



YALOVA UNIVERSITY



HUAWEI

Android Programming with Huawei Mobile Services

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WHAT WE DO TODAY

How to Use Git and Github?

- Sample Account Creation
- How to upload project explanation

How to Install HMS Core Toolkit?

- Installation HMS Core Toolkit
- Cloud Debugging
- Cloud Testing
- Sample Kit Integration Example

How To Use App Gallery Console(AGC) ?

- Main Developer Page
- How to Use AGC UI?
- Create Sample Project
- General view for Kit and Services



Music Player App

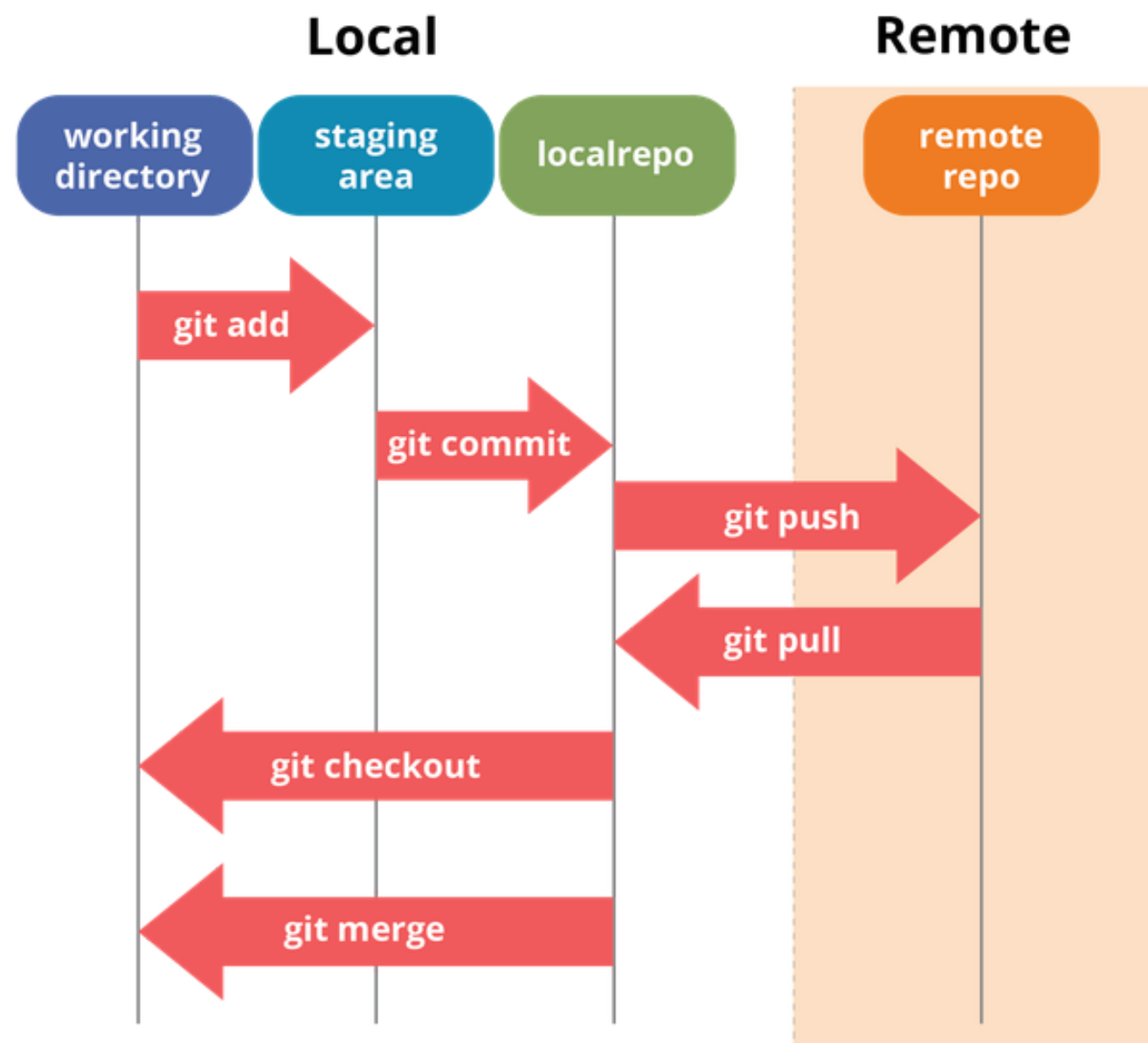
Who did it? (Chocolate Award)



Git (Get in Touch)

Learn Git!

