# Steps to Publish a Google Play application

Having built an .apk that has passed Lighhouse as Trusted Web Application (TWA):

1. Sign up for a Google Play developer account <https://play.google.com/apps/publish/signup/>
2. Go to your [Play Console](https://play.google.com/apps/publish/)

## Create a new Application

1. Select All applications All applications > Create application.
2. Select a default language and add a title for your app. Type the name of your app as you want it to appear on Google Play.
3. Create your app's [store listing](https://support.google.com/googleplay/android-developer/answer/113469#store_listing), take the [content rating questionnaire](https://support.google.com/googleplay/android-developer/answer/188189), and [set up pricing and distribution](https://support.google.com/googleplay/android-developer/answer/6334373).

## Create a Release

1. On the left menu, select Release management > App releases.
   1. ​​If you don't see App releases in the menu, make sure you have [permission to manage releases](https://support.google.com/googleplay/android-developer/answer/2528691#definitions).
2. Next to the release type you want to create, select Manage. You can select between:
   1. *Internal test*: Create an internal test release to quickly distribute your app for internal testing and quality assurance checks.
   2. *Closed*: Create a closed release to test pre-release versions of your app with a larger set of testers. Once you've tested with a smaller group of employees or trusted users, you can expand your test to an open release. On your App releases page, an Alpha track will be available as your initial closed test. If needed, you can also create and name [additional closed tracks](https://support.google.com/googleplay/android-developer/answer/3131213#create_additional_track).
   3. *Open*: Create an open release after you've tested a closed release. Your open release can include a wider range of users for testing, before your app goes live in production.
   4. *Production*: When you create a production release, this version of your app is available to all users in the countries you've targeted.
3. To create a new release, select Create release.

## Prepare for a Release

1. Follow the on-screen instructions to add APKs or app bundles, describe what's new in this release, and name your release. For more information on any of these fields, select the matching section heading below.
2. To save any changes you make to your release, select Save.

## Review and roll out a Release

1. Select Review. You'll be taken to the "Review and roll out release" screen, where you can make sure there aren't any issues with your release before rolling out to users.
2. Review any warnings or errors.
3. If you're updating an existing app, select a rollout percentage.
   * If you're rolling out your first  release, you won't see the option to select a rollout percentage.
   * For details on how to target a staged rollout to specific countries, go to [release app updates with staged rollouts](https://support.google.com/googleplay/android-developer/answer/6346149#staged_country).
4. Select Confirm rollout.
   * If you're rolling out your app's first release on production, clicking Confirm rollout will also publish your app to all Google Play users in the countries you selected.

Once you've created a release, you'll see the following information for the latest app release you rolled out to each track on your App releases page.

* Release name: Name to identify release in the Play Console only, such as an internal code name or build version.
* Rollout details: A timestamp indicating the last rollout event for each release.
* Device support: A summary of your app's device compatibility, including supported, unsupported, and excluded devices. Device support is managed per app instead of per release or track.
* APK details: A list of active version codes added in your current and previous releases.
* Rollout history: A timeline that shows timestamps for when your app's release was halted, resumed, or served to a new percentage of users.
* Release history: A list of all previous releases with version code details, rollout history, and release notes.

## Install the Release

1. Prepare your Android device by removing any existing version of your app
2. Got to settings->Applications->Cache and remove any cache storage the app may still be keeping
3. Navigate to the Google Play store
4. Search for your app
5. Verify name, description, release notes, use, TOS etc. is correct
6. Install the App

## Test the Release

1. Turn off WiFi connection
2. Using cellular data only run through basic functionality
3. Enable WiFi connection
4. Retest
5. Place device in Airplane mode
6. Verify no-connectivity mode functions as desired