

Android Dev Kotlin

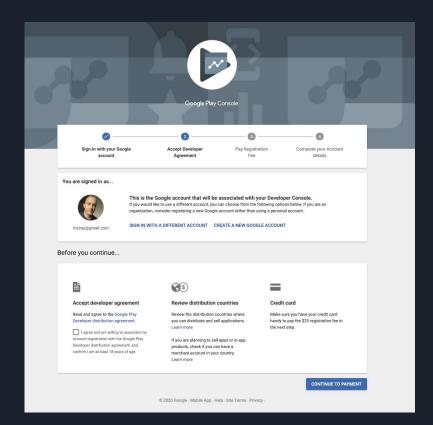


Submitting Apps to the Play Store

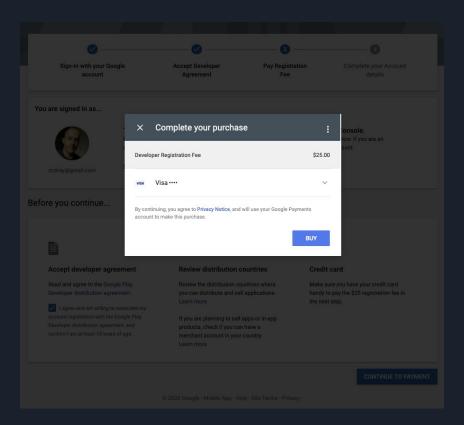
Basic Steps for Release TLDR:

- 1. Set the company/individual information
- 2. Setup the app information
- 3. Setup merchant account
- 4. Upload App Bundle to a channel
- 5. Promote the app up the channels and release

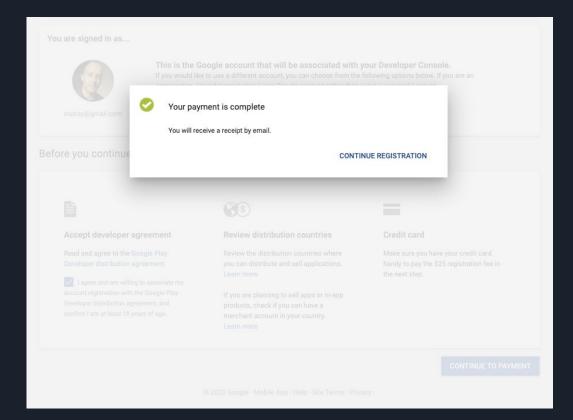
Signing Up



Pay \$25, once. forever.



Pay first





Google Play Console









Sign-in with your Google account

Accept Developer Agreement Pay Registration Fee Complete your Account details

You are almost done...

Just complete the following details. You can change this information later in your account settings if you need to.

Developer Profile	Fields marked with * need to be filled before saving	
Developer name *	Electronic Armory	
	17/50	
	The developer name is displayed to users under your application name. Changes to the developer name will be reviewed by Google and can take up to 7 days.	
Email address *	mike@electronicarmory.com	
Website	ElectronicArmory.com	
Phone Number *		
	include plus sign, country code and area code. For example, +1-800-555-0199. Why do we ask for your phone number?	



PUBLISH AN ANDROID APP ON GOOGLE PLAY

If you need help with the details, have a look at the Getting started guide.



USE GOOGLE PLAY GAME SERVICES

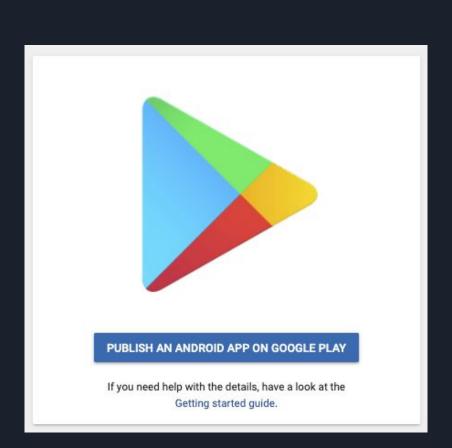
Add social gaming features to your games on Android, iOS and the web. Learn more



Are you working in a team? Invite co-workers to the Play Console.



