. At the top, there's a progress bar with four steps: 'Sign-in with your Google account' (completed), 'Accept Developer Agreement' (current step), 'Pay Registration Fee', and 'Complete your Account details'. Below the progress bar, it says 'YOU ARE SIGNED IN AS...' followed by a profile picture and the name 'Chris LeSueur' with the email 'guyincognito@gmail.com'. To the right, it states 'This is the Google account that will be associated with your Developer Console.' and provides instructions for choosing an account. Below this, it says 'BEFORE YOU CONTINUE...' and lists three requirements: 1. Read and agree to the Google Play Developer distribution agreement, with a checkbox for 'I agree and I am willing to associate my account registration with the Google Play Developer distribution agreement.' 2. Review the distribution countries where you can distribute and sell applications, with a note about merchant accounts. 3. Make sure you have your credit card handy to pay the \$25 registration fee in the next step.

Google play | Developer Console


Sign-in with your Google account | **Accept Developer Agreement** | Pay Registration Fee | Complete your Account details


YOU ARE SIGNED IN AS...


 Chris LeSueur
guyincognito@gmail.com

This is the Google account that will be associated with your Developer Console.
If you would like to use a different account, you can choose from the following options below. If you are an organization, consider registering a new Google account rather than using a personal account.
[Sign in with a different account](#) [Create a new Google account](#)

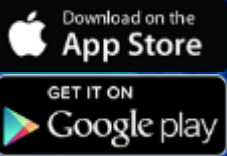
BEFORE YOU CONTINUE...

 Read and agree to the [Google Play Developer distribution agreement](#).
☐ I agree and I am willing to associate my account registration with the Google Play Developer distribution agreement.

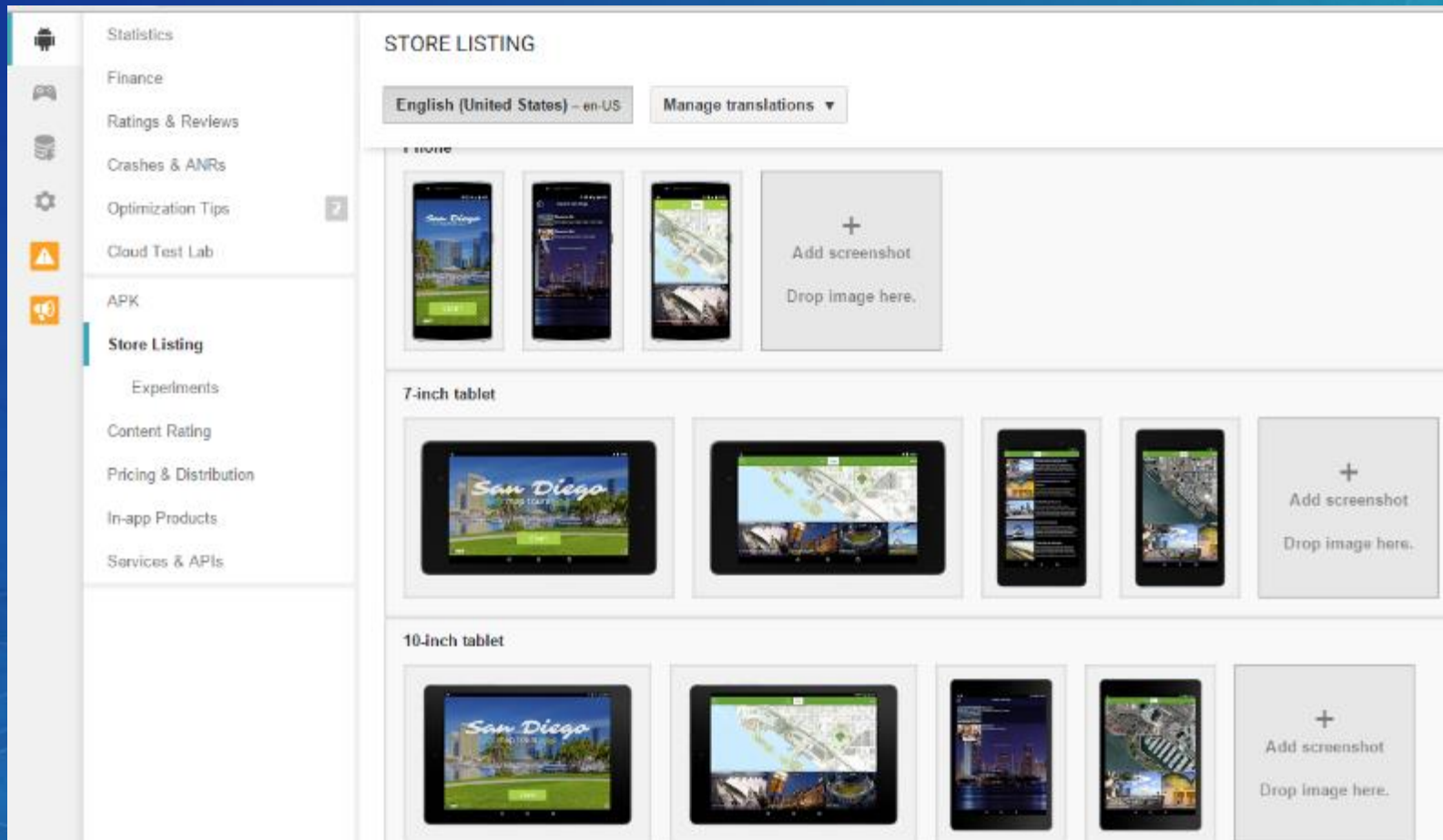
 Review the distribution countries where you can distribute and sell applications.
If you are planning to sell apps or in-app products, check if you can have a merchant account in your country.

