



Play SDK Partnerships



Our mission is building a trusted, reliable SDK ecosystem by reducing developers friction and deliver a safer and reliable app experience for Play users.



SDK partnerships support plan for SDK developers

SDK Product Portfolio

Enable access to play tools for SDK developers including

- SDK Console
- Inline install API for SDKs
- App Integrity API for SDKs
- Family Ads program
- Play Billing API

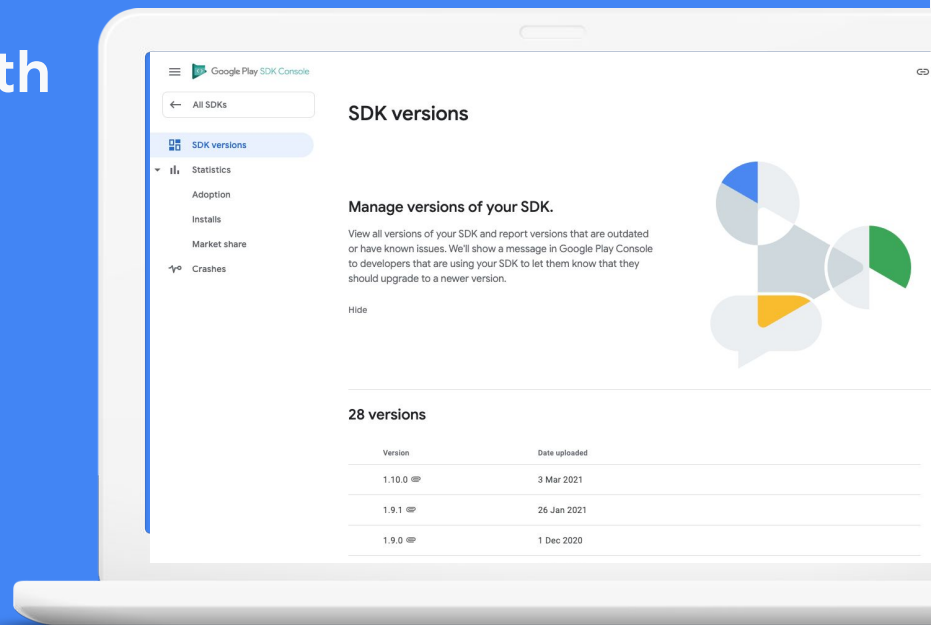
SDK Policy Mitigation

Proactive policy support with aim to improve developer experience.