If you are planning to create paid apps or in-app products, you'll need to set up a merchant account.



Create application	+ *
Default language * English (United States) – en-US \$	GOOGLE PLAY GAME SERVICES cial gaming features to your games on arold, IOS and the web. Learn more
Title *	
	0/50
CAN	CEL CREATE

Names

Battle

War

Fight

Astroid

Comet

Plasma

Quantum

Star

Neutron

Proton

Astral - of, connected with, or resembling the stars.

Battlestroids

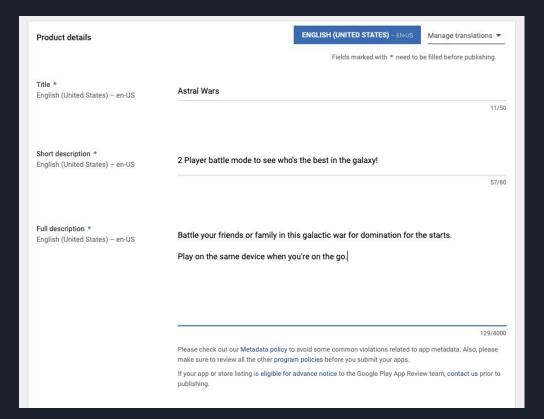
Battlecraft

Astroid Field Wars

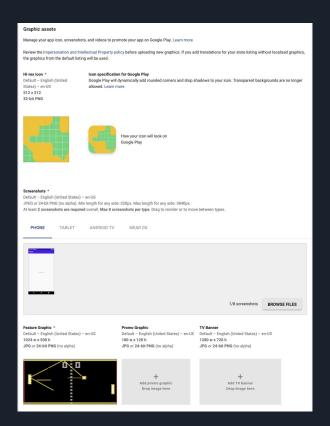
Kuiper Belt Wars

Astral Wars

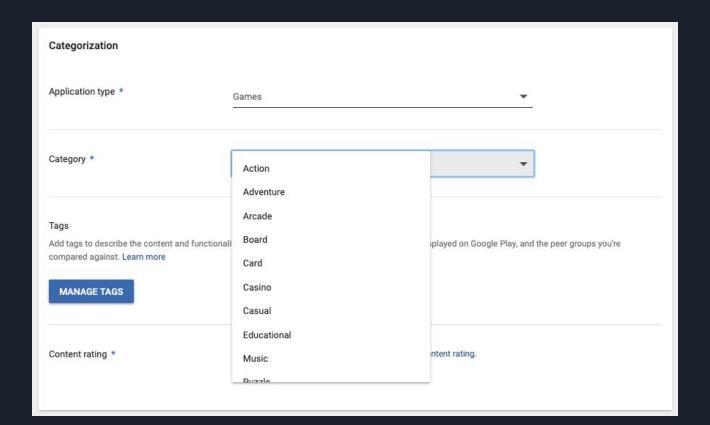
Product Details



Graphics



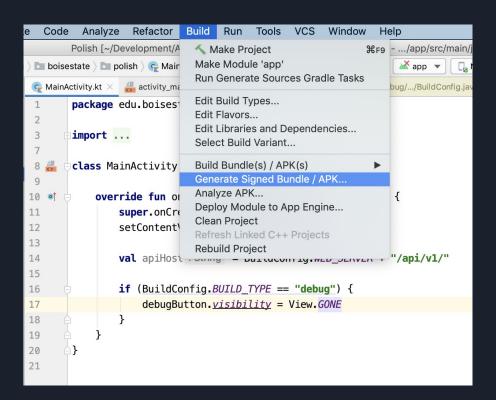
App Category



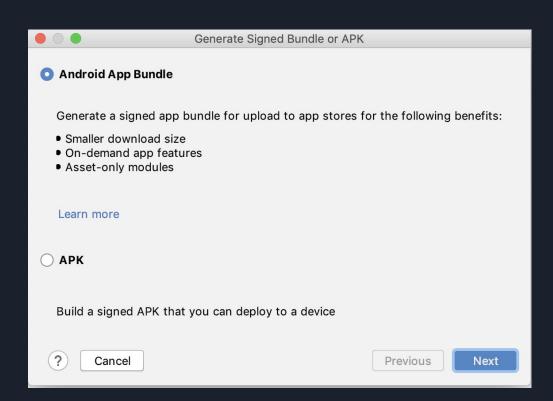
Contact Details

Contact details	
Website	http://www.ElectronicArmory.com
Email *	mike@electronicarmory.com
	Please provide an email address where you may be contacted. This address will be publicly displayed with your app.
Phone	