 \$25 Make sure you have your credit card handy to pay the \$25 registration fee in the next step.

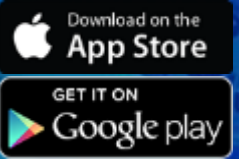
Publishing for Android



- Create a new listing in Google Play: <https://play.google.com/apps/publish/>



Tips to Android

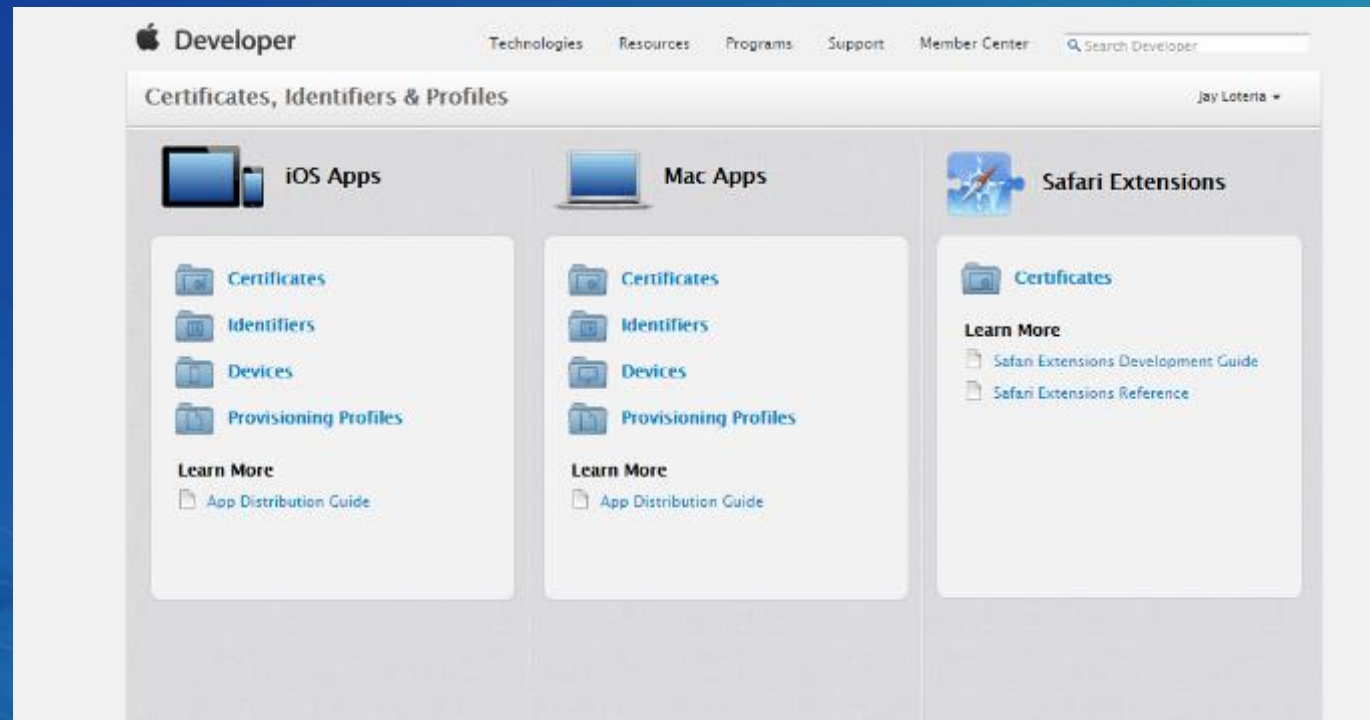


- Create good screenshots for:
 - Phone
 - 7 inch Tablets (or 8 inch)
 - 10 inch Tablets (or 9 inch)
- Beware that you app will live in about 2 hours (less)

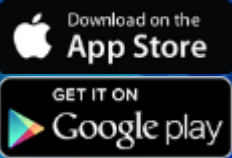
Building and Publishing for the Apple App Store (iOS)

Publishing for Apple App Store

- Get a an Apple Developer Account <https://developer.apple.com>
- Price \$99



Publishing for Apple App Store

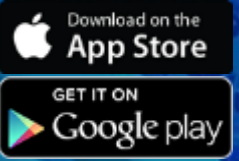


- Create a developer certificate

The screenshot shows the Apple Developer portal interface. The top navigation bar includes 'Technologies', 'Resources', 'Programs', 'Support', and 'Member Center'. The main heading is 'Certificates, Identifiers & Profiles'. The left sidebar has a 'Certificates' section with options: 'All', 'Pending', 'Development', and 'Production'. The main content area is titled 'iOS Certificates' and shows a table with 5 certificates. A yellow circle highlights the '+' button in the top right corner of the 'iOS Certificates' section.

Name	Type	Expires
Jay Loteria	iOS Development	Mar 16, 2016
Esri Online LLC	iOS Distribution	Mar 22, 2016
Esri Online LLC	iOS Distribution	Mar 15, 2016
com.esri.esribooks	APNs Development iOS	Jul 12, 2016
com.esri.esribooks	APNs Production iOS	Jul 12, 2016

