

App Publishing with iTunes Connect

Review and what's new

Max Müller

Director, iTunes Store, Content Engineering

Publishing Your App on iTunes Connect

What we'll cover

- Review general app setup highlighting what's new
- Introduce setup for new iOS 4 features
 - Game Center
 - iAd
- Review app management highlighting what's new
- Highlight common pitfalls along the way

Today's Agenda

Setting Up Your App

Game Center Introduction and Setup

iAd Introduction and Setup

Managing Your Apps

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Setting Up Your App

Game Center Introduction and Setup

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Managing Your Apps

App Setup Review of the basics

Accounts and Contracts

Metadata

In-App Purchases

Pricing

Assets

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Contracts

Registration

- iPhone Developer Program enrollment required
- Register distribution profile in iPhone Developer Provisioning Portal
- Open iTunes Connect: https://itunesconnect.apple.com

iTunes Connect



Sales/Trend Reports

Preview or download your daily and weekly reports here.



Contracts, Tax, & Banking Information

Request Contracts and manage your contact, banking and tax information.



Financial Reports

View and download your monthly financial reports.



Manage Users

Create and manage both iTunes Connect and In App Purchase Test User accounts.



Manage Your Applications

Add, view, and manage your applications in the iTunes Store.



Manage Your In App Purchases

Create and manage In App Purchases for paid applications.



Request Promotional Codes

Get codes that will give you free downloads of your applications.



Contact Us

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FAQs Review our answers to common inquiries.

Contracts

- Banking, contact, and tax information required
 - Offering a paid app
 - Using In-App purchases
 - Implementing iAd
- Choose company or individual wisely
 - May be hard to change later
- Complete contracts right away
 - Process can be time consuming

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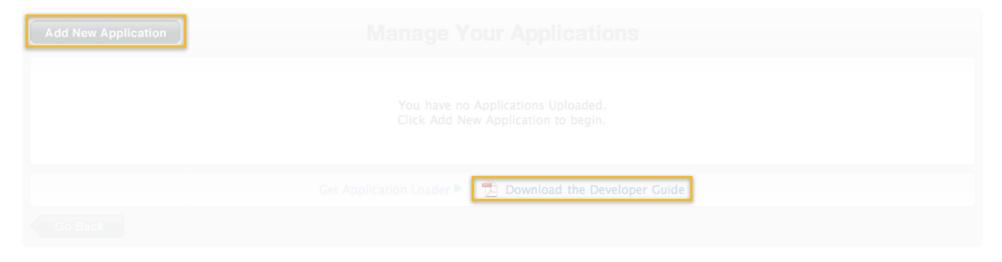
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iTunes Connect



Top-level data

- Enter your company name
- Choose primary App Store language
- Company name and default language cannot be changed

Metadata Export compliance

- Answer questions regarding encryption in your app
- Using iPhone OS security frameworks only?
 - CCATS is not required
 - HTTPS is part of iPhone OS frameworks



U.S. Department of Commerce Commercial Encryption Export Controls http://www.bis.doc.gov/ecnryption/guidance.html

- Application name
 - No trademarked names unless you own them
 - Refrain from putting "beta" or "trial" in the application name
 - Must match the binary name
 - Intend to submit a binary with a reserved name

- Application name
- Application description
 - At least one sentence
 - No profanity
 - Applicable to all versions
 - Must match the functionality in the application

- Application name
- Application description
- Primary category
- Copyright
- Version number
 - Can't be modified until next update
 - Keep in sync with CFBundleShortVersion

- Application name
- Application description
- Primary category
- Copyright
- Version number
- SKU
- Keywords
 - Should be relevant to your app
 - No trademarks unless you own them

Metadata Optional fields

- Secondary category
- Application URL
- Demo notes
 - Instructions needed to launch app only
 - No general questions or miscellaneous notes

Metadata Optional fields

- Secondary category
- Application URL
- Demo notes
- Custom EULA

App advisories

Overview	Ratings	Game Center	Upload	Locali	zation	Pricing	Summary
	each content descrip cation. Application Rat		vel of frequency	that best d	lescribes y	our	
graphi	ations must not contain any cs, images, photographs, e onable.						
Appl	e Content Description	ons	None Infre	equent/Mild	Frequent	/Intense	O +
Carto	Cartoon or Fantasy Violence			•	0		9
Reali	Realistic Violence			0	0		App Rating
Sexu	Sexual Content or Nudity				0	L	App nating
Profa	Profanity or Crude Humor			0	0		
Alcoh	ol, Tobacco, or Drug	Use or References	•	0			
Matu	re/Suggestive Theme:	S	•	0	0		
Simu	Simulated Gambling			0	0		
Horro	Horror/Fear Themes			0			
Prolo	Prolonged Graphic or Sadistic Realistic Violence			0	0		
Grap	nic Sexual Content an	d Nudity	•	0	0		

