



Publishing an App

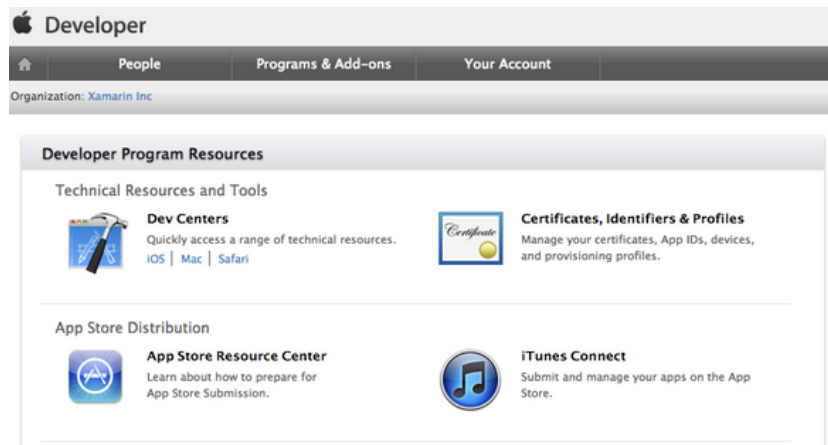
- Lecture will begin soon
- Please download the course materials from **<http://university.xamarin.com>**
- Please join the conversation as we wait for the course to begin

Xamarin University

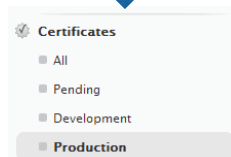
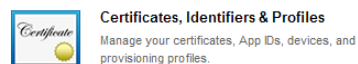
iOS Applications

Preparing for and Publishing iOS Apps

iOS – Access Developer Center



iOS – Manage Certificates



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

iOS – Create Certificate Request



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

iOS – Create Certificate Request

Certificate Information

Enter information for the certificate you are requesting. Click Continue to request a certificate from the CA.

User Email Address: cert@xamarin.com

Common Name: Xamarin

CA Email Address: cert@xamarin.com

Request is: ☐ Emailed to the CA

☒ Saved to disk

☐ Let me specify key pair information

iOS – Upload Certificate Request

Upload CSR file.

Select .certSigningRequest file saved on your Mac.

Choose File...





Xamarin.Publish.iOS.certSigningRequest

iOS – Download Certificate

Download, Install and Backup

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



Name: iOS Distribution: 
Type: iOS Distribution
Expires:  2015

Download

iOS – Setup App Information

App ID Description

Name:

You cannot use special characters such as @, &, *, ' , "

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 (*).

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:
- ☐ Data Protection
 - ☐ Complete Protection
 - ☐ Protected Unless Open
 - ☐ Protected Until First User Authentication
 - ☒ Game Center
 - ☒ iCloud
 - ☒ In-App Purchase
 - ☐ Inter-App Audio
 - ☐ Passbook
 - ☐ Push Notifications

iOS – Confirm App Information



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: **Xamarin Publish**
Identifier: **35V95A4C8S.com.xamarin.publish.ios**
Data Protection: ☐ Disabled
Game Center: ☒ **Enabled**
iCloud: ☐ Disabled
In-App Purchase: ☒ **Enabled**
Inter-App Audio: ☐ Disabled
Passbook: ☐ Disabled
Push Notifications: ☐ Disabled

iOS – Create Provisioning Profile

☒ App Store

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

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:

iOS – Create Provisioning Profile



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.

iOS – Create Provisioning Profile



Name this profile and generate.

The name you provide will be used to identify the profile in the portal. You cannot use special characters such as @, &, *, ', " for your profile name.

Profile Name:

Type: **Distribution**

App ID: **Xamarin Publish (35V95A4C8S.com.xamarin.publish.ios)**

Certificates: **1 Included**

Xamarin University

Lab 1

Preparing our iOS Application for Distribution

Module Objectives

- ❖ Set Release Information
- ❖ Setup Icons
- ❖ Setup App Resources
- ❖ Archive and submit to iTunes Connect



iTunes Connect

Submit and manage your apps on the App Store.