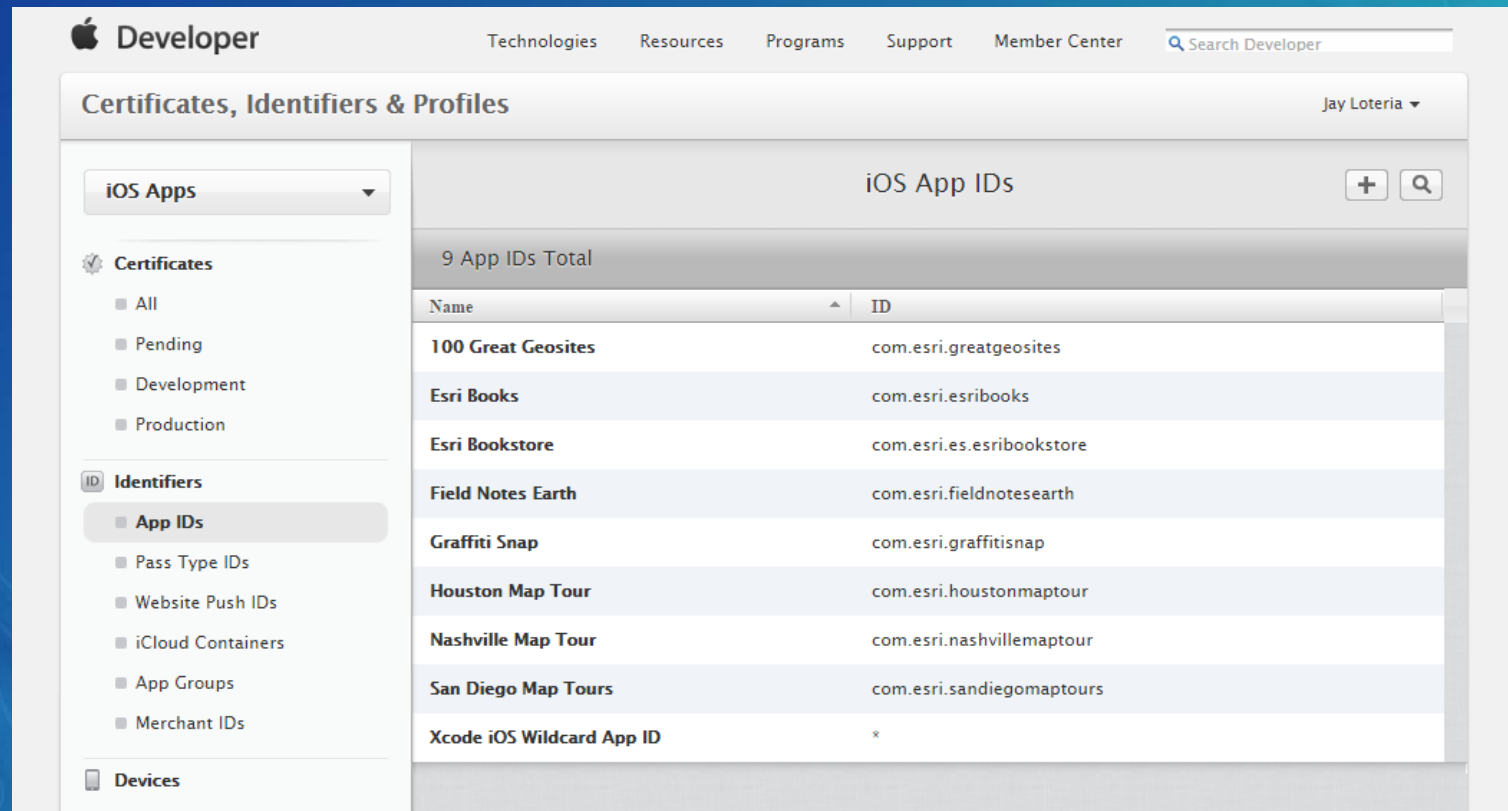
Publishing for Apple App Store



- Convert your certificate (.cer file) into a .P12
- Google “convert a developer certificate into a p12 file”
 - Mac – use the Keychain application to export
 - Windows – requires command line and openssl binaries