Metadata App advisories



Settings > General > Restrictions > Apps

App Setup Review of the basics

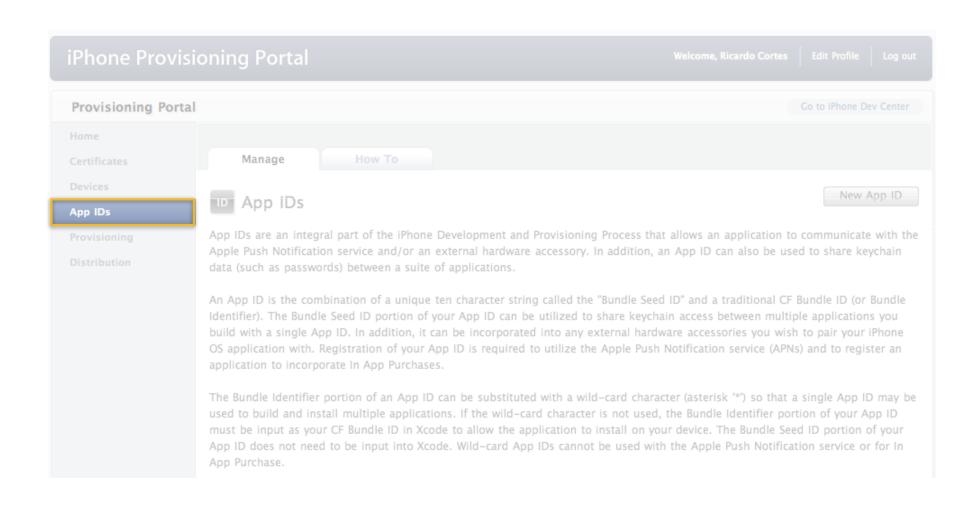
Accounts Contracts

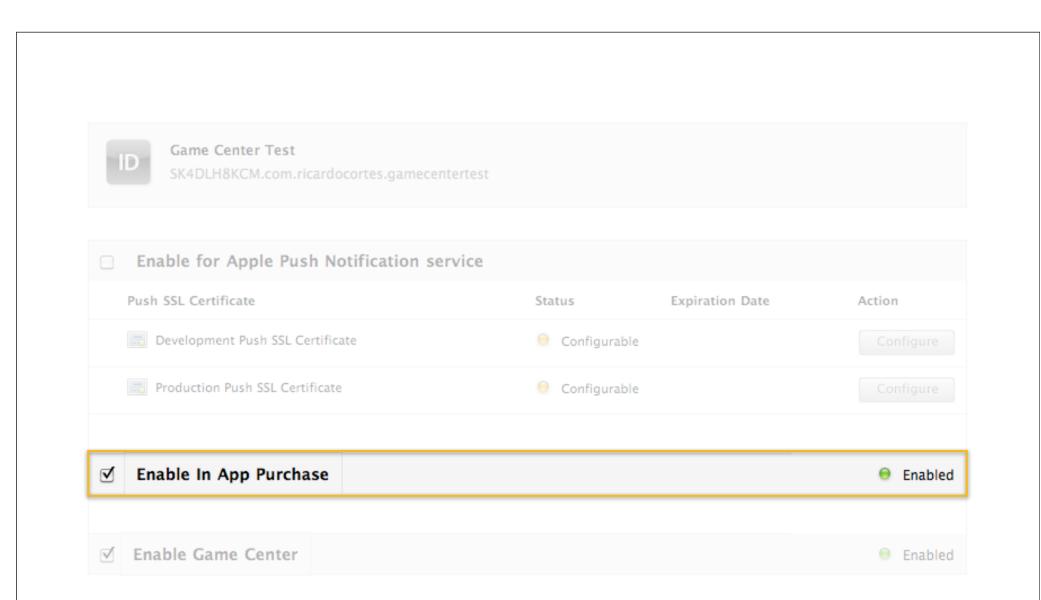
Metadata

In-App Purchases

Pricing

Assets





- Bundle identifier
 - Auto-populated from iPhone Provisioning Portal

- Bundle identifier
- Reference name
- Product identifier
- Type
 - Consumable, non-consumable, or subscription
 - Subscription items must be available across a user's devices

- Bundle identifier
- Reference name
- Product identifier
- Type
- Display name
- Description
- Screenshot

Best practices

- Test your In-App purchases in sandbox
 - Create sandbox test users in iTunes Connect
 - Each storefront must use a different test account
 - Use StoreKit API's to determine what to offer
- Submission with binary is less error prone
 - Ensures binary is complete with support for In-App purchases
 - Faster turnaround time

App Setup Review of the basics

Accounts Contracts

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In-App Purchases

Pricing

Assets

Pricing Required fields

- Availability date
- Price tier
- Clearance in 90 territories



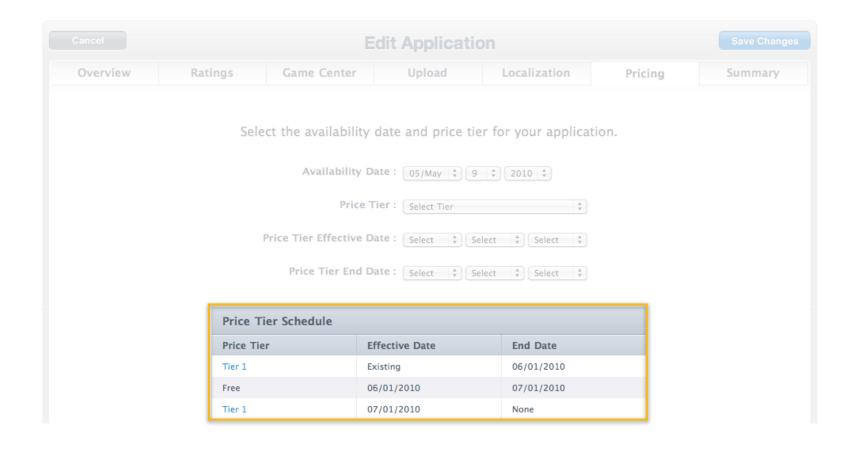
Pricing Example price tier 10

	Customer Price	Your Proceeds		
US	US\$9.99	US\$7.00		
Mexico	Mex\$100			
Canada	Can\$9.99	Can\$7.00		
UK	£5.99	£3.65		
Euro Zone	€7.99			
Norway	NKr55			
Sweden	SKr75	€4.86		
Denmark	DKr59			
Switzerland	SwF11			
Australia	\$A12.99			
New Zealand	\$NZ13.99	\$A8.27		
Japan	¥1200	¥840		

Pricing

Date-based pricing

- Available for apps and In-App purchases
- Price tier may be set for specific time periods
- Allows for setting up sales in advance
- Applicable fields include
 - Price tier
 - Price tier effective date
 - Price tier end date



Pricing

Best practices

- Pricing is global across all versions
- In-App purchase availability logic
 - Tied to app availability
 - Removed from sale if app is removed from sale

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Assets App Binary Icon

- 57x57 for iPhone/iPod touch apps
 - 114x114 high DPI for iPhone 4
- 72x72 for iPad-only apps
- Must provide both 57x57 and 72x72 for universal apps
- Rounded corners and shine automatically added
- App Store will honorUIPrerenderedIcon key
- Avoid adding "Free" or pricing information



Assets

Device capabilities

- UIRequiredDeviceCapabilities key
- Prevents purchase on or sync to devices without required capabilities

Example Capabilities

Telephony	Microphone
SMS	Location-services
Still-camera	GPS
Video-camera	Opengles-1
Auto-focus-camera	Opengles-2
Wifi	Gyroscope
Accelerometer	Front-facing-camera
Magnetometer	Camera-flash

Assets

512 x 512 store icon

- 72 points per inch
- RGB only
 - No layers
 - No transparency
- PNG, JPEG or TIFF format
- Image should match 57x57 or 72x72 app binary icon

Assets

Screenshots

- iPhone/iPod touch
 - Up to five screenshots
 - 320x480 or 640x960 for high DPI
- iPad-only and universal apps have five additional screenshots
- Ensure screenshots are age appropriate
 - 4+ app implies 4+ rated screenshots
- Remove the status bar



Assets Pre-upload checks

- Cell bandwidth
- iPod touch functionality
- Test thoroughly
- Binary icon mismatch

Assets Binary upload

- Submit via iTunes Connect
- Submit via ApplicationLoader
 - Optimized for UDP delivery
 - Faster than iTunes Connect
 - Recommended for all binaries
- Now accepting iOS 4 binaries!