Lab Summary

- ❖ Set Release Information
- ❖ Setup Icons
- ❖ Setup App Resources
- ❖ Archive and submit to iTunes Connect



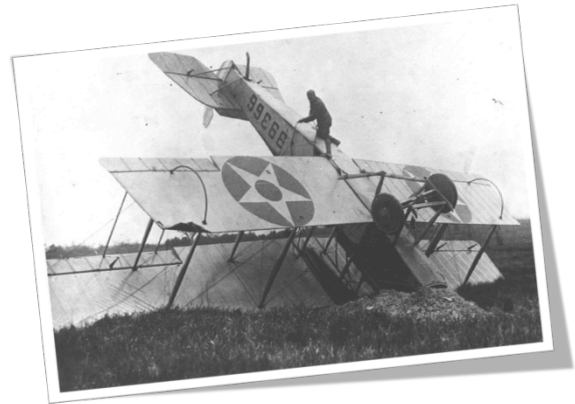
iTunes Connect

Submit and manage your apps on the App Store.

QUESTIONS?

iOS – Preflight Check

- ❖ Ensure that your App functionality matches your descriptions
- ❖ Ensure that the App does not crash under normal usage, for all devices
- ❖ <https://developer.apple.com/appstore/resources/submission/tips.html>



iOS – iTunes Connect



Manage Your Apps
Add, view, and manage your App Store apps.

Add New App

Default Language	English	?
App Name	Xamarin Publish	?
SKU Number	100010	?
Bundle ID	Xamarin Publish - com.xamarin.publish.ios	?

iOS – iTunes Connect

Title

Description

Graphic Assets

- 3.5-Inch Screenshots
- 4.0-Inch Screenshots
- iPad Screenshots
- High-Res Icon
- Feature Graphics
- Promo Graphics

Category Information

Contact Details

Login Details

Rating Information

Xamarin Publish

Select the availability date and price tier for your app.

Availability Date 07/Jul 20 2015 ?

Price Tier Free ?

[View Pricing Matrix](#)

Version Information

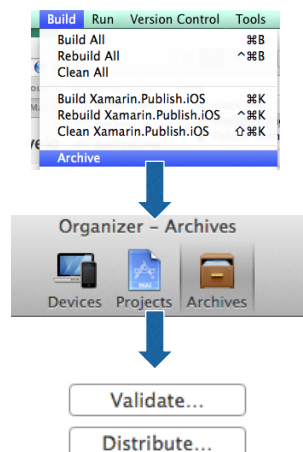
Version Number ?

Copyright ?

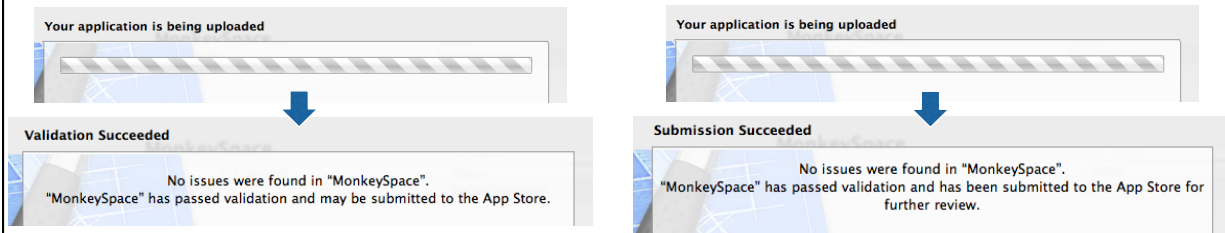
Category

Use the [App Store Category Definitions](#) to choose the most appropriate category for your apps.

iOS – iTunes Connect



iOS – iTunes Connect



Apple App Store Deployment

QUESTIONS?

Xamarin University

The screenshot shows the Apple Developer portal interface. At the top, there's a navigation bar with "Developer" and tabs for "People", "Programs & Add-ons", and "Your Account". Below this, the organization is listed as "Xamarin Inc.". The main content area is titled "Developer Program Resources" and is divided into two sections: "Technical Resources and Tools" and "App Store Distribution".

Technical Resources and Tools:

- Dev Centers:** Quickly access a range of technical resources. (Includes links for iOS, Mac, and Safari)
- Certificates, Identifiers & Profiles:** Manage your certificates, App IDs, devices, and provisioning profiles.

App Store Distribution:

- App Store Resource Center:** Learn about how to prepare for App Store Submission.
- iTunes Connect:** Submit and manage your apps on the App Store.

