

1. What are Google Play Store expansion files?

Google Play currently requires that your APK file be no more than 50MB. For most applications, this is plenty of space for all the application's code and assets. However, some apps need more space for high-fidelity graphics, media files, or other large assets. To make this process easier for you and more pleasant for users, Google Play allows you to attach a large (2GB) expansion file that supplement your APK.

Google Play hosts the expansion files for your application and serves them to the device at no cost to you. On most devices, Google Play downloads the expansion file at the same time it downloads the APK, so your application has everything it needs when the user opens it for the first time.

2. How to know if I need expansion files for my Android app?

In case you're not sure if your app has more than 50MB, feel free to request a test build (Instant build) for your app and check the binary (.apk) size.

3. How to enable Google Play Store expansion files for SeattleClouds apps?

3.1. Android Application Licensing Public Key

For enabling the Google Play Store expansion files for your app you'll need an unique Android Application Licensing Public Key. You can find it under Services & APIs section of your app settings.

Google play | Developer Console

BILLING PRESENTATION - Draft

APK ✓

Store Listing ○

Pricing and Distribution ○

In-app Products ○

Services & APIs

Optimization Tips

SERVICES & APIS

GOOGLE CLOUD MESSAGING (GCM)

Google Cloud Messaging (GCM) is a service that helps you to send data from your servers to your applications. [Learn more](#)

To access the GCM stats for your application, you need to link a GCM sender ID that you use for this application by providing your GCM API key.

Once your app is published, you can access the GCM statistics for your application from the statistics page.

[Link a sender ID](#)

LICENSING & IN-APP BILLING

Licensing allows you to prevent unauthorized distribution of your app. It can also be used to verify in-app billing purchases. [Learn more about licensing.](#)

YOUR LICENSE KEY FOR THIS APPLICATION

Base64-encoded RSA public key to include in your binary. Please remove any spaces.

```
MIIBIjANBgkqhkiG9w0BAQEFAAOCAQ8AMIIBCgKCAQEAgWAvT/S8PFLtBrZWCrOY5kNgyONo2AfN1TresUbJ7sJgSWJD8yCnxRgPAqzV
EvFMw7NBXhuGfu41X
KeTA8+ay7zcvH+6vS
q3nQ8r+7Ze/7wd8DtQX/fUccZH8dAIK/0kuowIZ7wRyQpkE6NXRvJp+vhHP1K75QewuQ0j9WbQIDAQAB
Izh7x1+9zSx6dItUPmgFrei5nI1QN81FhQBW0exA
pnPbiJ1Y0MA8015DXwvmToKwt+RIjHg2jeTvpQKOR
```