Git is a free and open source distributed version control system designed to handle everything from small to very large projects with speed and efficiency.



Common Git Commands



- `$git config`
- `$git init`
- `$git clone <path>`
- `$git add <file_name>`
- `$git commit`
- `$git status`
- `$git remote`
- `$git checkout <branch_name>`
- `$git branch`
- `$git push`
- `$git pull`
- `$git merge <branch_name>`
- `$git diff`
- `$git reset`
- `$git revert`
- `$git tag`
- `$git log`

Companies & Projects Using Git

Google

FACEBOOK

Microsoft

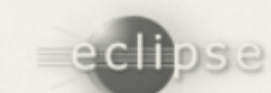


LinkedIn

NETFLIX

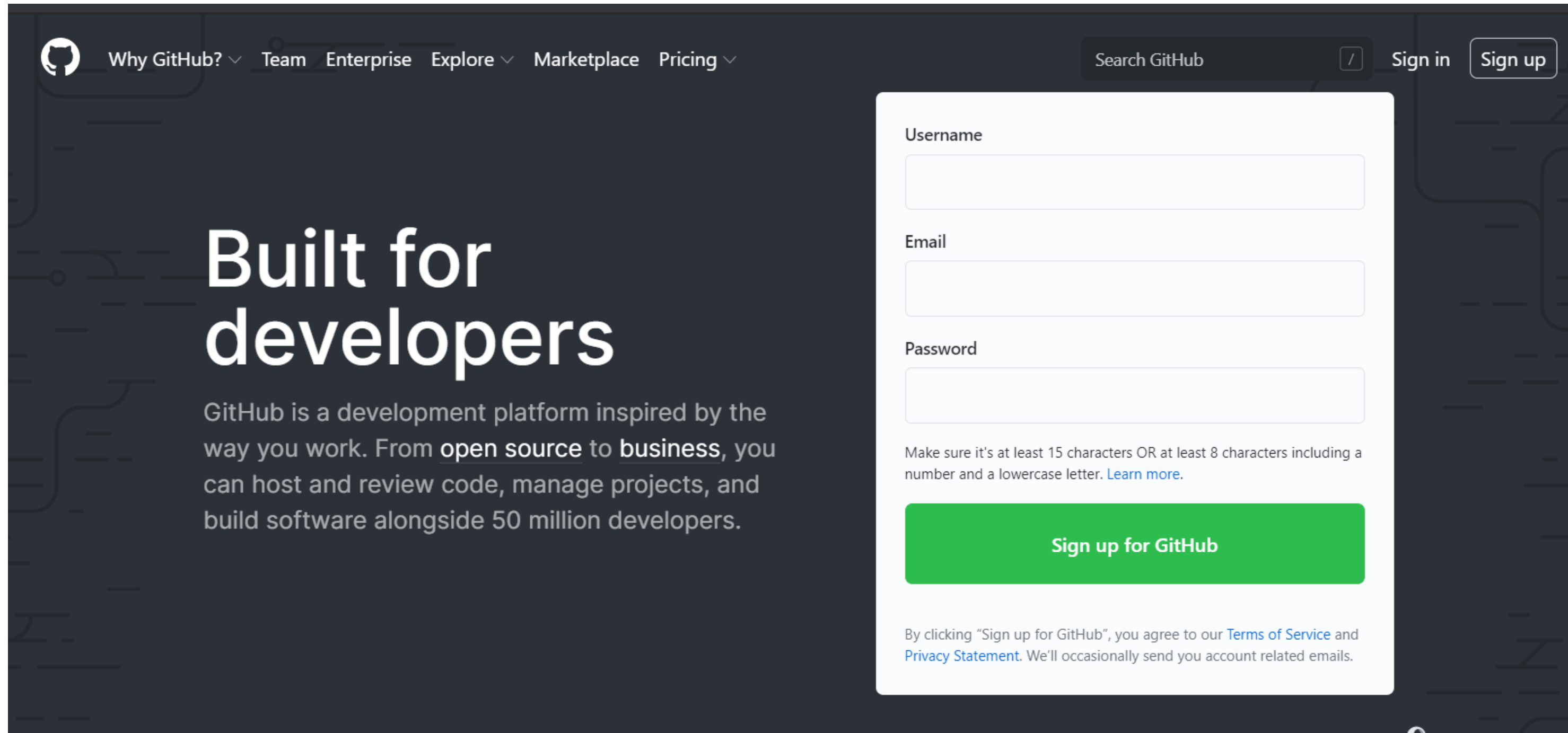


PostgreSQL



Account Creation and First Repo

<https://github.com/>

A screenshot of the GitHub website's sign-up page. The background is dark grey with a faint, light grey pattern of lines and dots. On the left, the text "Built for developers" is prominently displayed in white. Below it, a paragraph describes GitHub as a development platform. On the right, a white sign-up form is centered. The form includes fields for "Username", "Email", and "Password", each with a light grey border. Below the password field, there is a note about password requirements and a link to "Learn more". A large green button labeled "Sign up for GitHub" is positioned below the form. At the bottom of the form, a small line of text states that by signing up, the user agrees to the Terms of Service and Privacy Statement.

Why GitHub? ▾ Team Enterprise Explore ▾ Marketplace Pricing ▾

Search GitHub / Sign in Sign up

Built for developers

GitHub is a development platform inspired by the way you work. From open source to business, you can host and review code, manage projects, and build software alongside 50 million developers.