Android Applications

Preparing for and Publishing Android Apps

Lab 2

Preparing our Android Application for Distribution

Module Objectives

- ❖ Set Release Configuration
- ❖ Setup Icons
- ❖ Setup App Resources
- ❖ Generate a KeyStore
- ❖ Package our Application for Distribution



Google play | Developer Console

Lab Summary

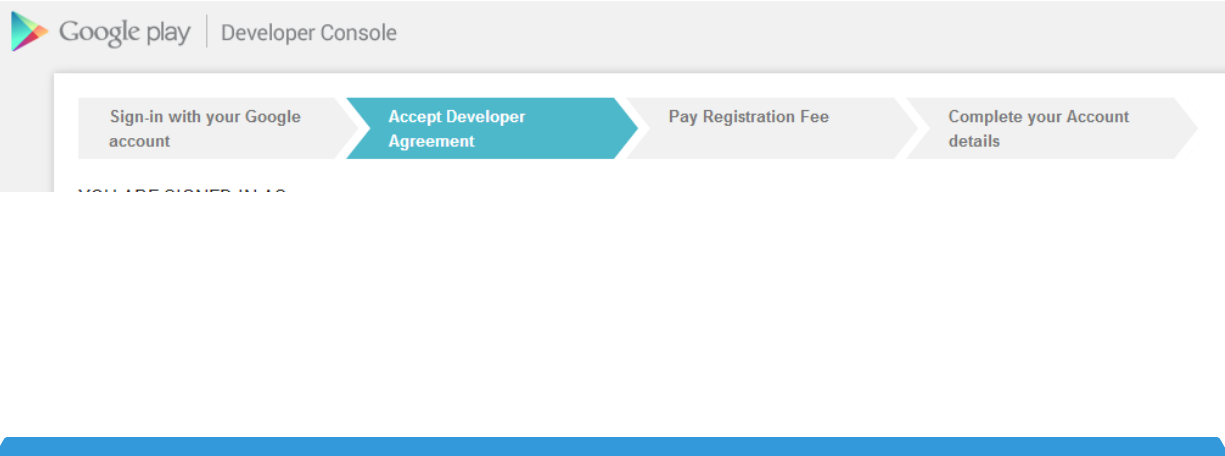
- ❖ Set Release Configuration
- ❖ Setup Icons
- ❖ Setup App Resources
- ❖ Generate a KeyStore
- ❖ Package our Application for Distribution



Google play | Developer Console

QUESTIONS?

Android – Google Play Setup



Android – Add New Application

ADD NEW APPLICATION

Default language *

English (United States) – en-US

Title *

Xamarin Publish

15 of 30 characters

What would you like to start with?

Upload APK

Prepare Store Listing

Cancel

Android – Provide App Info

Title

Description

Graphic Assets

- Phone Screenshots
- Tablet Screenshots
- High-Res Icon
- Feature Graphics
- Promo Graphics

Category Information

Contact Details

Rating Information

XAMARIN PUBLISH

STORE LISTING [Save](#)

PRODUCT DETAILS

English (United States) – en-US

[Add translations](#)

Title *

English (United States) – en-US

Xamarin Publish

15 of 30 characters

Description *

English (United States) – en-US

Information about our App

Android – Publish: Alpha → Production

XAMARIN EXAMPLE CHANGE TO 2.3 – xamarin.publish.droid

[Draft](#)

APK

[Switch to advanced mode](#)

PRODUCTION

Publish your app on
Google Play

BETA TESTING

Set up Beta testing for
your app

ALPHA TESTING

Version

2

ALPHA CONFIGURATION

[Upload new APK to Alpha](#)

CURRENT APK uploaded on 20 Feb 2014 10:45:55

Supported devices

4873

[See list](#)

Excluded devices

0


[Manage excluded devices](#)

Alpha testers

[Manage list of testers](#)

Xamarin University

Google Play Deployment



QUESTIONS?

Xamarin University

Additional Resources

http://docs.xamarin.com/guides/ios/deployment,_testing,_and_metrics/app_distribution_overview/

http://docs.xamarin.com/guides/android/deployment,_testing,_and_metrics/publishing_an_application/

Xamarin University

XAM220 – Publishing an App

Thank You



Please complete the class survey in your profile:
university.xamarin.com/profile