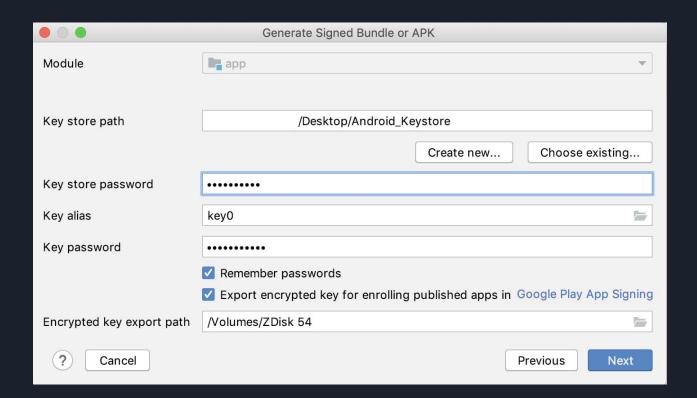
Build an Android App Bundle



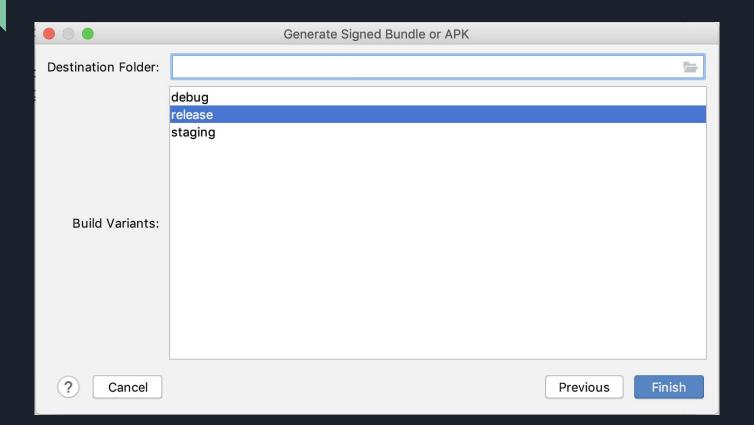
AAB



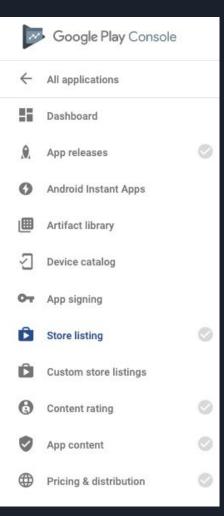
Sign the AAB



Release Variant







App Content

App content

Let us know about the content of your app. This is to make sure your app complies with Google Play policies. Learn more

To do

Privacy policy

Not started Add a privacy policy to your store listing

Adding a privacy policy to your store listing helps provide transparency about how you treat sensitive user and device data.

Start

Ads

O Not started . Let us know whether your app contains ads

You must let us know whether your app contains ads. The 'Contains ads' label is shown next to apps with ads on Google Play. Make sure this information is accurate, and is kept up to date.

Star

Target audience and content

(i) Not started

You must let us know the target age group of your app, and other information about its contents. This helps make sure that apps designed for children are safe and appropriate.

Start

Ads

← App content

Ads

Let us know whether your app contains ads. This includes ads delivered by third party ad networks. Make sure this information is accurate and is kept up to date. Learn more

Ads

Does your app contain ads? Check the Ads policy to make sure your app is compliant.