Username

Email

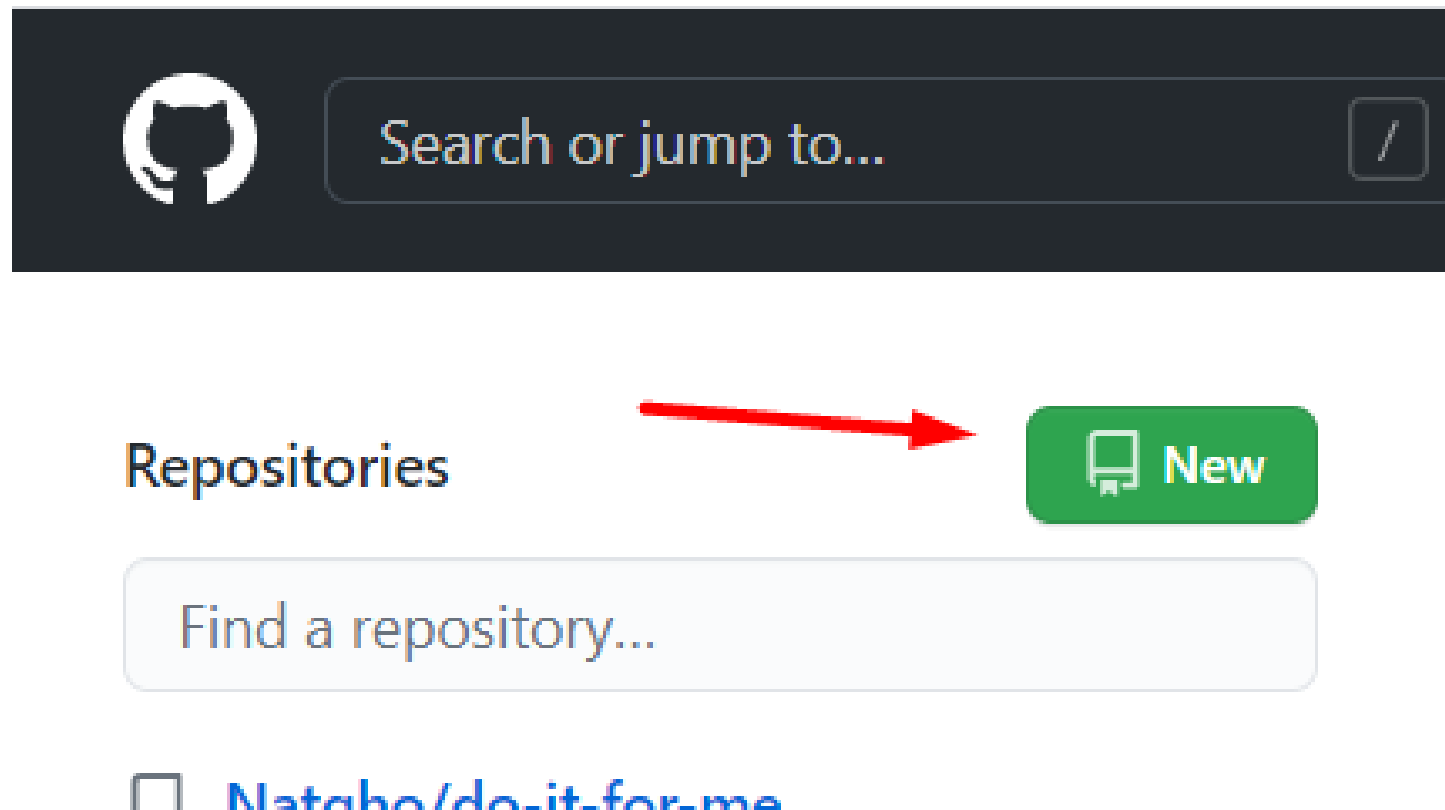
Password

Make sure it's at least 15 characters OR at least 8 characters including a number and a lowercase letter. [Learn more.](#)

Sign up for GitHub

By clicking "Sign up for GitHub", you agree to our [Terms of Service](#) and [Privacy Statement](#). We'll occasionally send you account related emails.

First Repo



Create a new repository on the command line

```
touch README.md
git init
git add README.md
git commit -m "first commit"
git remote add origin https://github.com/seankross/womp.git
git push -u origin master
```

Push an existing repository from the command line

```
git remote add origin https://github.com/seankross/womp.git
git push -u origin master
```

Some usefull Hints for Music Player

How to play musics?

<https://developer.android.com/guide/topics/media/mediaplayer>

How to Access local mp3 files?

```
String uri = "android.resource://" + getPackageName() + "/raw/" + musicList.get(musicOrder);
```

How to get raw file list in Android?

<https://stackoverflow.com/questions/25828121/get-file-list-in-android-raw-resource-directory-from-code>