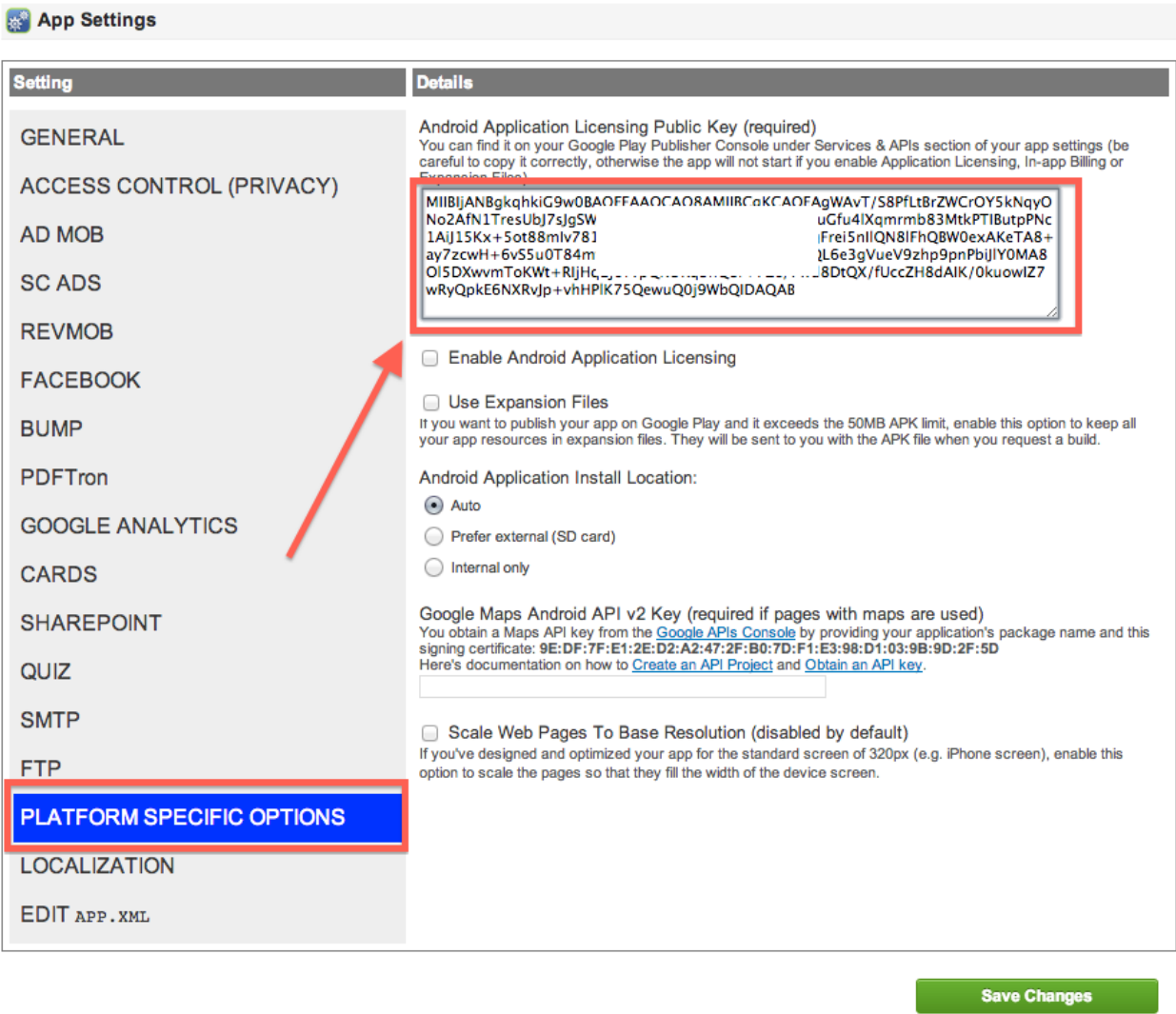
Copy your app public key

GOOGLE PLAY GAME SERVICES

3.2. Add the Android Application Licensing Public Key for your app

After you have copied the app public key, you'll need to add it for your app.

Please follow these steps *Your App Dashboard* -> *Application Settings* -> *Platform Specific Options* -> *Android Application Licensing Public Key* and paste your Application Licensing Public Key.



App Settings

Setting	Details
GENERAL	Android Application Licensing Public Key (required) You can find it on your Google Play Publisher Console under Services & APIs section of your app settings (be careful to copy it correctly, otherwise the app will not start if you enable Application Licensing, In-app Billing or Expansion Files).
ACCESS CONTROL (PRIVACY)	<pre>MIIBJANBgkqhkiG9w0BAQFFAAQCAQRAMIIRCcKCAOFgWAVT/S8PflT8rZWCrOY5kNqyO No2AfN1TresUbj7sJgSW uGfu4IXqmrmmb83MtkPTIButpPnc 1Aij15Kx+5ot88mlv781 fRei5nIIQN8lFhQBW0exAKeTA8+ ay7zcvH+6vS5u0T84m jL6e3gVueV9zhp9pnPbIJY0MA8 O15DXwvmToKwT+RljHc 8DtQX/fUccZH8dAIK/0kuowIz7 wRyQpkE6NXRvjp+vhHPIK75QewuQ0j9WbQIDAQAB</pre>
AD MOB	<input type="checkbox"/> Enable Android Application Licensing
SC ADS	<input type="checkbox"/> Use Expansion Files If you want to publish your app on Google Play and it exceeds the 50MB APK limit, enable this option to keep all your app resources in expansion files. They will be sent to you with the APK file when you request a build.
REVMOB	Android Application Install Location: <input checked="" type="radio"/> Auto <input type="radio"/> Prefer external (SD card) <input type="radio"/> Internal only
FACEBOOK	Google Maps Android API v2 Key (required if pages with maps are used) You obtain a Maps API key from the Google APIs Console by providing your application's package name and this signing certificate: 9E:DF:7F:E1:2E:D2:A2:47:2F:B0:7D:F1:E3:98:D1:03:9B:9D:2F:5D Here's documentation on how to Create an API Project and Obtain an API key .
BUMP	<input type="checkbox"/> Scale Web Pages To Base Resolution (disabled by default) If you've designed and optimized your app for the standard screen of 320px (e.g. iPhone screen), enable this option to scale the pages so that they fill the width of the device screen.
PDFTron	
GOOGLE ANALYTICS	
CARDS	
SHAREPOINT	
QUIZ	
SMTTP	
FTP	
PLATFORM SPECIFIC OPTIONS	
LOCALIZATION	
EDIT APP.XML	