Yes, my app contains ads

The 'Contains ads' label will be shown next to your app on Google Play. Learn more

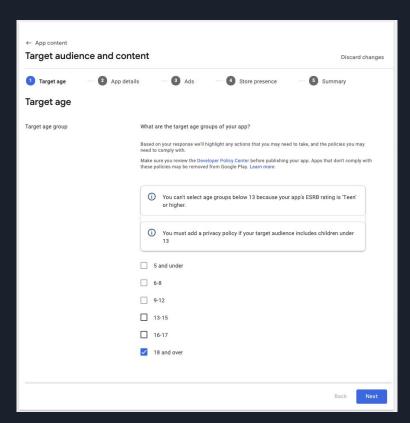


No, my app does not contain ads

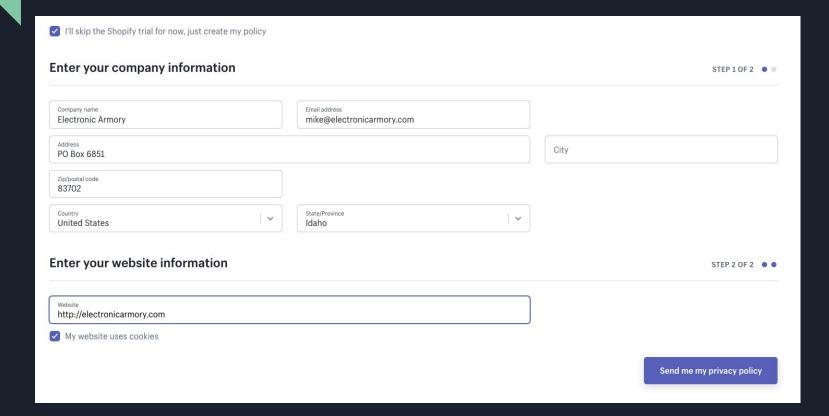
Discard changes

Save

Ages



Company Info



Privacy Policy

← App content

Privacy Policy

Add a privacy policy to your store listing to help provide transparency about how you treat sensitive user and device data. Learn more

You must add a privacy policy if your target audience includes children under 13. Check the User Data policy to avoid common violations.

https://www.electronicarmory.com/privacy-policy/

Enter a URL, for example https://example.com/privacy



Your changes have been saved

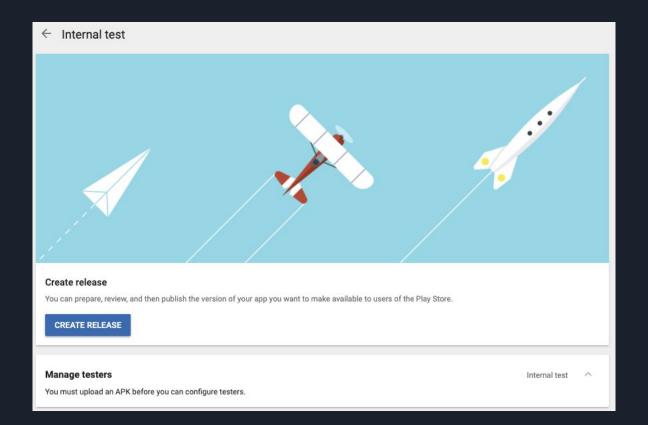
Discard changes

Save

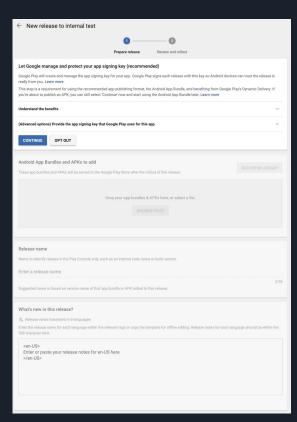
Upload the AAB

App releases Manage your app's Android App Bundles, APKs, review release history, and rollout your app to production or testing tracks. Learn more	
roduction track	
Production Add Android App Bundles or APKs to production to make your app available to all users on the Google Play Store.	MANAGE
pen track	
Beta Add Android App Bundles or APKs to beta to make your app available for open testing.	MANAGE
closed track cr	EATE CLOSED TRACK
Alpha Add Android App Bundles or APKs to alpha to make your app available for closed testing.	MANAGE
nternal test track	
Internal test The internal test track makes your app available for internal testing within minutes.	MANAGE
Internal app sharing Upload test versions of apps and share them with your team by sending them a link. Manage internal app sharing	
re-registration	
Pre-registration - unavailable To start pre-registration, upload an APK to a track of your choice. Once uploaded you will be able to manage and start pre-registration	MANAGE