- Proactive policy violation support
- 1:1 policy consultation

Build Better and Safer SDKs with Google Play SDK Console

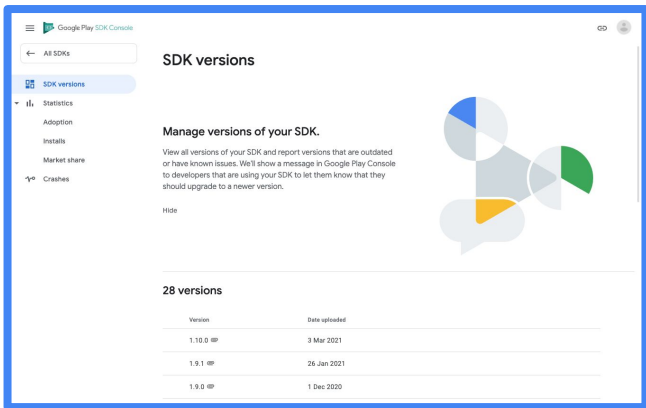
Use Cases & Best Practices



Our Vision: **Make SDKs Better and Safer for Apps and Users on Google Play**

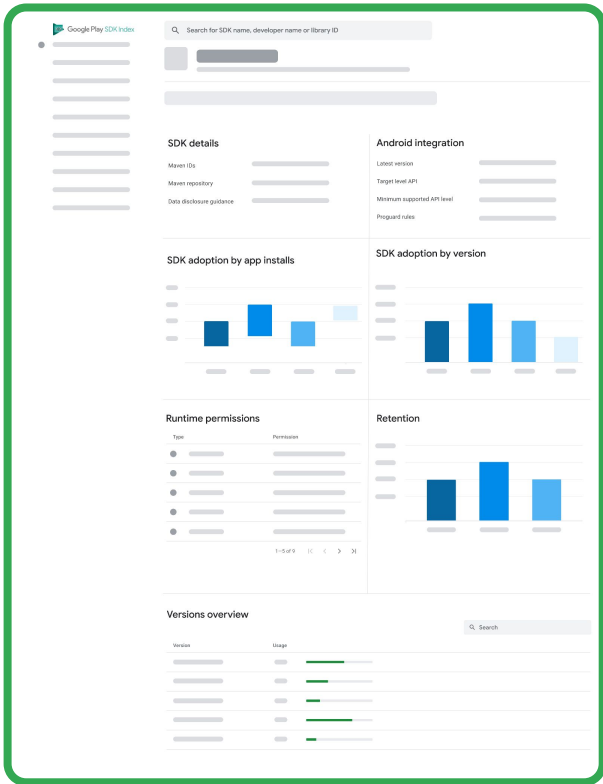
SDK Console

Helping SDK providers build better and safer SDKs with troubleshooting tools and insights



SDK Index

Enabling app developers make informed decisions while selecting SDK providers



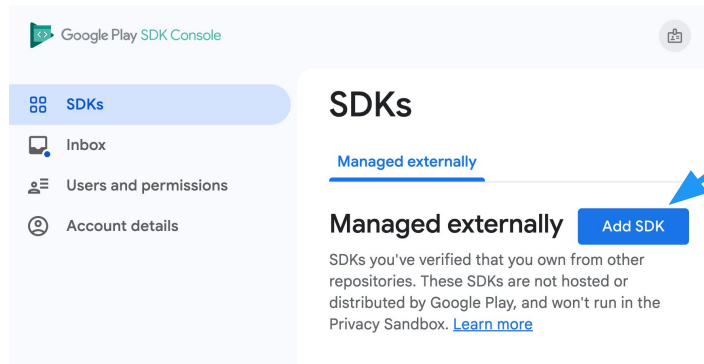
Create Console account and Claim your SDKs

[Claim your SDKs](#)

Sign in claim all SDKs related to you Organization

- Use an existing Google account or create a new Google account to sign in to SDK Console.
- Once you sign in, you can invite other users via their Google accounts and manage individual user permissions.

1. **Step 1:** Once you login to your Google play's SDK console select SDK on the left hand side, then select Add SDK button in blue.
2. **Step 2:** pop window will open in your screen where you can input your maven_id ex. com.google.example

**Step 1**

Add SDK

Enter the Maven ID of the SDK you own and want to claim in SDK Console. To claim, you'll need to verify ownership and add details.

For example com.google.guava:guava

[Check eligibility](#)

Cancel

Add

Step 2

[Claim your SDKs](#)

Verify ownership of your SDK

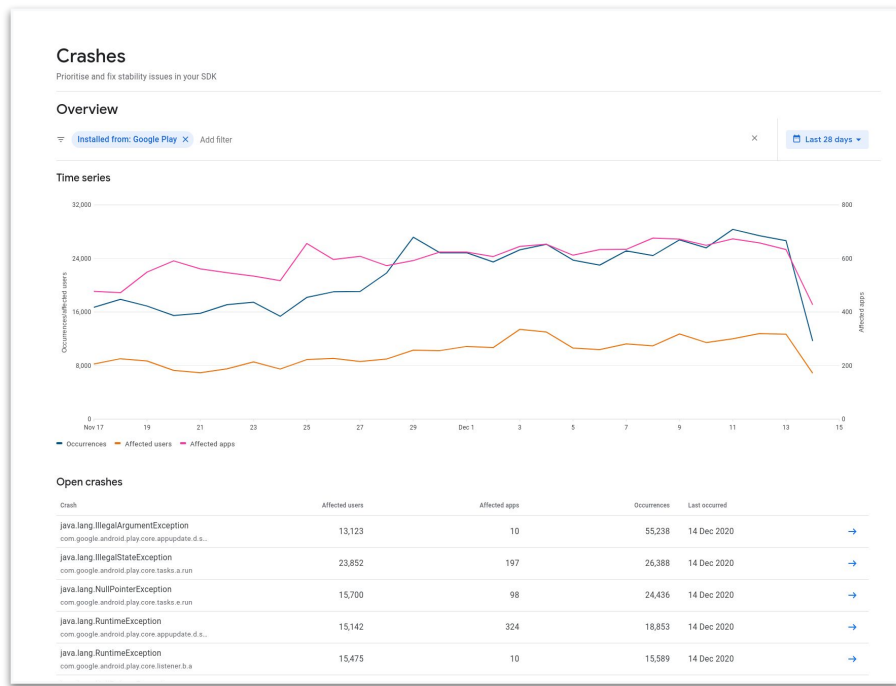
- Download the unique verification file for your SDK Console account.
- Unzip the file into your Android SDK's main folder, which extracts "verification.properties" to src/main/resources/META-INF/[Your_SDK_NAME].
- Build your SDK, including the verification file in the binary.
- Publish this new SDK version to your repository; the file doesn't need to be in future releases.
- This step can be completed later. We will email you upon successful ownership verification, which may take up to 14 days.