Demo

Jason Fosback

Engineering Manager, iTunes Store, Content Delivery

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Game Center and iAd

Ricardo Cortes

Engineering Manager, iTunes Store, Provider Services

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Game Center Introduction

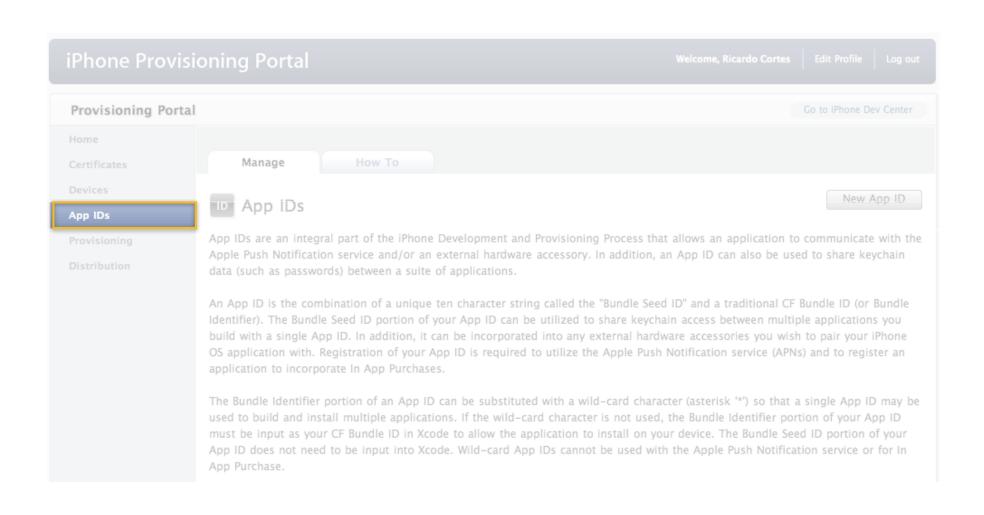
- New for iOS 4
- Provides social game network features
 - Invitations
 - Matchmaking
 - Leaderboards
 - Achievements

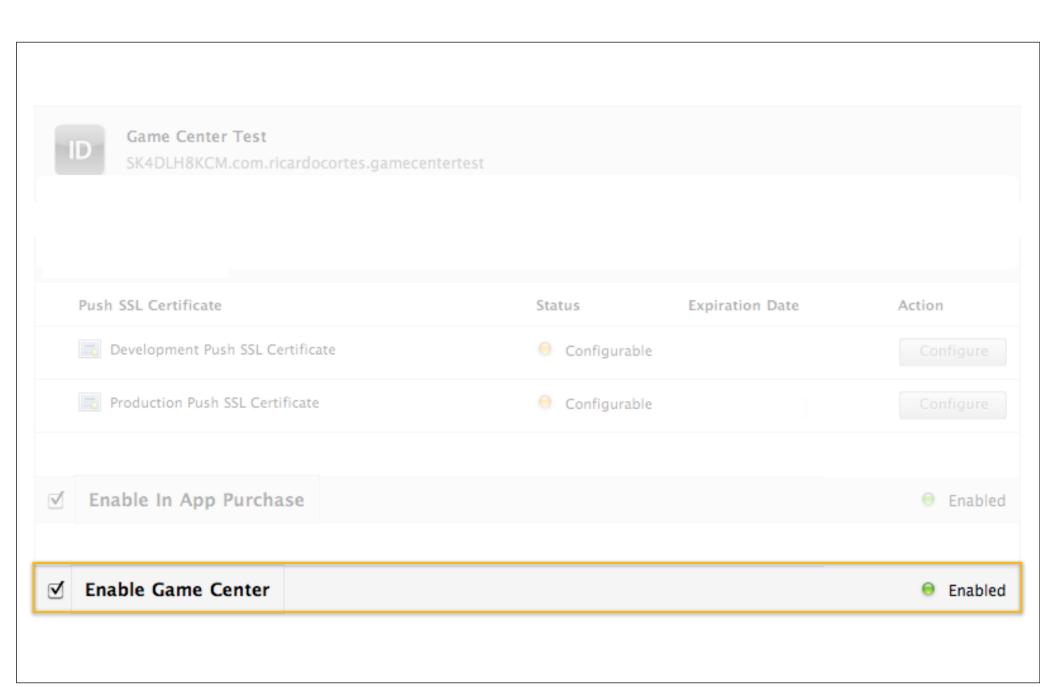
Registration

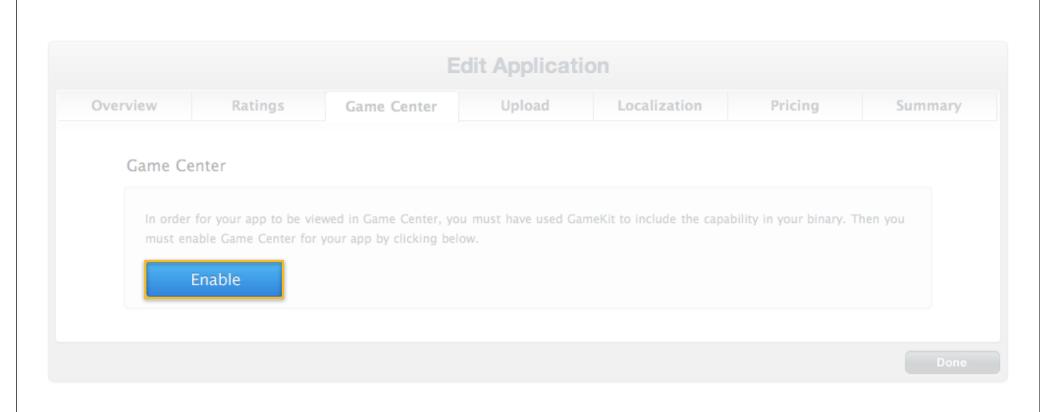
Metadata

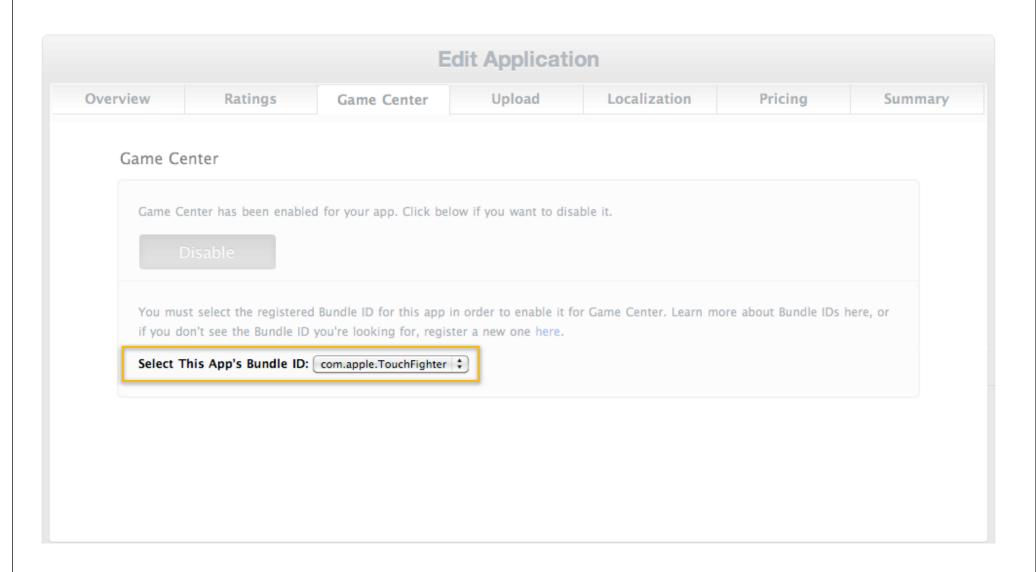
Registration

Metadata









Registration

Metadata

Metadata

Leaderboard properties

- Leaderboard Identifier
 - Reverse domain notation recommended

com.mycompany.mygame.myLeaderboard

Metadata Leaderboard properties

- Leaderboard Identifier
- Language
- Sort order
 - Ascending or descending

Metadata

Leaderboard properties

- Leaderboard Identifier
- Language
- Sort order
- Score format
 - Integer: 250
 - Float: 250.12
 - Money: \$250.12
 - 17 additional options