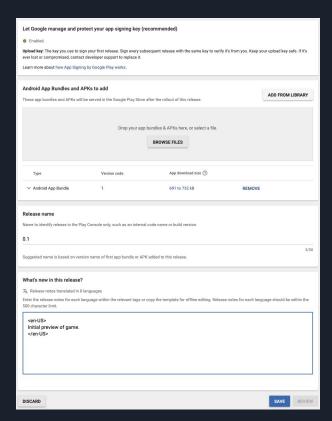
Internal Testing



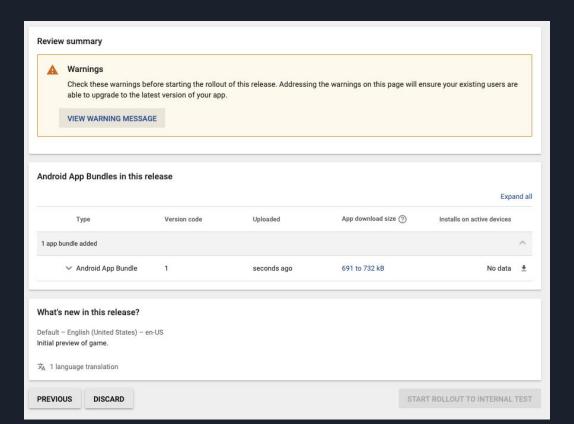
Upload for internal testing







Need to add users for internal testing



App Rating

The Google Play content rating system for apps and games is designed to deliver reputable, locally relevant ratings to users around the world. The rating system includes official ratings from the International Age Rating Coalition (IARC) and its participating bodies (see their Terms of Use).

Developer responsibilities:

- Complete the content rating questionnaire for each new app submitted to Developer Console, for all existing apps that are active on Google Play, and for all
 app updates where there has been a change to app content or features that would affect the responses to the questionnaire.
- Provide accurate responses to the content rating questionnaire. Misrepresentation of your app's content may result in removal or suspension.

Your rating will be used to:

- · Inform consumers about the age appropriateness of your app.
- Block or filter your content in certain territories or to specific users where legally required.
- Evaluate your app's eligibility for special developer programs.

The content rating questionnaire and the new Content Ratings Guidelines are a condition of your participation in the Google Play store. Learn more







Rating category

Welcome to the Content Rating Questionnaire

The Google Play content rating system for apps and games is designed to deliver reputable, locally relevant ratings to users around the world. The rating system includes official ratings from the international Age Rating Coalition (IARA) and its participating bodies (see their Terms of Use). Get started by entering the email address you would like IARC to use for interpretated comminications.

Email address * mike@electronicarmory.com

Confirm email address *

mike@electronicarmory.com

Select your app category



REFERENCE, NEWS, OR EDUCATIONAL The primary purpose of the app is to present factual information in a neutral way, alert users to current events, or educate users. Examples

include: Wikipedia, BBC News, Dictionary.com, and Medscape. Apps that mainly focus on sexual advice or instruction (such as "Kamasutra-Sex Positions" or "Best Sex Tips") should be categorized as "Entertainment" apps and not listed here. Learn more



SOCIAL NETWORKING, FORUMS, BLOGS, AND UGC SHARING

The primary purpose of the app is to enable users to share content or communicate with large groups of people. Examples include: reddit, Facebook, Chat Roulette, 95ag, Yelp, Google Plus, YouTube, Twitter. Apps that only facilitate communication between a limited number of people (such as SMS, WhatsApp, or Skyep) should be categorized as Communication spps and not listed here. Learn more



CONTENT AGGREGATORS, CONSUMER STORES, OR COMMERCIAL STREAMING SERVICES

The primary purpose of the app is to sell physical goods or curate a collection of physical goods, services, or digital content such as professionally produced movies or music, as opposed to user-created music and movies. Examples include: Netflix, Pandora, iTunes, Amazon, Hulus- eBay, Kindle, Lean move.