Use Cases & Best Practices

Crashes & ANRs

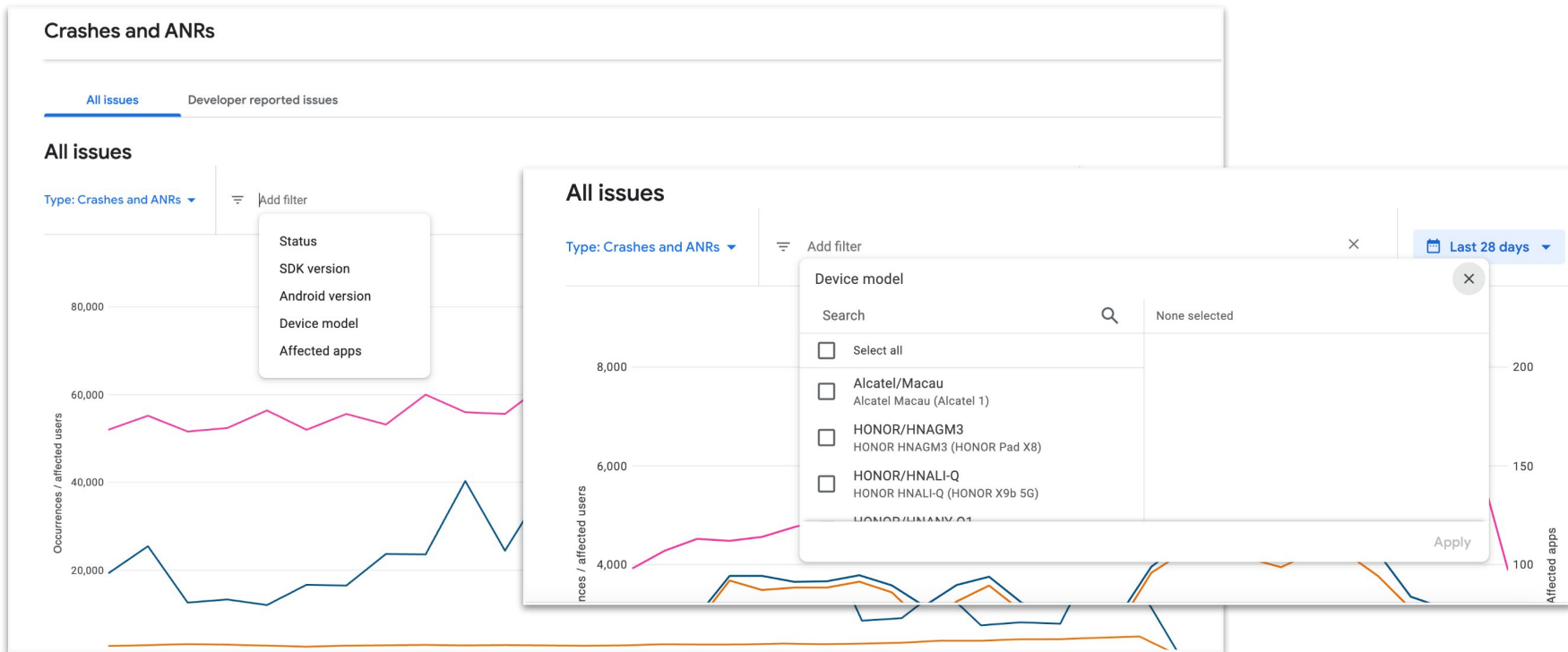
Detect issues before they escalate into clients complaints

1. **SDK-identified crashes:** The system automatically attribute crashes to your SDK and present the data after aggregating and anonymizing sensitive information.
2. **App developer-shared crashes:** An app developer manually share a report with a full stack trace, including other SDKs that may have been involved.