Publishing for Apple App Store

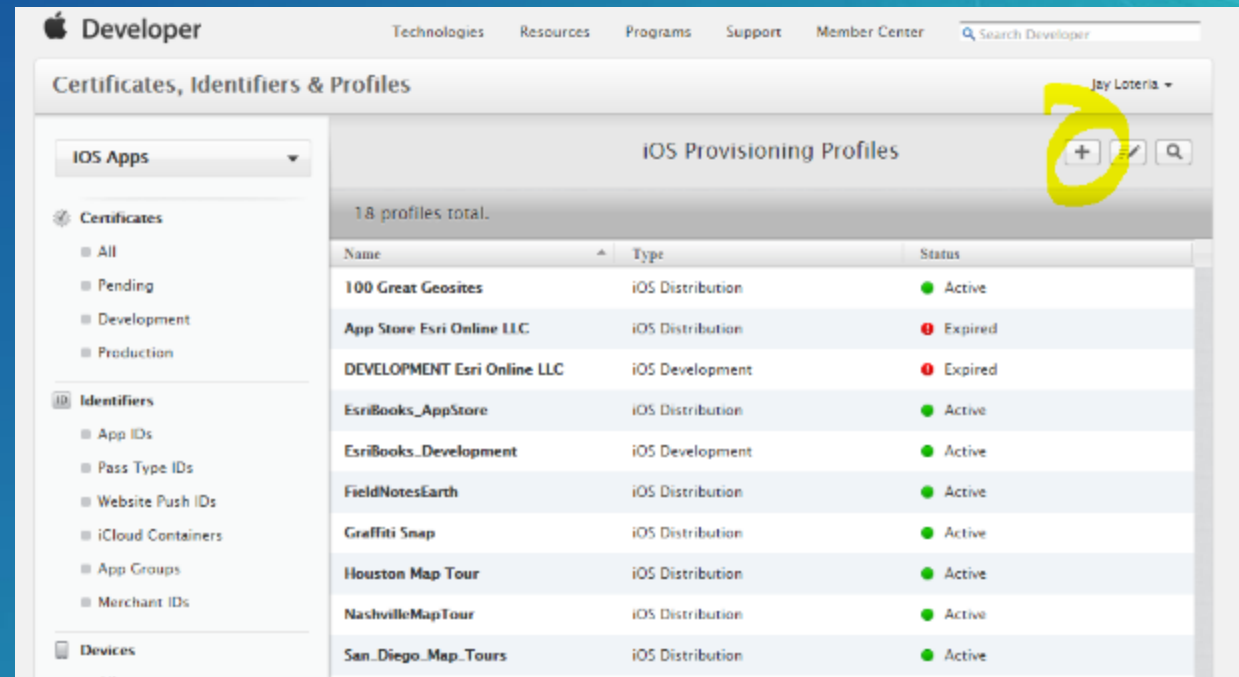
- Create an iOS App ID
 - Typically reverse URL



Publishing for Apple App Store

Create a provisioning file

- Select your app ID
- Select your certificate
- Download the provisioning file



Publishing for Apple App Store


- Provide your .p12 certificate, provisioning file, and password in AppStudio

Sign iOS App

Bundle ID: com.esri.SDMapTourUC

Provisioning Profile: Browse

Certificate File: Browse

Certificate Password: 