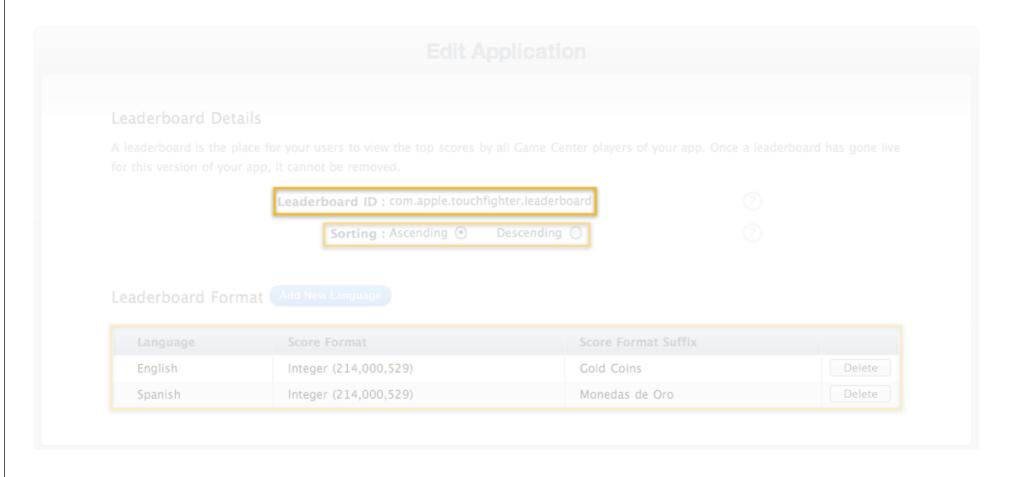
Metadata

Leaderboard properties

- Leaderboard Identifier
- Language
- Sort order
- Score format
- Score format suffix—optional
 - "Gold Coins"
 - "Monedas de Oro"



iTunes Connect



Metadata

Achievement properties

- Achievement Identifier
- Language
- Pre-earned description
- Post-earned description
- Points
- Artwork (512x512 PNG, TIFF or JPEG)



Metadata

Compatibility properties

- Allows different versions to be compatible within the same app
- Controls which customers can invite each other within Game Center
 - Leveraged in matchmaking and invitations

Registration

Metadata

Sandbox

Game Center test environment

- iOS 4 required
- Development builds use sandbox
- App Store deployed apps use production
- Test to ensure localizations
 - Scores should reflect current locale
 - Score formatter suffixes should reflect current locale
- On-device testing is required

Registration

Metadata

Game Center Feature availability

- Available today
 - Leaderboard support
 - Sandbox testing
- Later this year
 - Achievements
 - Compatibility
 - Multiple leaderboards
 - Binary submission

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iAd Platform

Introduction

- New for iOS 4
- Mobile advertising platform
- Support for rich media ads
- Easy to implement with the iAd framework
- Join the iAd Network to run ads and receive revenue

iAd Network iTunes Connect setup and configuration

Contracts

Enable

Monitor

iAd Network iTunes Connect setup and configuration

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Contracts

iAd Network Contract

- iAd specific agreement support
- Co-terminus with Program License Agreement and paid contract
- Signing is required for non-test ads

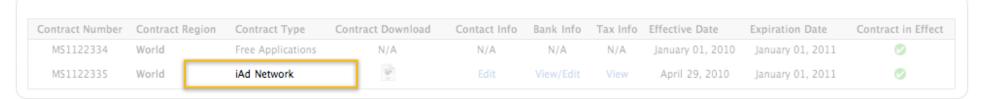
iTunes Connect Manage Your Contracts

Request New Contracts

If you wish to make your applications available for sale on iTunes, you must agree to the Paid Applications agreement, presented below. Note: You can distribute your free applications without this agreement. Only individuals with the Legal role can request contracts.

Request Contract	Contract Region	Contract Type	Legal Entity Name - Legal Entity Address
	All (See Contract)	Paid Applications	Cyberinteractive, Inc. Infinite Loop Cupertino 95014-2083 California US
			Cancel Submit

Your Contracts In Effect

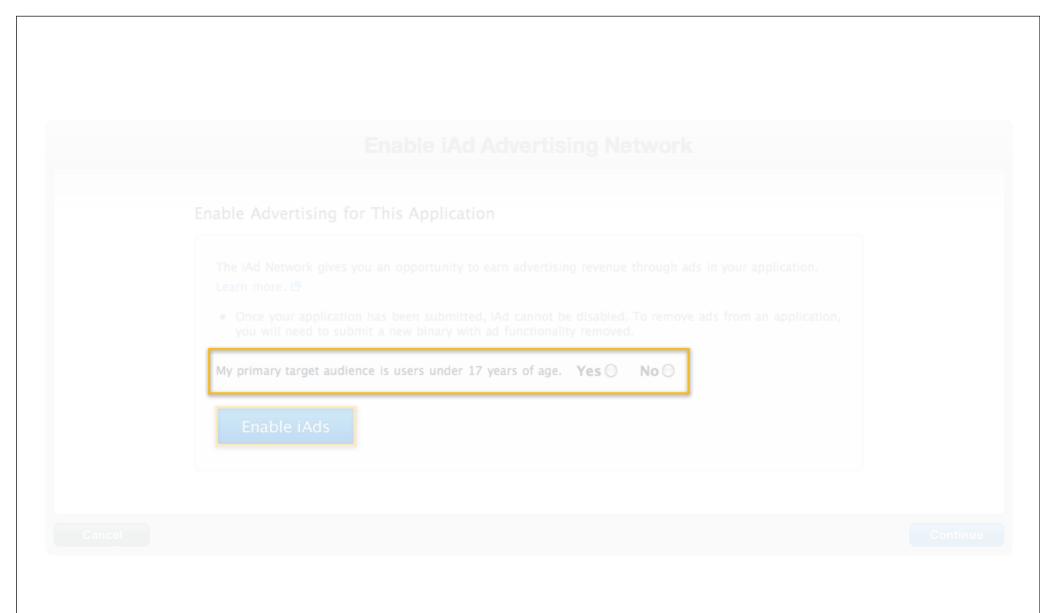


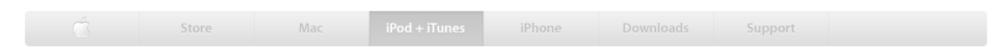
iAd Network iTunes Connect setup and configuration