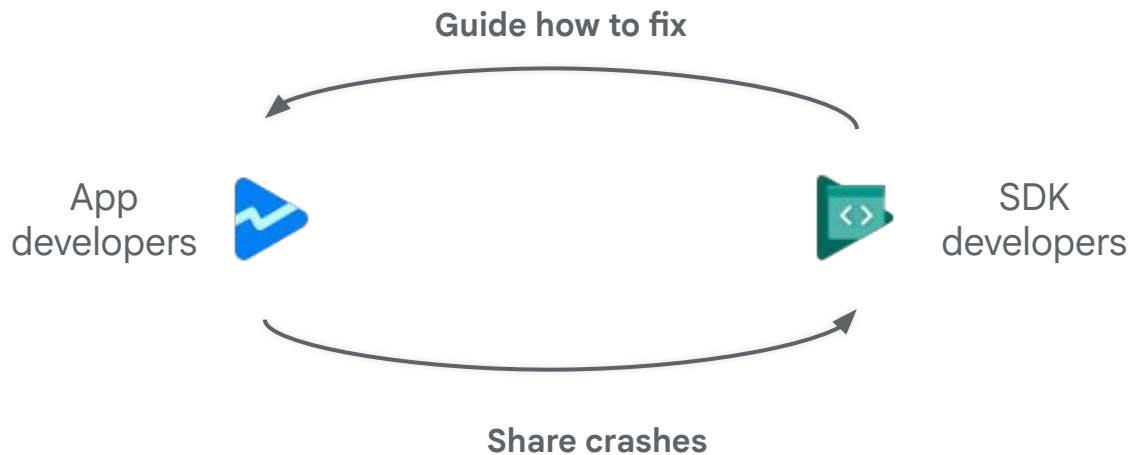


Crashes Status & Notes

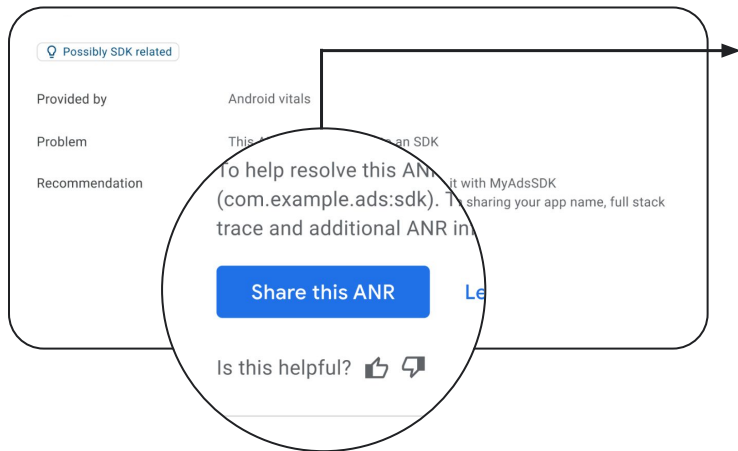
Manage your pipeline by filtering and marking as “Fixed” or “Won’t fix”



We have built a communication loop between SDK providers and App developers to make resolving crashes faster and easier



Crash and ANR sharing in Play Console



Share this ANR with the SDK provider

This ANR may be related to MyAdsSDK (com.example.ads.sdk).

To help resolve this ANR, share it with **MyAdsSDK** (com.example.ads.sdk). This will mean sharing your:

- app name and developer name
- SDK version and current relative distribution of Android versions and devices where this ANR error is occurring (not shared)
- full stack trace:

Type `java.lang.RuntimeException:`

```
1  at android.graphicsHardwareRenderer.notifyFramePending (HardwareRenderer.java:557)
2  at android.view.ViewRootImpl.notifyRendererOffFramePending (ViewRootImpl.java:2556)
3  at android.view.ViewRootImpl.scheduleTraversals (ViewRootImpl.java:2588)
4  at android.view.ViewRootImpl.performTraversals (ViewRootImpl.java:3875)
5  at android.view.ViewRootImpl.doTraversal (ViewRootImpl.java:2618)
6  at android.view.ViewRootImpl$TraversalRunnable.run (ViewRootImpl.java:9971)
7  at android.view.Choreographer$CallbackRecord.run (Choreographer.java:1010)
8  at android.view.Choreographer.doCallbacks (Choreographer.java:809)
9  at android.view.Choreographer.doFrame (Choreographer.java:744)
10 at android.view.Choreographer$FrameDisplayEventReceiver.run (Choreographer.java:995)
```