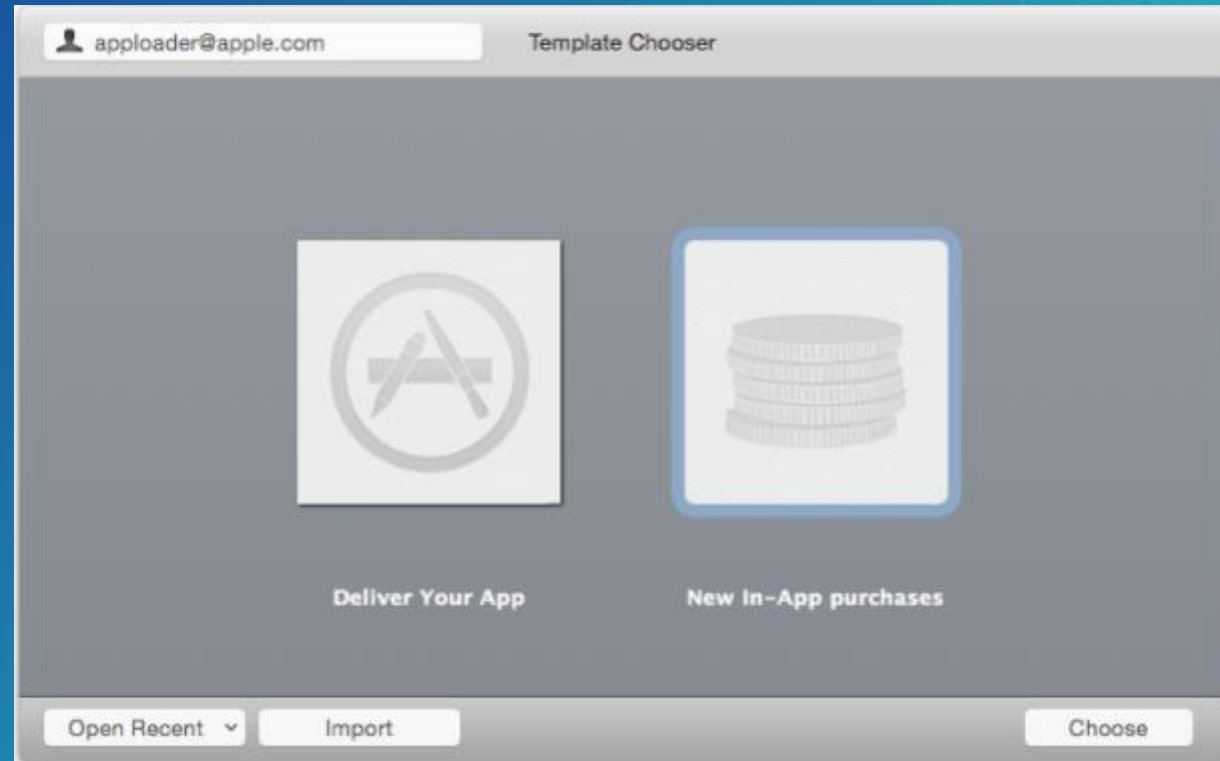
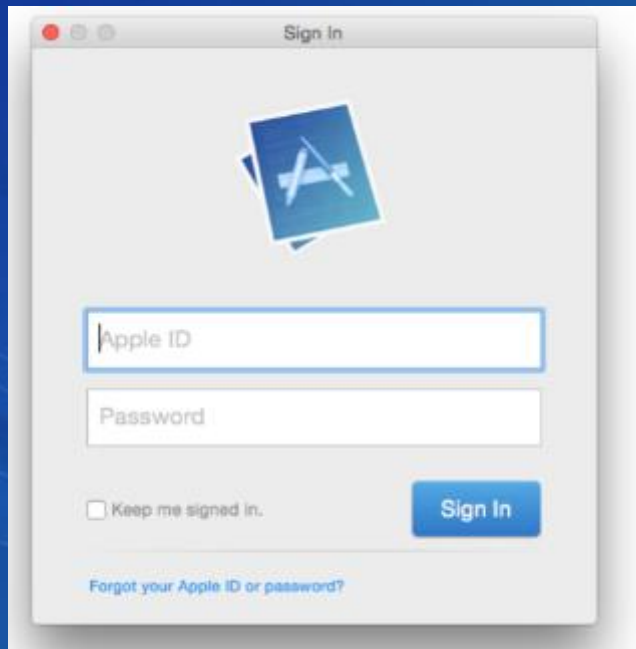


Now Build It!

Upload your iOS Binary

Subhead Here

- Note: This requires a Mac!
- Upload your signed iOS binary (ipa) using “Application Loader” (FREE)