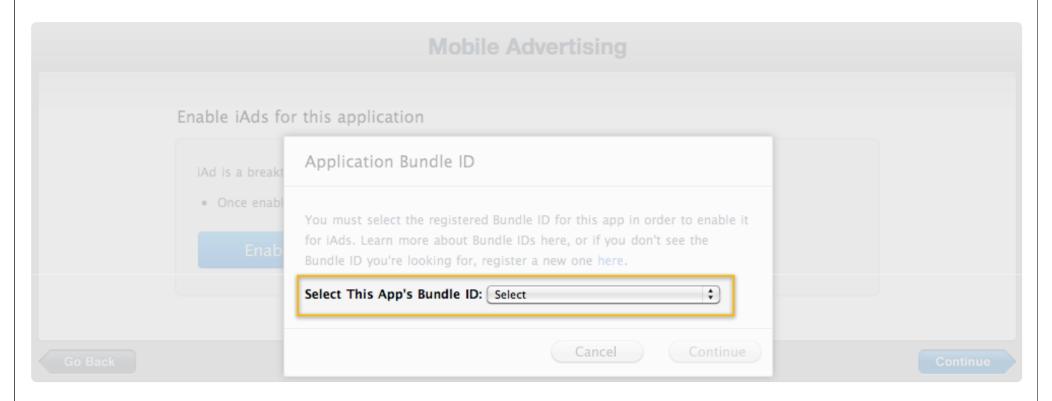
Contracts

Enable

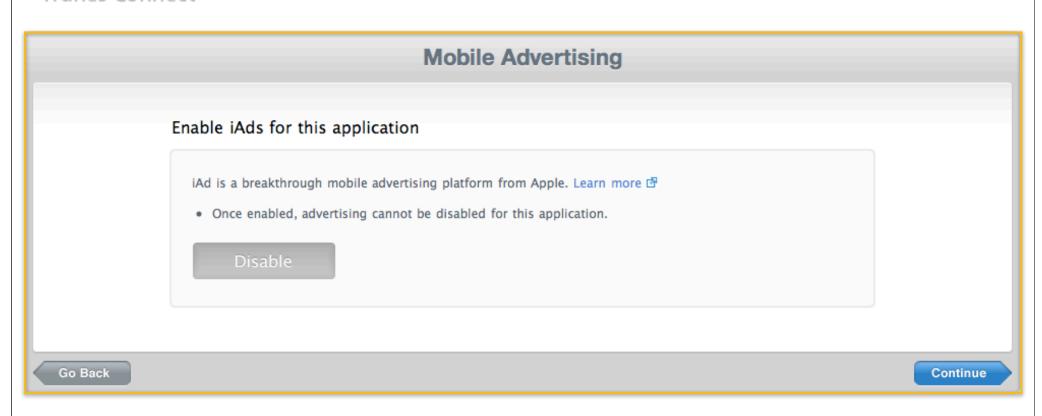
Monitor











iAd Network iTunes Connect setup and configuration

Contracts

Enable

Monitor

Monitor Steps

- Click Manage iAd Network module in iTunes Connect
- View revenue, ad impressions, click-thru rates, etc.
- Specify exclusions





Sales and Trends

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Payments and Reports

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iTunes Connect iAd Network

Sign Out

My Apps

Messages

Help

My Apps

Summary



From this page you can check ad revenue, key metrics, and ad performance by app or country. Ad revenue is determined by volume of ad requests (impressions), the perce ... More