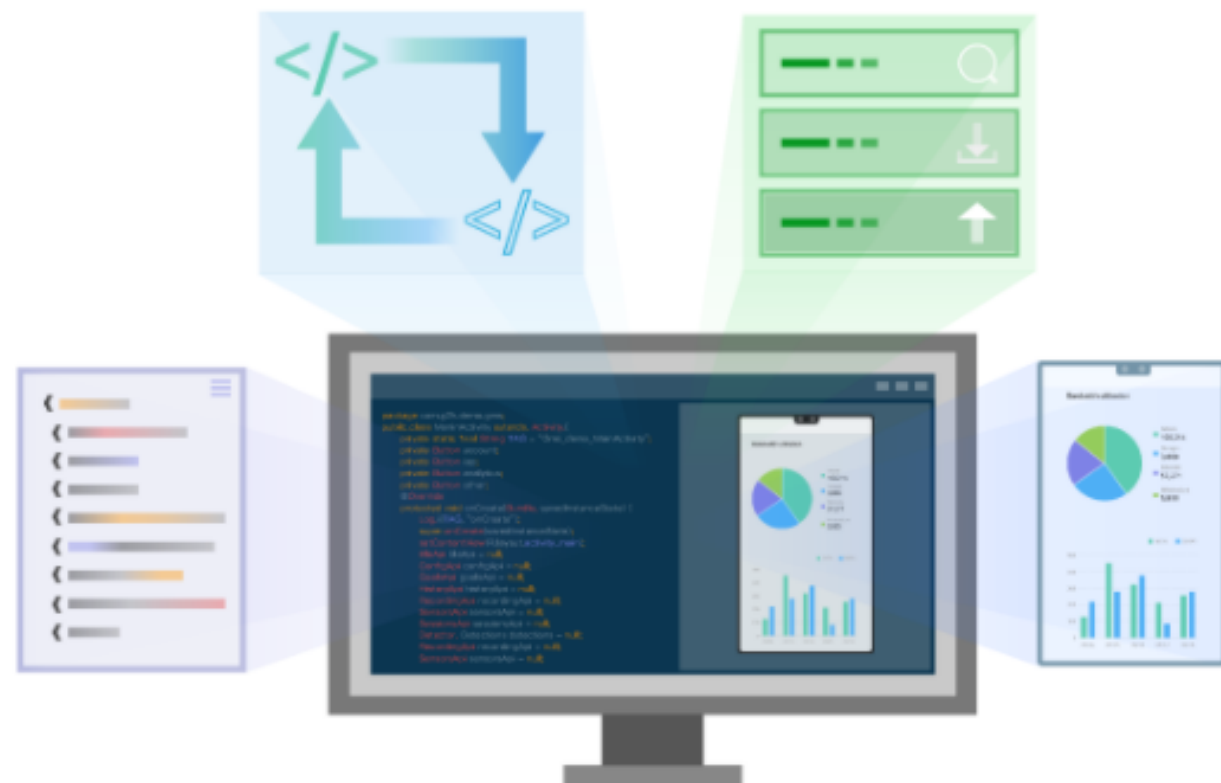


HMS Core Toolkit

HMS Core Toolkit

This IDE plug-in provides all the tools you need to develop your own HMS Core-integrated app (creation, coding, debugging, and testing) and release it in HUAWEI AppGallery.

[Download Link](#)



Convertor

Reuse your app code to run with HMS APIs.

Repository

View, import, and upgrade code in HMS Core service repositories.

Coding Assistant

Use drag-and-drop APIs with clear descriptions and code snippets and templates for every scenario.