CAL

The app is a game. Examples include: Candy Crush Saga, Temple Run, World of Warcraft, Grand Theft Auto, Mario Kart, The Sims, Angry Birds, bingo, poker, daily fantasy sports or betting apps.



ENTERTAINMEN

The app is meant to entertain users, and does not fit into any of the above categories. Examples include Talking Angela, Face Changer, People Magazine, IKamasutra - Sex Positions, Best Sexual Tips. Note that this category does not include streaming services. These apps should be categorized as "Consumer Store of Commercial Streaming Services".

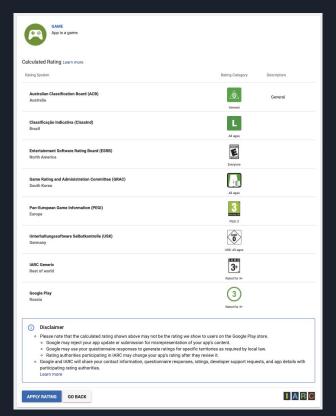


UTILITY, PRODUCTIVITY, COMMUNICATION, OR OTHER

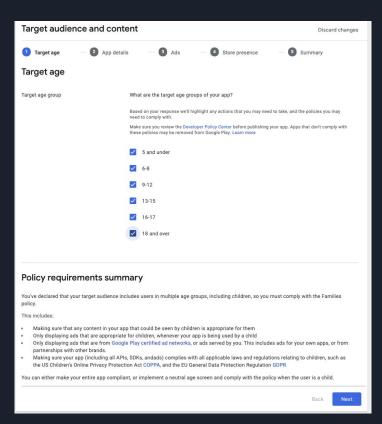
The app is a utility, tool, communication, or productivity app or any other type of app that does not meet criteria for any other categories. Examples include: Calculator Plus, Flashlight, Evernote, Gmall, Outlook.com, Google Docs, Firefox, Bing, Chrome, MX Player, and WhatsApp. Learn more



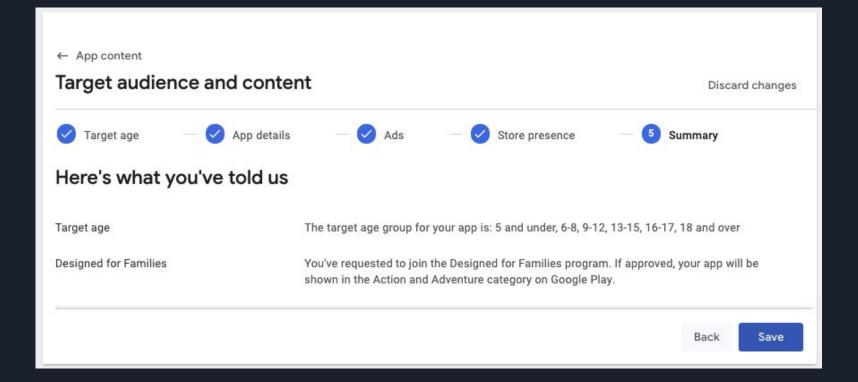


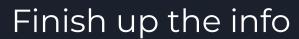


Set the ages



Designed for Families





Customer info

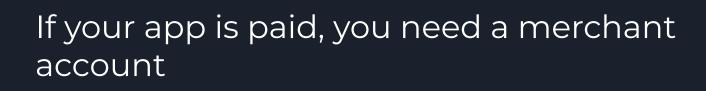


Business

Name and address (i)

Business name

Electronic Armory



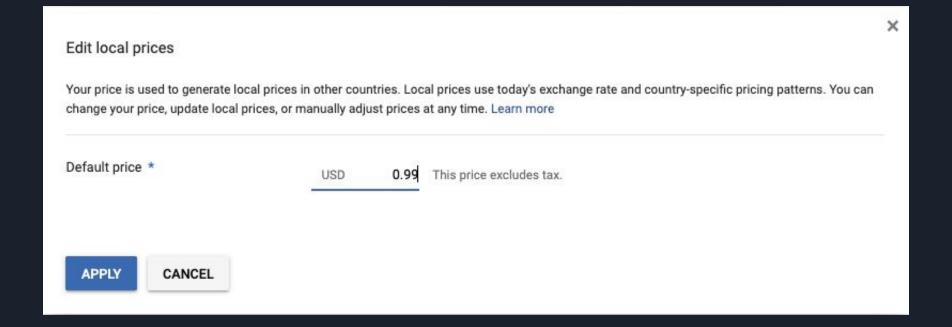
Merchant signup

Your Google Payments merchant account is approved.