Revenue Last 7 Days

Revenue Today

eCPM Average Last 7 Days

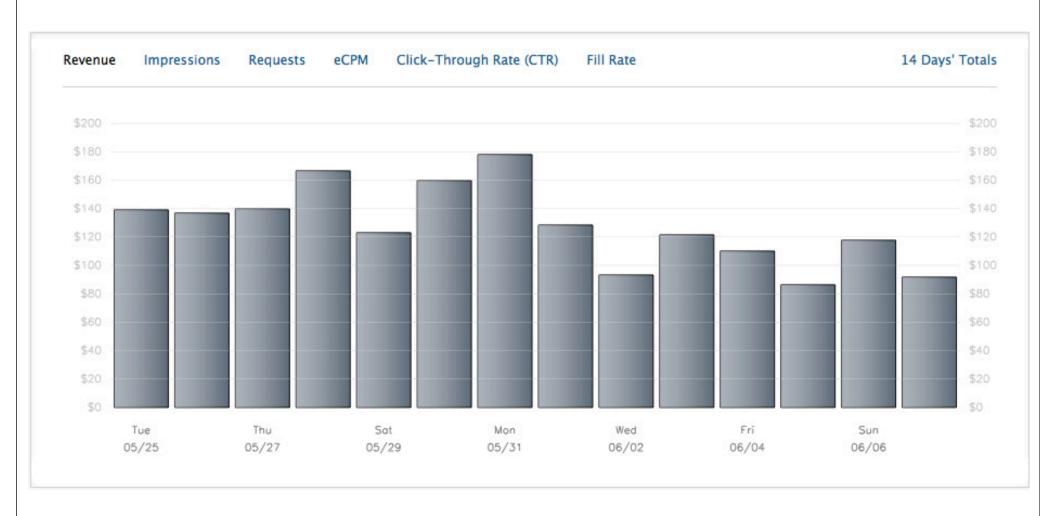
eCPM Average Today

\$121.50

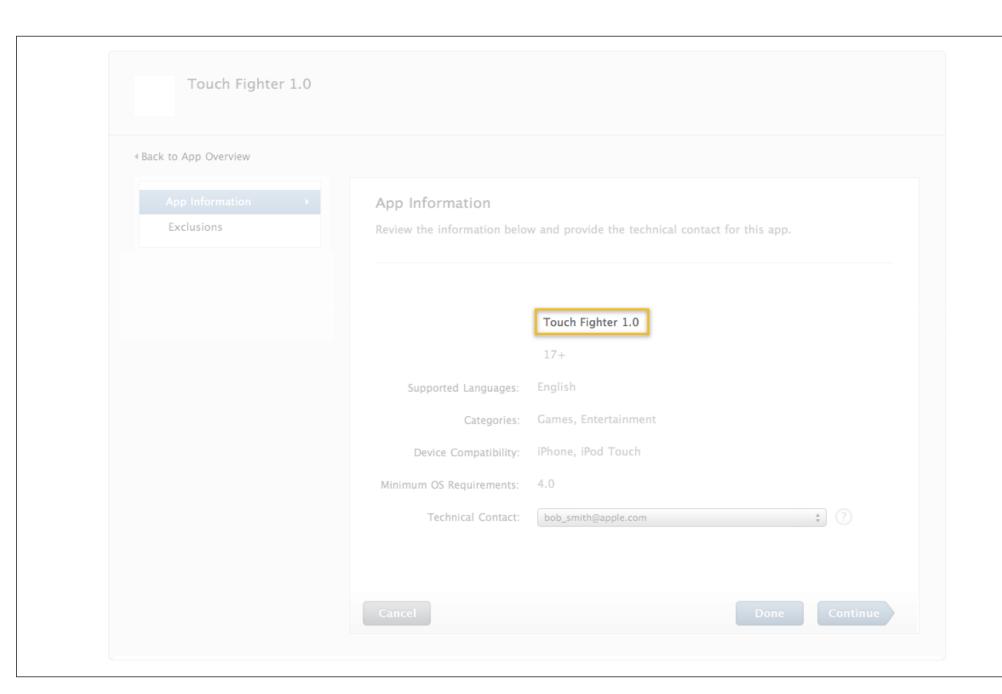
\$14.30

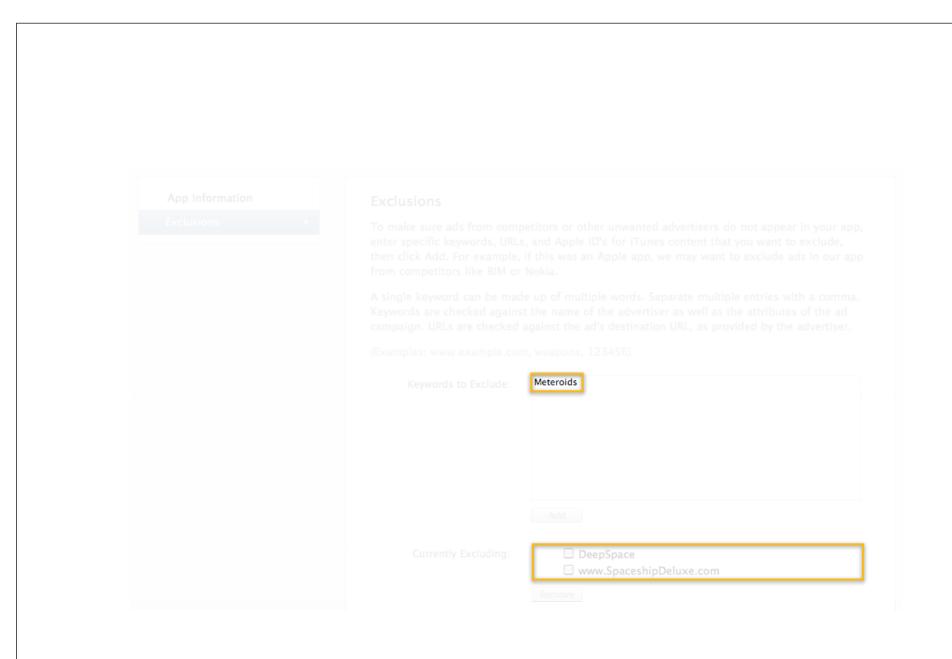
\$59.10

\$7.92









Demo

Aloke Bhatnagar

Engineering Manager, iTunes Store, iTunes Connect

iAd Network iTunes Connect setup and configuration

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Daily Reports

Promo Codes

Crash Reports

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Financial Reports - Download Your Financial Reports

Your monthly Financial Reports are listed below.

182 iTunes Financial Reports	Show 10	Show 10 items/page (max 200) Page 1 of 19	
Date ₹	Region ≣	Download	
Mar 2009	Australia	11111111_2222_AU.txt	
Mar 2009	United Kingdom	11111111_2222_GB.txt	
Mar 2009	Switzerland	11111111_2222_CH.txt	
Mar 2009	United States	11111111_2222_US.txt	
Mar 2009	Rest of World	11111111_2222_WW.txt	
Mar 2009	New Zealand	11111111_2222_NZ.txt	
Mar 2009	Japan	11111111_2222_JP.txt	
Mar 2009	Europe	11111111_2222_EU.txt	
Feb 2009	Rest of World	33333333_4444_WW.txt	
Feb 2009	Switzerland	3333333_4444_CH.txt	

Managing Your Apps Once your app is live

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Reporting > Transaction Reports

	User Guide			
Report Options				
Report Type:	Summary			
Report Period:	Daily			
Day:	05/27/2009 🕏			
? If you have feedback or questions please let us know.				

Managing Your Apps Once your app is live

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Promo Codes

- Royalty free download of a paid app
- For non-commercial distribution
- Up to 50 codes per version
- Code expires in four weeks
- iTunes Connect user must have legal role
- Available to users with US iTunes accounts



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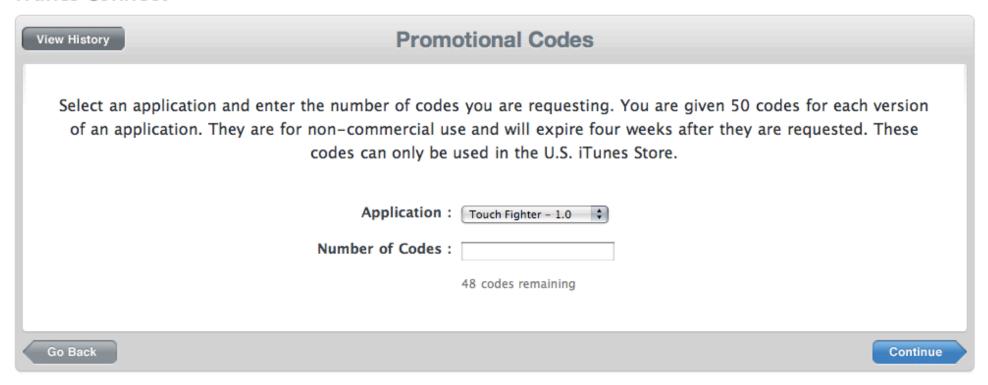
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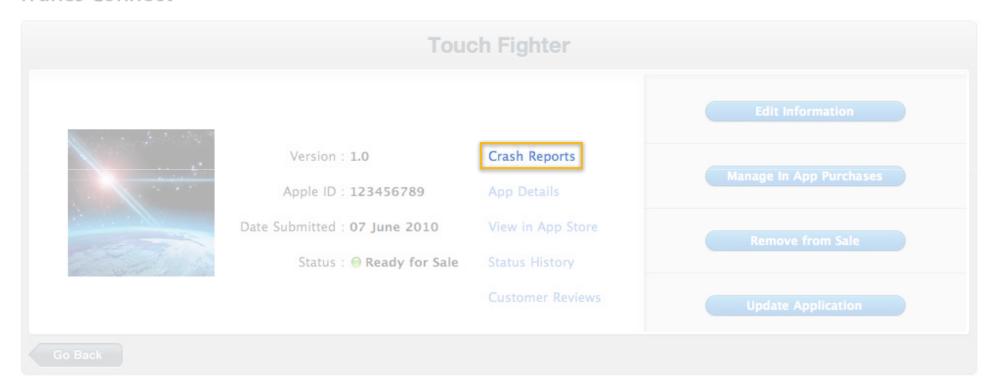
Daily Reports