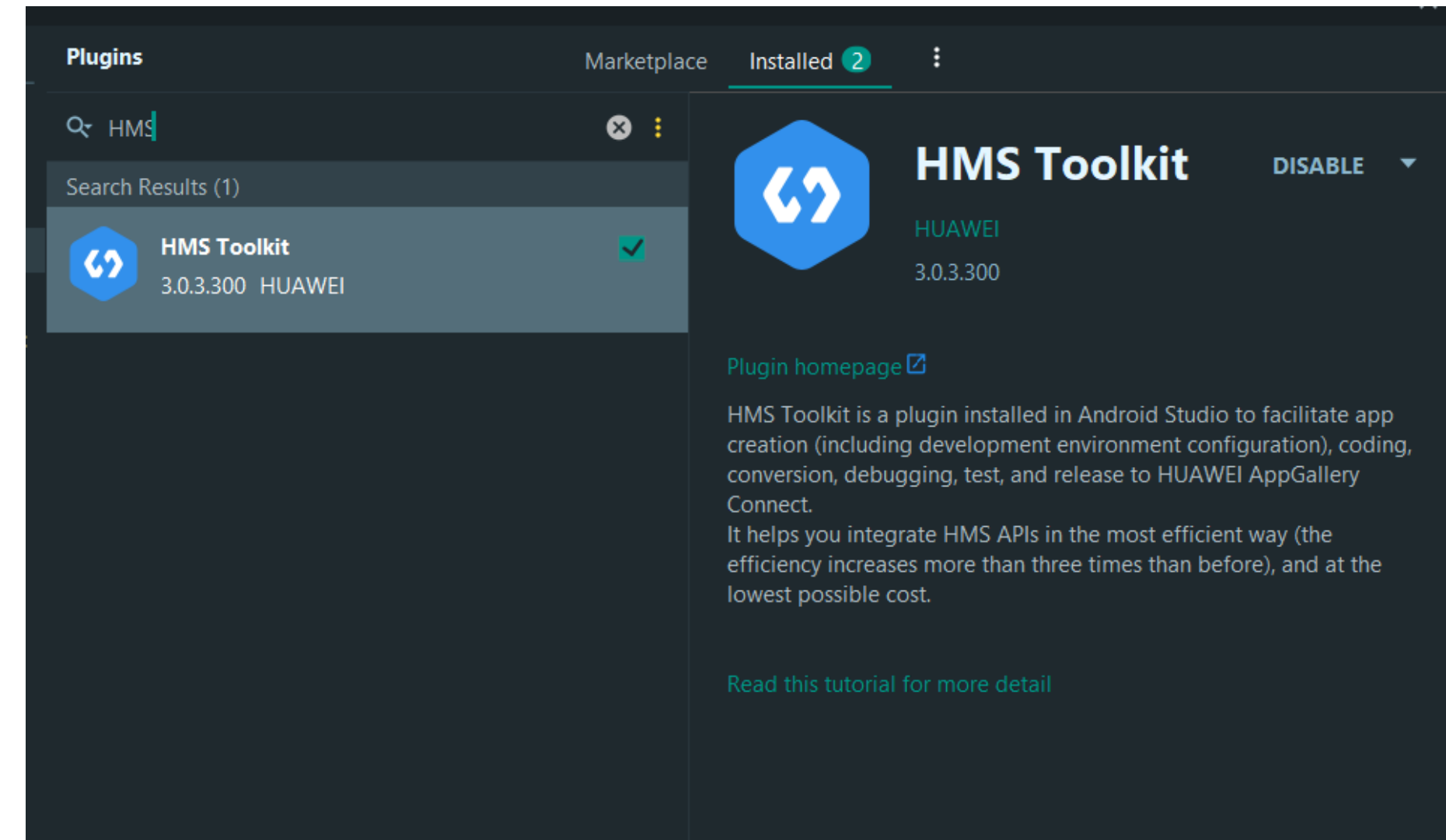