Crashes Status & Notes

Help app developers solve crash issues

The image shows two overlapping screenshots of the Google Play SDK Console interface. The background screenshot shows the 'Edit note for app developers' page, which includes a sidebar with navigation options like Dashboard, Inbox, Statistics, and Publishing overview. The main content area has sections for 'Crash status' and 'Note'. The 'Crash status' section lists four categories: 'Fixed in newer version', 'Caused by wrong integration' (highlighted in blue), 'Known issue (won't fix)', and 'Not caused by SDK'. The 'Note' section has a text area for developers to provide details. The foreground screenshot shows the 'Crash details' page for a specific crash. It includes a search bar, a sidebar with navigation options, and a main content area with 'Notes from SDK providers' and a 'Stack trace'. The 'Notes from SDK providers' section contains a note about a conflict between the data model defined in the code and the data model of the existing database file. The 'Stack trace' section shows the exception details and the stack of calls leading to the crash.

Edit note for app developers

Help app developers understand what caused this Crash, and if or how they can prevent it. Crash status and notes are shown in Google Play Console to dev

Crash status

- Fixed in newer version**
A fix for this crash is included in a newer version of your SDK
- Caused by wrong integration**
Caused by the incorrect use of an API, method, or parameter
- Known issue (won't fix)**
For example, a crash that is happening on an unsupported device
- Not caused by SDK**
You believe your SDK code is not responsible for this crash
- Other**
Caused by any other crash not listed here

Note

Crash details

Notes from SDK providers

Android Database · io.objectbox:objectbox-android · 23 Jan

Crash status Other

Note This means there is a conflict between the data model defined in your code (using @Entity classes) and the data model of the existing database file. Read the meta model docs on why this can happen and how to resolve such conflicts: <https://docs.objectbox.io/advanced/meta-model-ids-and-uids/resolving-meta-model-conflicts>

Is this helpful?

Stack trace

Type `java.lang.RuntimeException` Show less

```
Exception java.lang.RuntimeException:
  at android.app.ActivityThread.handleBindApplication (ActivityThread.java:6493)
  at android.app.ActivityThread.access$91400 (ActivityThread.java:226)
  at android.app.ActivityThread$H.handleMessage (ActivityThread.java:1884)
  at android.os.Handler.dispatchMessage (Handler.java:107)
  at android.os.Looper.loop (Looper.java:214)
  at android.app.ActivityThread.main (ActivityThread.java:7386)
  at java.lang.reflect.Method.invoke
  at com.android.internal.os.RuntimeInit$MethodAndArgsCaller.run (RuntimeInit.java:492)
  at com.android.internal.os.ZygoteInit.main (ZygoteInit.java:980)
Caused by io.objectbox.exception.DbSchemaException:
  at io.objectbox.BoxStore.nativeCreateWithFlatOptions
  at io.objectbox.BoxStore.<init> (BoxStore.java:264)
```

Versions

View SDK versions with potential policy issues or vulnerabilities

3.0.2.0 - prevents app release

Policy issue

Version 3.0.2.0

Policy issue

Prevents app release

Apps using this SDK version may violate the following Google Play policies. They will soon be required to update to the next SDK version. Any version may be affected by issues which have not been detected.

Policy	Details
Device and Network Abuse	This SDK version attempts to update or modify itself using executable code from the web or unknown sources outside of Google Play. Learn more
User Data	This SDK version collects or links persistent device identifiers to other personal and sensitive user data or resettable device identifiers. Learn more

You can't show a note to app developers on this version, or report it as outdated. This is because it has policy issues that prevent app releases.