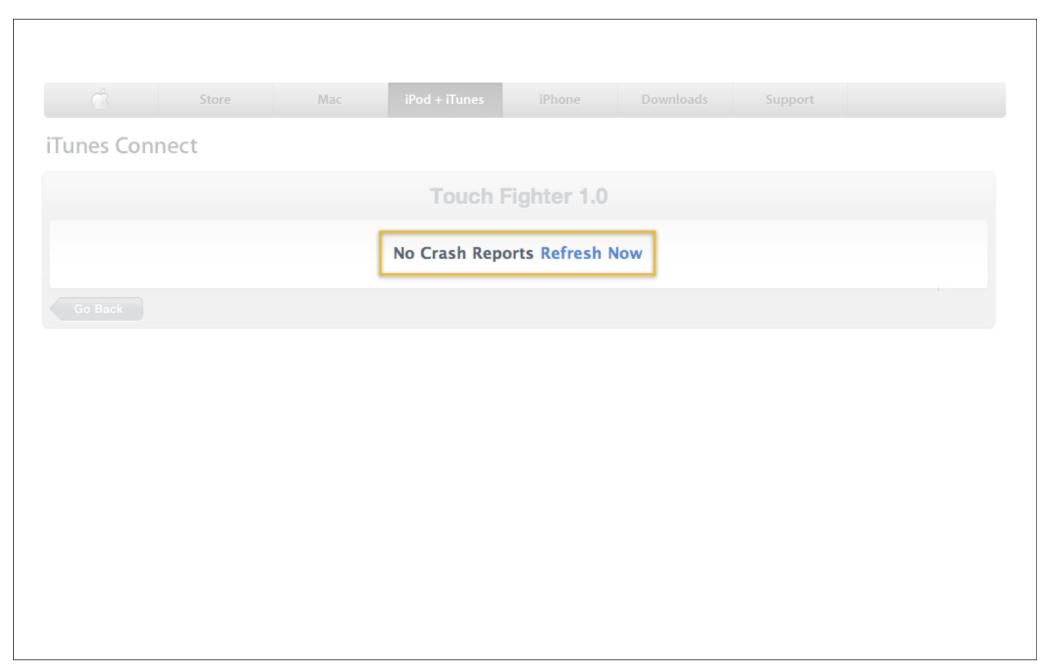
Promo Codes

Crash Reports

Customer Reviews







Touch Fighter 1.0 Crash Reports as of June 07, 2010

Your Crash Logs are older than 1 day. Refresh Now

iPhone OS 3.2

iPhone OS 3.1.3

iPhone OS 3.1.2

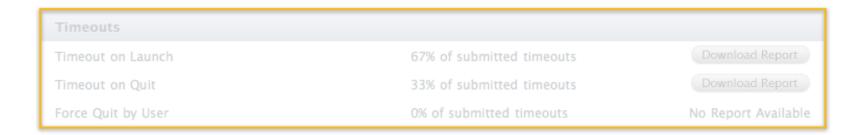
iPhone OS 3.1

iPhone OS 3.0

Crashes and Freezes

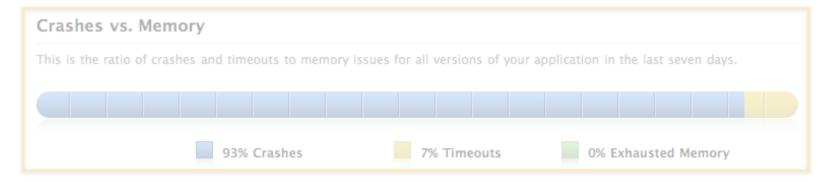
These are the most frequent crashes for the current version of your application since it became available in the App Store.

Most Frequent Crashes						
1.	TouchFighter: 0x419d6	31% of submitted crashes	Download Report			
2.	TouchFighter: 0x41880	28% of submitted crashes	Download Report			
3.	TouchFighter: 0x2bef8	5% of submitted crashes	Download Report			
4.	CFNetwork: URLCredentialStorage::_SetCredentialForProtec + 80	5% of submitted crashes	Download Report			
5.	Foundation:NSFireDelayedPerform + 314	4% of submitted crashes	Download Report			
6.	TouchFighter: 0x1e5f2	3% of submitted crashes	Download Report			
7.	Foundation: – [NSObject(NSKeyValueObserverRegistration) _removeObserver:forProperty:] + 340	3% of submitted crashes	Download Report			
8.	GraphicsServices: GSEventRunModal + 108	2% of submitted crashes	Download Report			
9.	MediaPlayer: -[MPVideoViewController _exitPlayerForPlaybackError] + 38	1% of submitted crashes	Download Report			
10.	OfficeImport: XIParserVisitor::getHeader + 24	1% of submitted crashes	Download Report			



Memory

These are the memory issues for all versions of your application in the last seven days.



For more information about crash reports, see Technical Note TN2151.

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Finance Reports

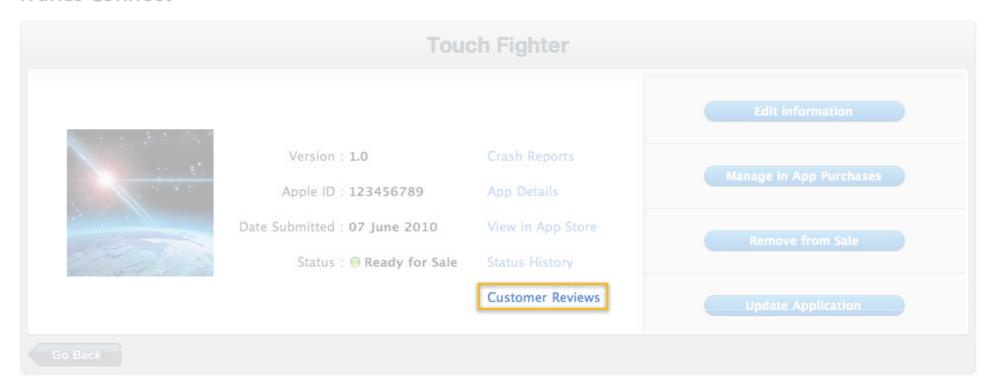
Daily Reports

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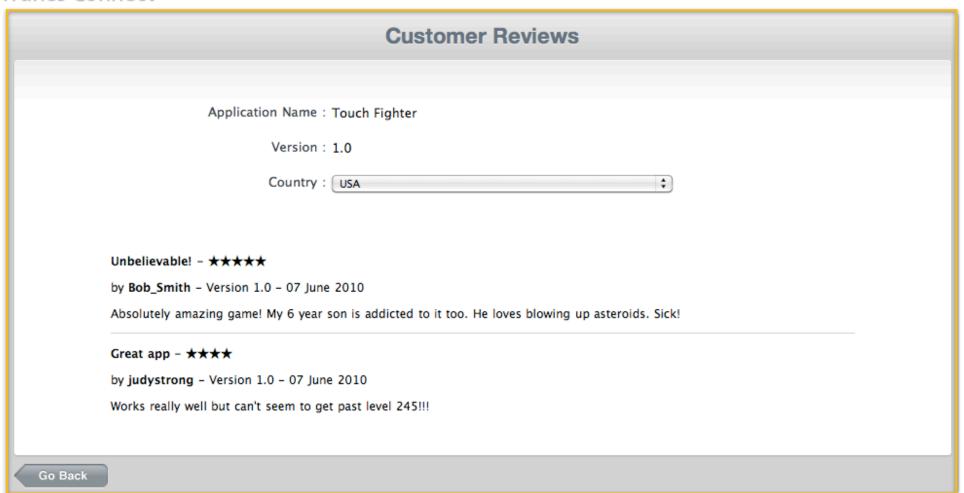
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iTunes Connect



