

Sadhan Sarker
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Google Drive API with Android

#googledrive #android #google #java

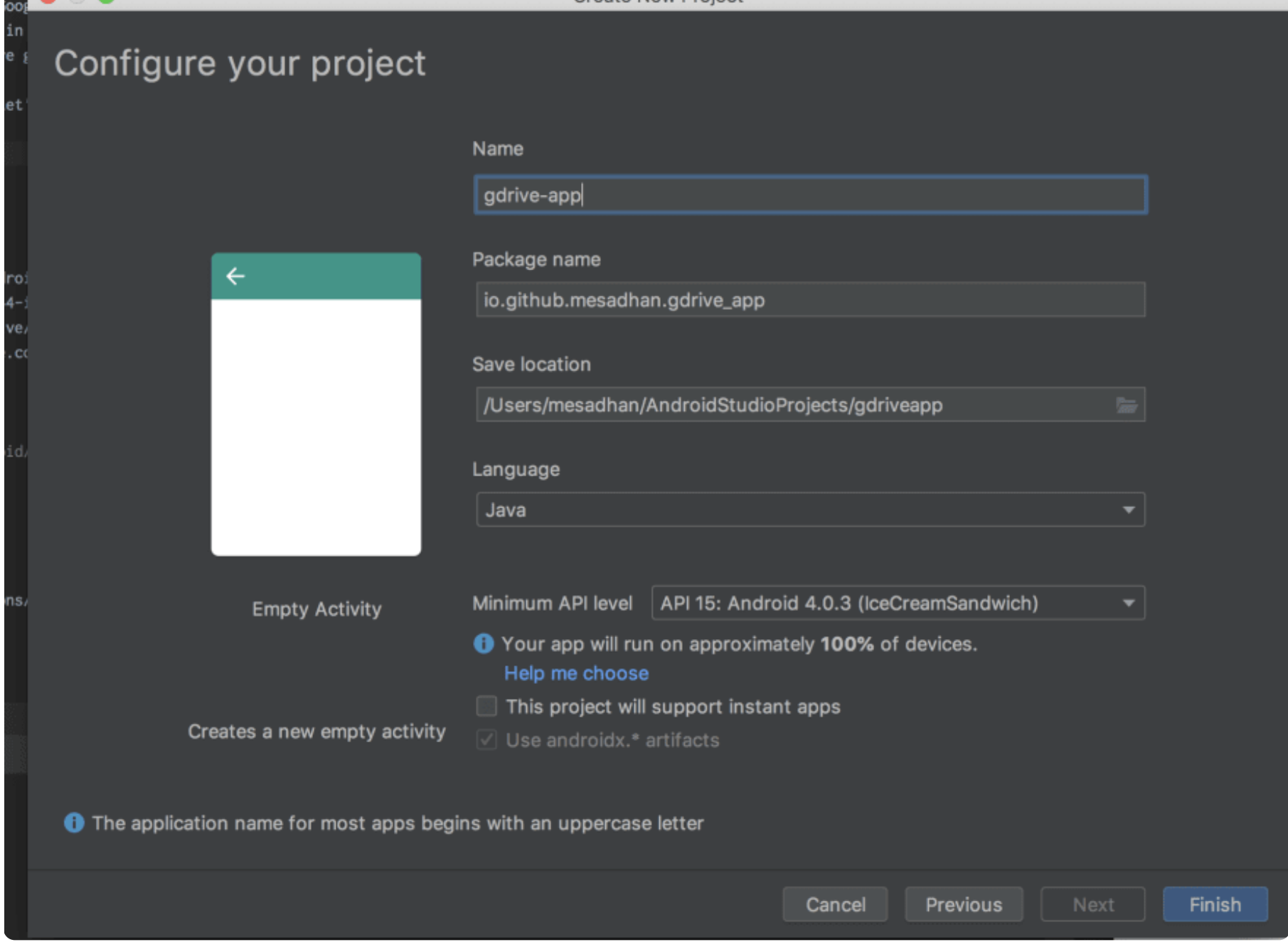
There are many ways to upload images and files. Also, there are many places from which to uploads files: Dropbox, local storage on the device, Google Drive and other services. In this tutorial, we are going to take a look at how to upload and create a file in Google Drive. To do so we need to Google Drive SDK and Google Authentication Base on Google Drive Rest API we are going to do that.

Okay, it's enough to talk about it 😊 Let's get into it,

Getting Started

Start a new **Android Studio** project from the startup screen or **New Project** then select **Empty Activity** from the Choose Project` box.