Versions Tags & Notes

App developers will be instructed to find a compliant version before resubmitting their app

The screenshot shows the Google Play Console interface. The left sidebar contains navigation links: All applications, Dashboard, Statistics, Android vitals, and Development tools. The main content area is titled 'Review summary' under the 'Production' tab, with a sub-header 'Errors found in your release'. Below this, a progress bar shows '1 Prepare release' and '2 Review and rollout', with a 'Discard release' button. A red warning icon and text state: 'A policy violation was found in version 1.2.44 of My SDK'. The text explains that the app uses the library 'My SDK (com.mysdk)' v1.2.44, which is in breach of Play Policies, and instructs the developer to upgrade to v1.3.0. A 'Learn more' link is provided. At the bottom, a table titled 'Store presence' lists app details.

Type	Version code	API levels	Target SDK	Screen layouts	Native platforms	Features	APK download size
APK	40053630	23+	23+	4	1	2	16.48 KB

Versions Tags & Notes

Get notified via inbox and submit a new version for review

Inbox

[Manage email preferences](#)

Messages about your SDKs in one place. [Show more](#)

[Messages](#)[Archived messages](#) Add filter

Important

Address your SDK's Google Play policy issues

CrashyMcCrashF...

Jun 25, 2024 18:17



Version **1.0.0** of your SDK includes code that may cause apps using it to violate one or more Google Play policies.

We have identified the following issues:

- Collecting the Advertising ID without respecting the user settings 'Personalization'. These behaviors are prohibited by the [isLimitAdTrackingEnabled](#) to collect advertising.
- Collecting personal or sensitive device identifiers include IMEI, which can be linked to other personal sensitive information and cause apps to violate Play's [User Data Policy](#).
- Containing code to download and use sensitive information.

Check that this SDK, and any others you publish for use with apps on Google Play, align with all [Developer Program Policies](#) and [SDK Requirements](#).

Address this behavior by releasing a new SDK version, and [report a fix](#) within **60 days**. After 60 days, apps using the SDK version mentioned above with policy issues may be subject to [enforcement](#) by Google Play. The form will ask you how to best identify the new version, and where it can be found, including links to the SDK's **documentation** and the **URL of the Maven repository** where you host it. It will also ask you for a unique identifier to help us track your response.
Your unique identifier is: 424242.

If you've reviewed the policy and have questions, please contact our [policy support team](#).

[Report a fix](#)[Request help](#)[Archive](#)

Versions Tags & Notes

Report versions as outdated or add a note for app developers if it has more issues

The image shows two overlapping screenshots. The background screenshot is from the Google Play SDK Console, displaying the 'Edit note for app developers using version 1.1.0' interface. It includes a text area for a note, a warning message about the note's visibility, and radio buttons to choose how the version affects app releases. The foreground screenshot is from Android Studio, showing the 'Dependencies' tab for the 'app' module. It lists various dependencies, with 'co.ogury:ogury-sdk:4.9.1' highlighted. A red box highlights a warning message in the details panel: 'Dependencies: co.ogury:ogury-sdk:4.9.1: co.ogury:ogury-sdk version 4.9.1 has been marked as outdated by its author [View details on Google Play SDK Index]'.

Integration with Android Studio

Edit note for app developers using version 1.1.0

Note for app developers

Enter a note

we identified a critical issue

This message is shown to all app developers using this SDK version. It should not address an individual developer or include salutations.

Choose how this will affect app releases

- ☒ Don't prevent app developers from releasing apps that use this version
App developers will still be able to release apps that use this version of your SDK. Your note will be shown to them in Google Play Console when releasing their app.
- ☐ Prevent app developers from releasing apps that use this version after 90 days
Your note will be shown to app developers in Google Play Console when releasing their app, asking them to upgrade to a newer version. 90 days after first seeing your note, developers won't be able to release versions of their app which use this version of your SDK.

Dependencies

Modules

- <All Modules>
- app
- lib

All Dependencies

- androidx.viewpager:viewpager:1.0.0
- co.ogury:ogury-sdk:4.9.1
- com.android.example:annotationsD:1.0
- com.android.example:annotationsE:2.0
- com.android.example:annotationsF:2.1
- com.android.example:libraryC:1.0
- com.android.support:collections:28.0.0
- com.example:libA:1.0

Details

Group ID: co.ogury

Artifact Name: ogury-sdk

Warning

Dependencies: co.ogury:ogury-sdk:4.9.1: co.ogury:ogury-sdk version 4.9.1 has been marked as outdated by its author [View details on Google Play SDK Index]