Save Changes

3.3. Enable Expansion Files

In order to enable Expansion Files for your app please follow these steps:

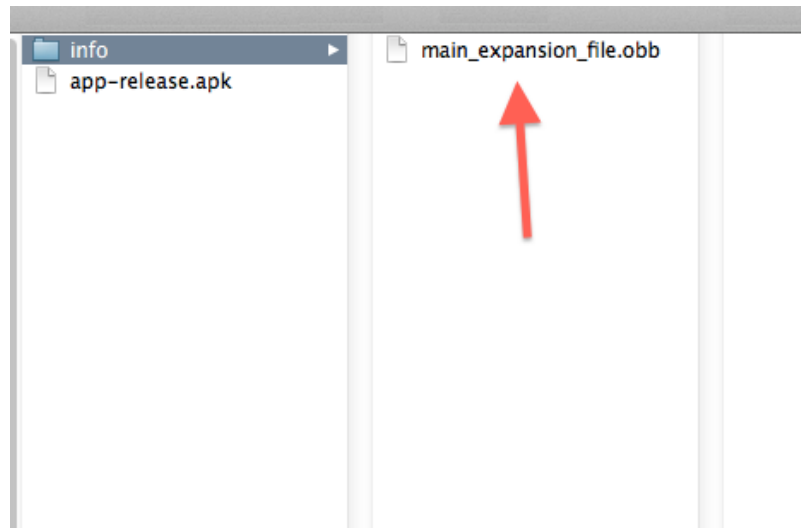
Your App Dashboard -> *Application Settings* -> *Platform Specific Options* -> *Use Expansion Files*

The screenshot shows the 'App Settings' interface. On the left is a sidebar with categories: GENERAL, ACCESS CONTROL (PRIVACY), AD MOB, SC ADS, REVMOB, FACEBOOK, BUMP, PDFTron, GOOGLE ANALYTICS, CARDS, SHAREPOINT, QUIZ, SMTP, FTP, and a highlighted 'PLATFORM SPECIFIC OPTIONS' button. The main area is titled 'Details' and contains several settings. The 'Use Expansion Files' option is checked and highlighted with a red box. A red arrow points from this box to the 'PLATFORM SPECIFIC OPTIONS' button. Other settings include 'Enable Android Application Licensing' (unchecked), 'Android Application Install Location' (set to 'Auto'), and 'Scale Web Pages To Base Resolution' (unchecked). A 'Save Changes' button is at the bottom right.

****NOTE:** Expansion files will be sent to you with the APK file when you request a build.

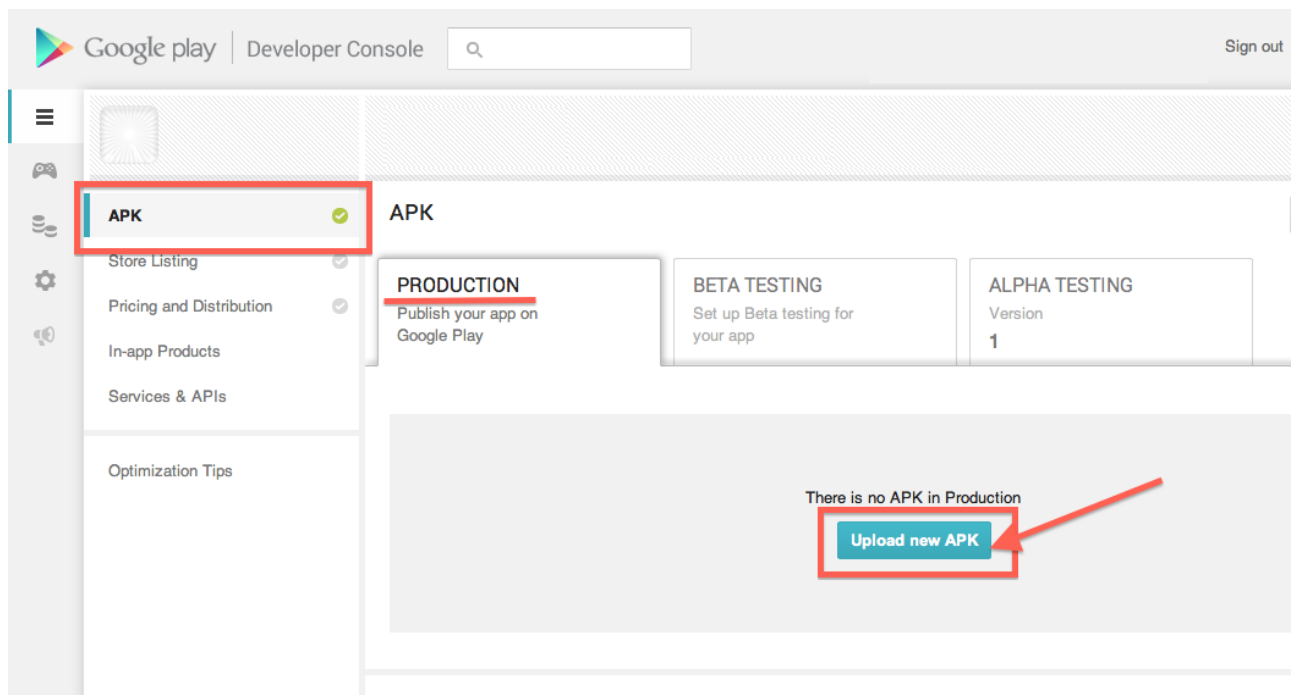
4. Where I can find the expansion files for my app?