Enter the name `drive-rest-app` company domain and a project location. Make sure to Choose Language Java.



And Click **Finish** .

Registering for Google Drive

As we discuss we need to Google Drive SDK, So in order to use it, we need to enable that API. Okay don't worry we will move forward step by step

- Go to [Google Console](#).
- Sign up for a developer account if We don't have or then sign in.
- **Create** a project Or **Select** and click continue from below,

Alt Text

- After creating a project we have **Dashboard** like below,

Alt Text

- Now, Select **Library** on the left-hand side to go to the Search screen
- Type "Google Drive" and select Google Drive API.
- Select Enable. Then It looks like below,

Alt Text

- Back to Dashboard, from Dashboard left-hand side go to Credentials. Create **Credential** by selecting the **OAuth client ID** like below

Alt Text

It navigates to the **Create OAuth client ID** page. Select our Application Type **Android**.

Alt Text

- Now we need your **SHA-1 Signing-certificate fingerprint** key. Do so follow below steps
- Copy the keytool text (press the Copy icon) and paste it into a terminal.
- Change the path-to-debug-or-production-keystore to your default debug keystore location:
- On Mac or Linux, `~/android/debug.keystore` .
- On Windows, `%USERPROFILE%\android/debug.keystore` .
- After you execute the command, you will be prompted to enter the keystore password. The password for the debug keystore is blank by default, so you can just press Return or Enter.

Notes: If throwing error to generate signing key then it might be **keystore** not found.

I used an alternative command for my machine **MAC OS** .

```
keytool -list -v -keystore ~/android/debug.keystore -alias androiddebugkey -storepass android -keypass android
```

If everything works correctly, you should see something like this:

- Copy the **SHA1** value from the terminal into the text field and press Create. The Client ID dialog will appear. Press OK.

Alt Text

- Finally, enter a name and the **package name** that we used to **create our app**. Although the hint refers to the package name in **AndroidManifest.xml**, it has to match the **applicationId** in **build.gradle** instead — otherwise, the login flow will fail.
- We don't need to complete the form that appears, it's optional so press **Save** and move on.

Optional, Now, In the Credentials page. Authorization on Android uses the **SHA1** fingerprint and **package name** to **identify your app**, so you don't have to download any **JSON file** or copy any **API key** or secret to our project.

It's about lots of fun, Don't worry! Now, we are in the fun part 😊.


Let's Back to the coding part,


Sorry! `dev.to` can't render source files properly, the rest of the part will cover below.

- <https://github.com/mesadhan/google-drive-app>
- <https://github.com/mesadhan/google-drive-app/blob/master/README.md>

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sanyika05 · 31. Jan. 21

Hello Sadhan,

Thanks for this post.

Actually I copied the code that you provided and ran into an issue. After selecting the gmail account with which I would like to log in the app starts loading but never processes further...

In the logcat:

```
-I got this messages: E/MemoryLeakMonitorManager:
MemoryLeakMonitor.jar is not exist!
-E/Minikin: Could not get cmap table size!
```


I am just learning Java but I do want/need to learn Google Drive API for my Android app.

Could you pls help me out, if you have any thoughts on this issue?

Kind regards

Sandor

2 likes

Reply
- 


Sadhan Sarker · 1. Feb. 21

Sorry for the late response. I'm a little bit overwhelming right now. So you can check out this link below,

stackoverflow.com/questions/536854...

I think it's happening because of your android studio version, or API version, or Gradle check that and let me know.


1 like

Reply
- 

abharna · 31. März 20

for this github link i have error when i use the filepicker , how to get the fileid while we using filepicker in android studio

1 like

Reply
- 

Sadhan Sarker · 1. Feb. 21

Please it's not clear to me. What do you talking about? But if possible explain it briefly.

Add some screen short if possible. I think you are in a trouble to import that project. Please check your android studio version and API version.

1 like

Reply

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Timeless DEV post...

[Git Concepts I Wish I Knew Years Ago](#)

The most used technology by developers is not Javascript.


It's not Python or HTML.


It hardly even gets mentioned in interviews or listed as a pre-requisite for jobs.

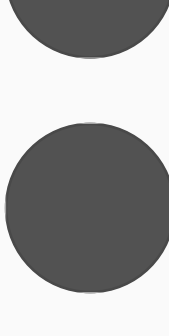
I'm talking about **Git** and **version control** of course.

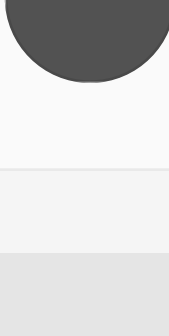
One does not simply learn git

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