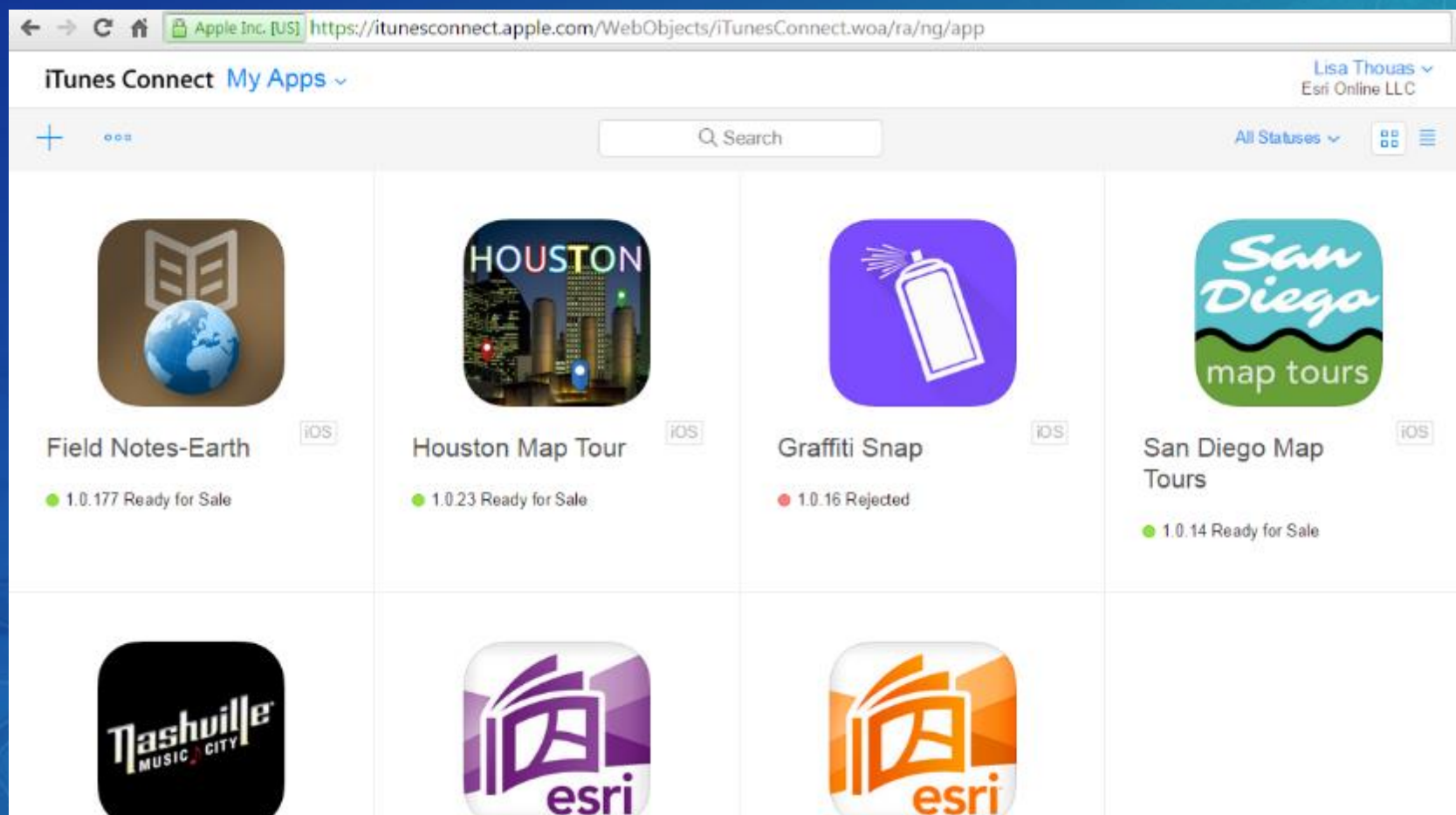


Create your iTunes listing

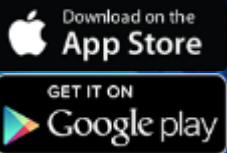
Download on the
App Store

GET IT ON
Google play

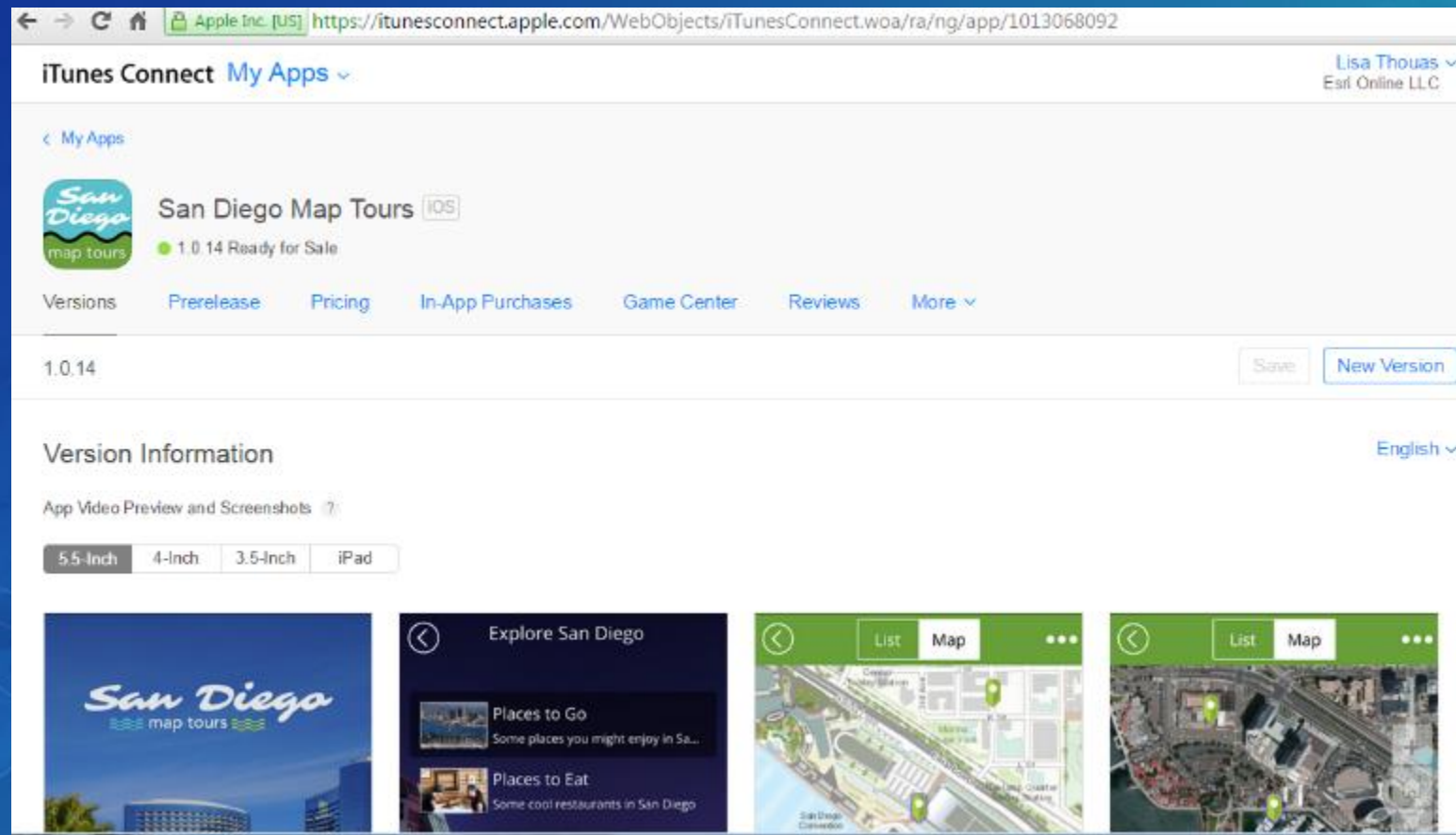
- <http://itunesconnect.apple.com>



Create your iTunes listing



- <https://itunesconnect.apple.com>



Tips to Apple App Publishing

- Create good screenshots for:
 - iPhone 6 Plus or 7 Plus
 - iPad Pro 12.9 (or other iPads)
- Beware that it will probably take 2 days for approval (maybe)
- Be prepared to get rejected

More resources....

- <http://video.arcgis.com>
- appstudio@esri.com
- <http://video.arcgis.com/watch/4740/publishing-apps-to-google-play>
- <http://video.arcgis.com/watch/4741/publishing-apps-to-apple-app-store>