Please unzip the received from us build file for your app. You should find an *app-release.apk* file, this is your main app binary. The expansion file for your app you'll find in the *info* folder. App Expansion file name should be *main_expansion_file.obb*.

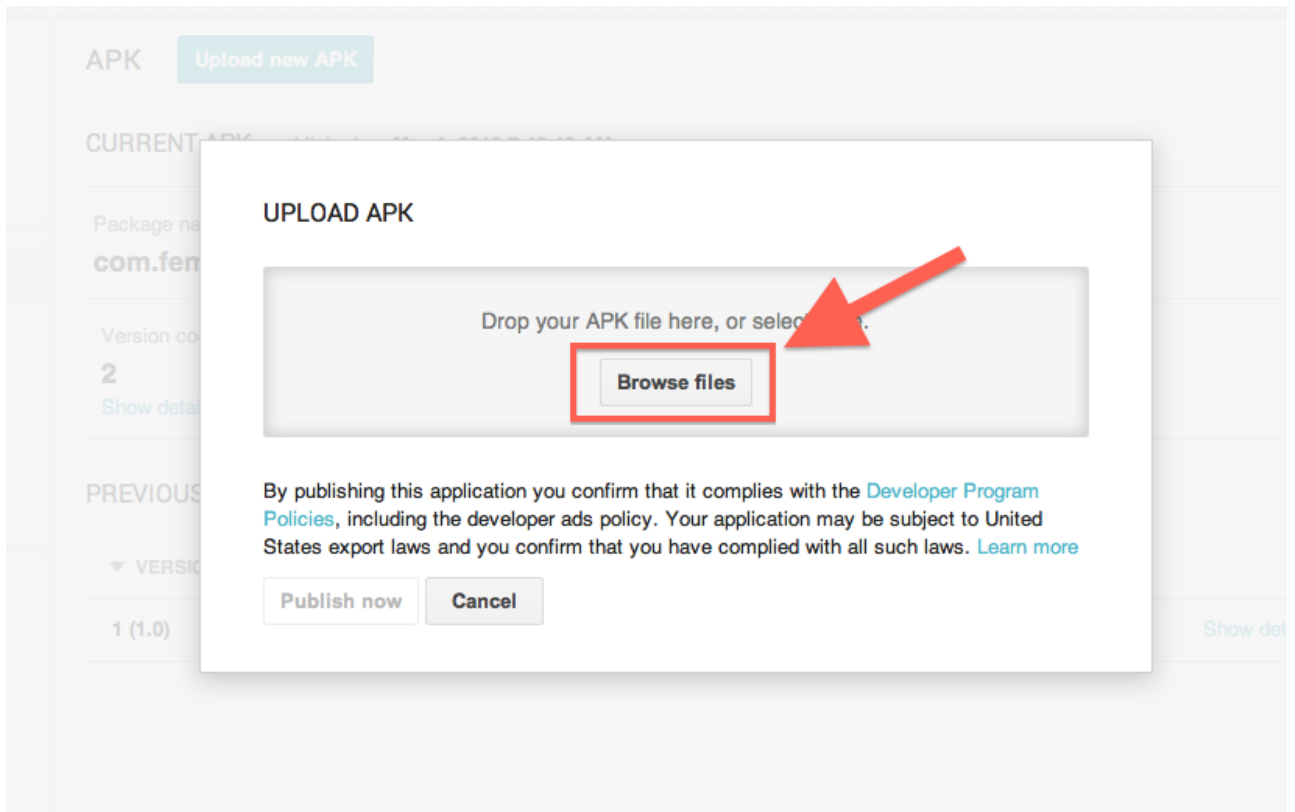


5. How to publish an Android app with Expansion Files on Google Play Store?