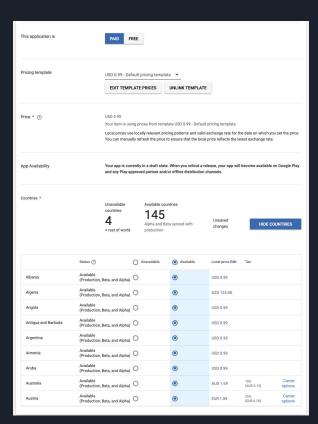
You can now sell applications in Google Play.



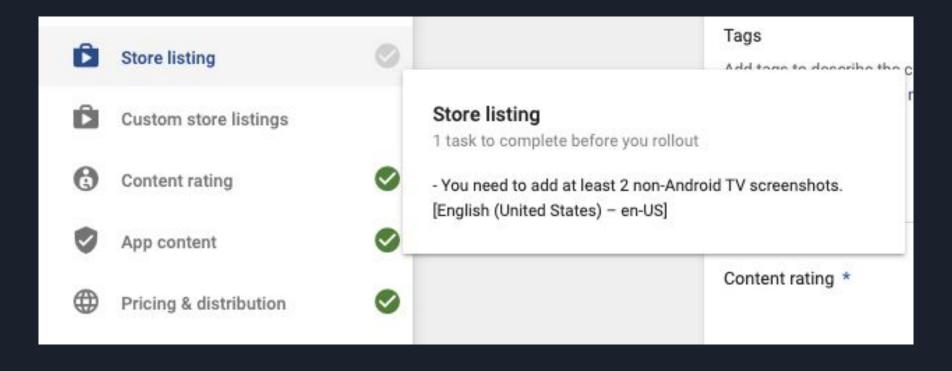
Then, set a price



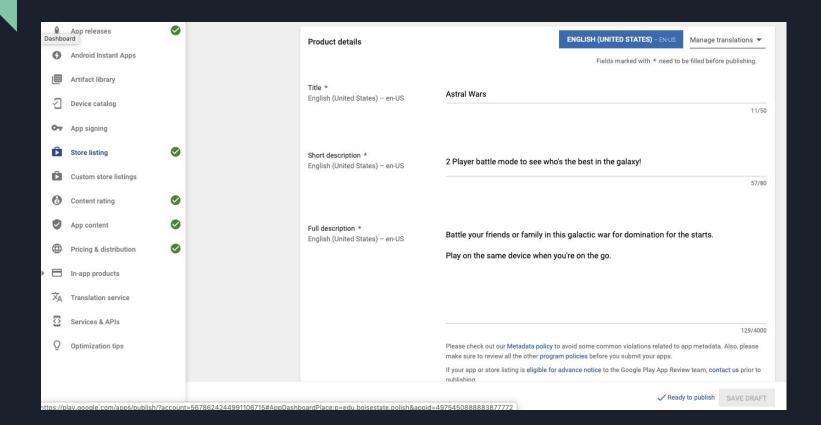
Set the countries that can download it



If you have issues, hover the mouse over the gray checkbox



The rest of the product details



Subscriptions

Example Kotlin Subscription App

Google Play Subscriptions 101

Android Billing Library Overview

Subscriptions

TLDR:

- Adding Billing Library (it adds the permission automatically)
- Connect to the Google Play Billing Service
- Send SKUs and check which are still valid/available
- Query for purchases using those valid skus (if any)
- Launch billing flow with the sku user wants to purchase

Add the Billing Library and Kotlin Extensions

```
implementation 'com.android.billingclient:billing:2.1.0'
implementation 'com.android.billingclient:billing-ktx:2.1.0'
```

Purchase Types

- Free it's free forever
- One time app purchase
- Subscriptions
- In-App Purchases
 - Consumables
 - Non-consumables
- Free trial
- Grace period