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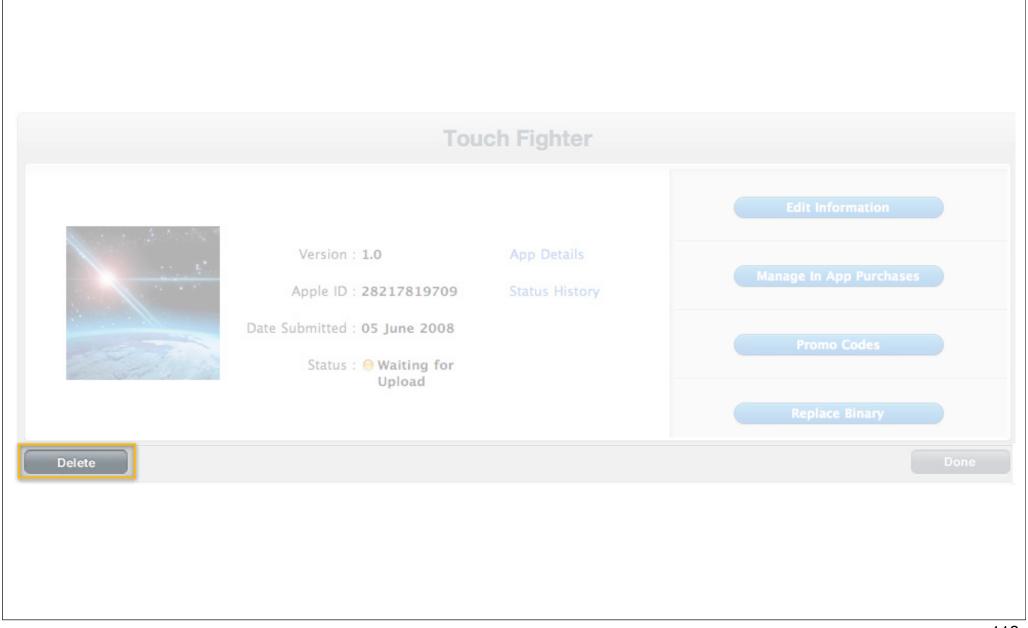
Daily Reports

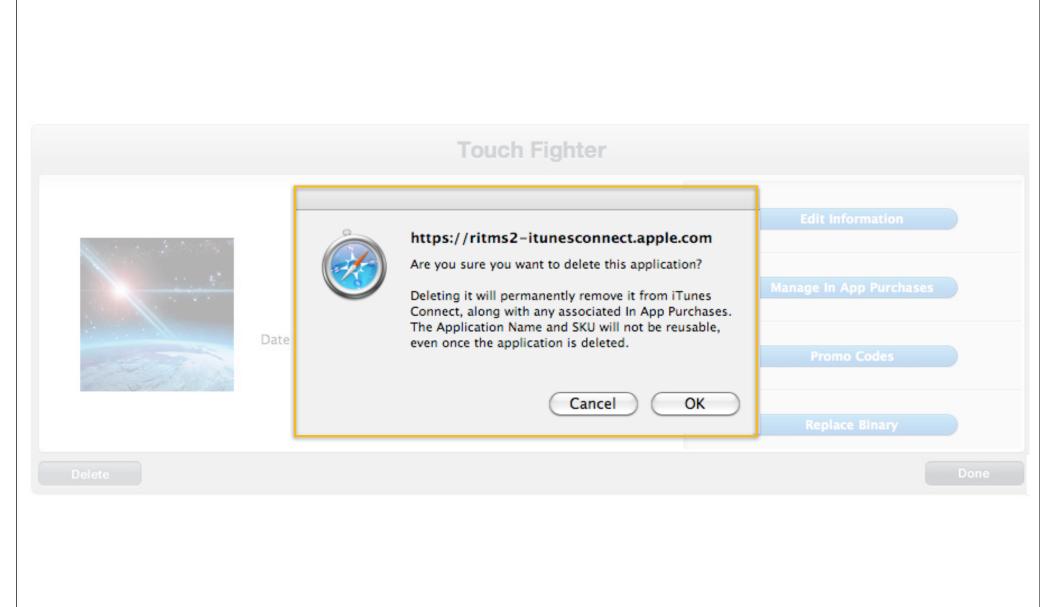
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App Delete





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iTunes Connect Mobile



iTunes Connect Mobile

Track your apps...on the go

- Highly requested by the developer community
- Daily and weekly sales data
- Charts and graphs
- Available now!

Demo

Ricardo Cortes

Engineering Manager, iTunes Store, Provider Services

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More Information

Mark Malone

Integration Technologies Evangelist mgm@apple.com

Documentation

iTunes Connect Developer Guide https://itunesconnect.apple.com

Paid Applications Contract https://itunesconnect.apple.com

U.S. Department of Commerce (Commercial Encryption Export Controls) https://www.bis.doc.gov/encryption/guidance.htm

Apple Developer Forums

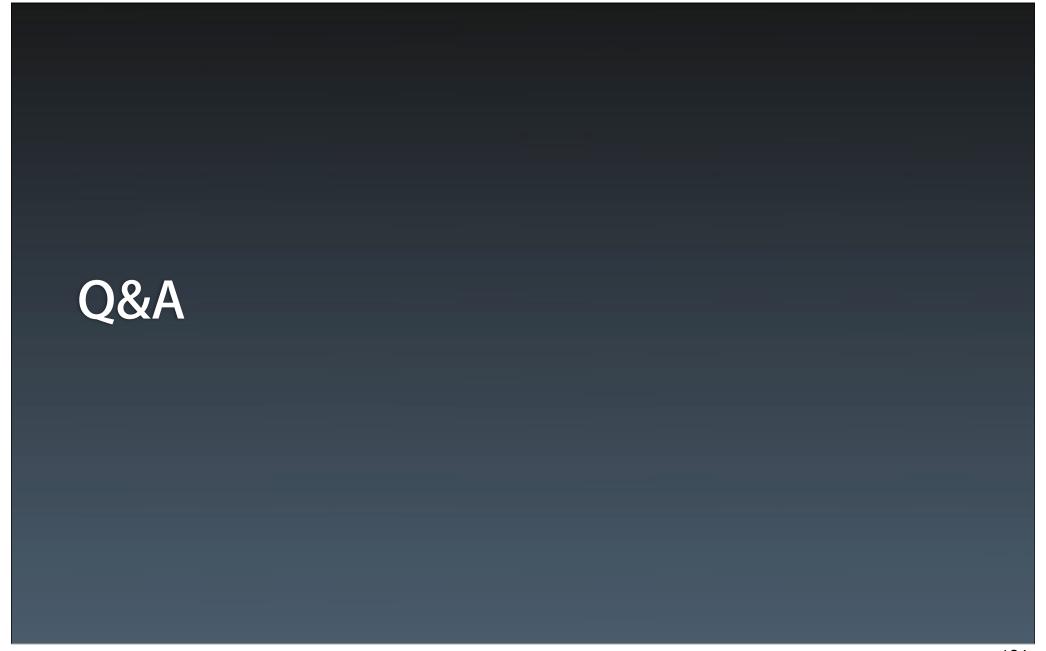
http://devforums.apple.com

Related Sessions

Integrating Ads with iAd (Repeat)	Pacific Heights Friday 9:00AM
Introduction to Game Center (Repeat)	Presidio Friday 11:30AM

Labs

App Publishing with iTunes Connect	Applications Frameworks B Thursday 11:30AM
iPhone App Developer Services	Room 3018, Third Floor T, W, Th, half-day Friday



É WWDC10