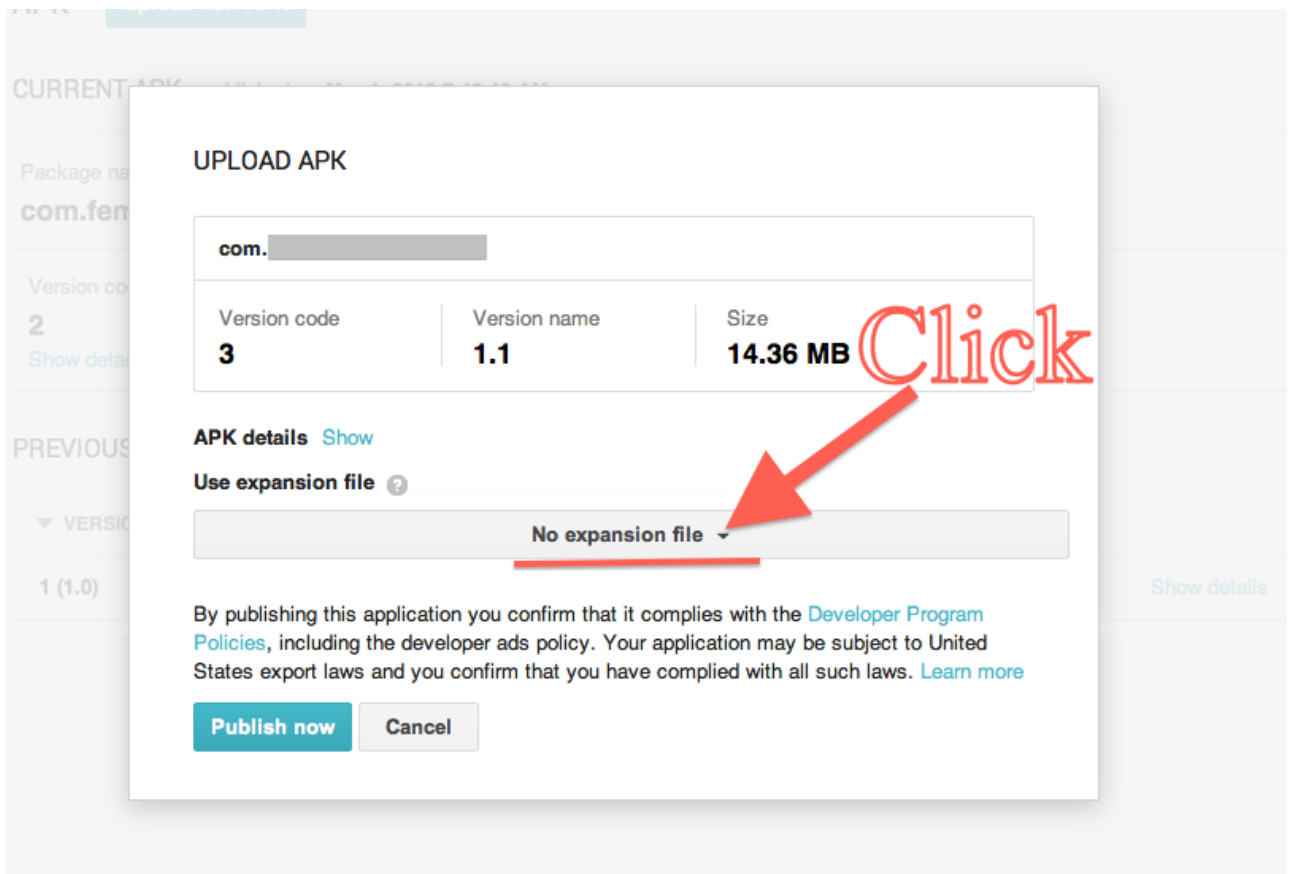
5.1 Add a new .apk for your app. You can find this option under APK section of your app settings.



5.2 Upload your main app binary (*app-release.apk*)



5.3 After your .apk will be accepted click on No Expansion Files



5.4 Click on Upload a new file and upload the *main_expansion_file.obb* file