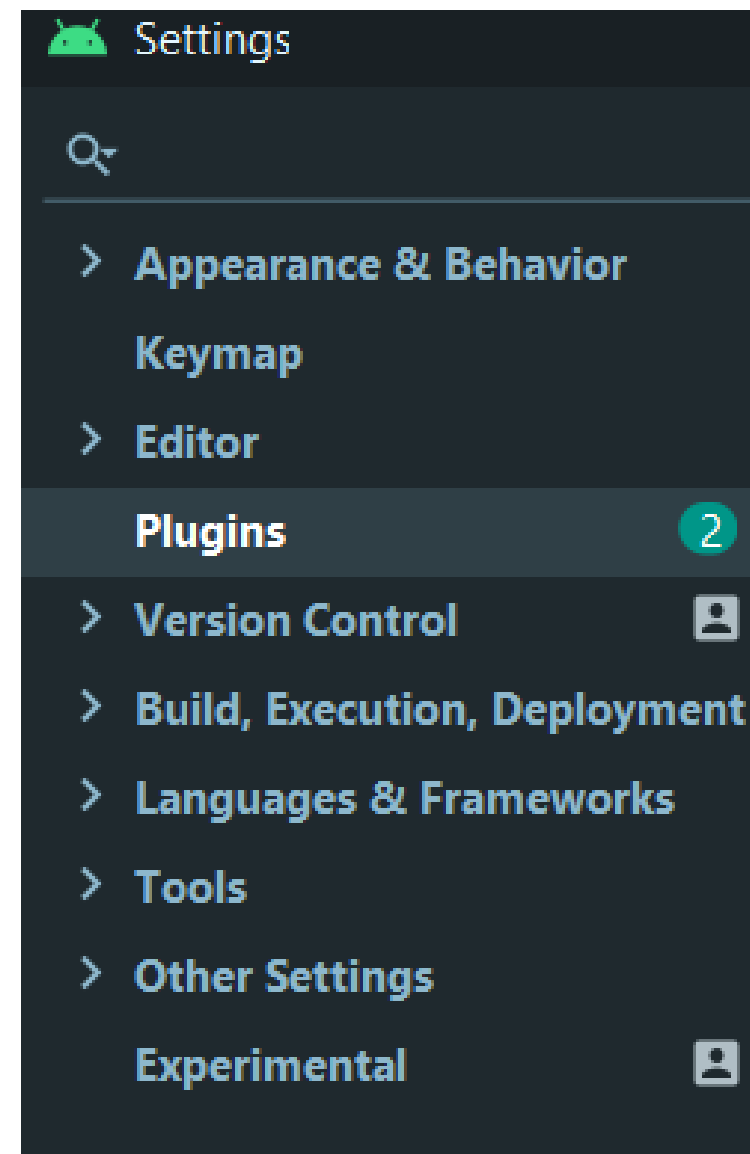
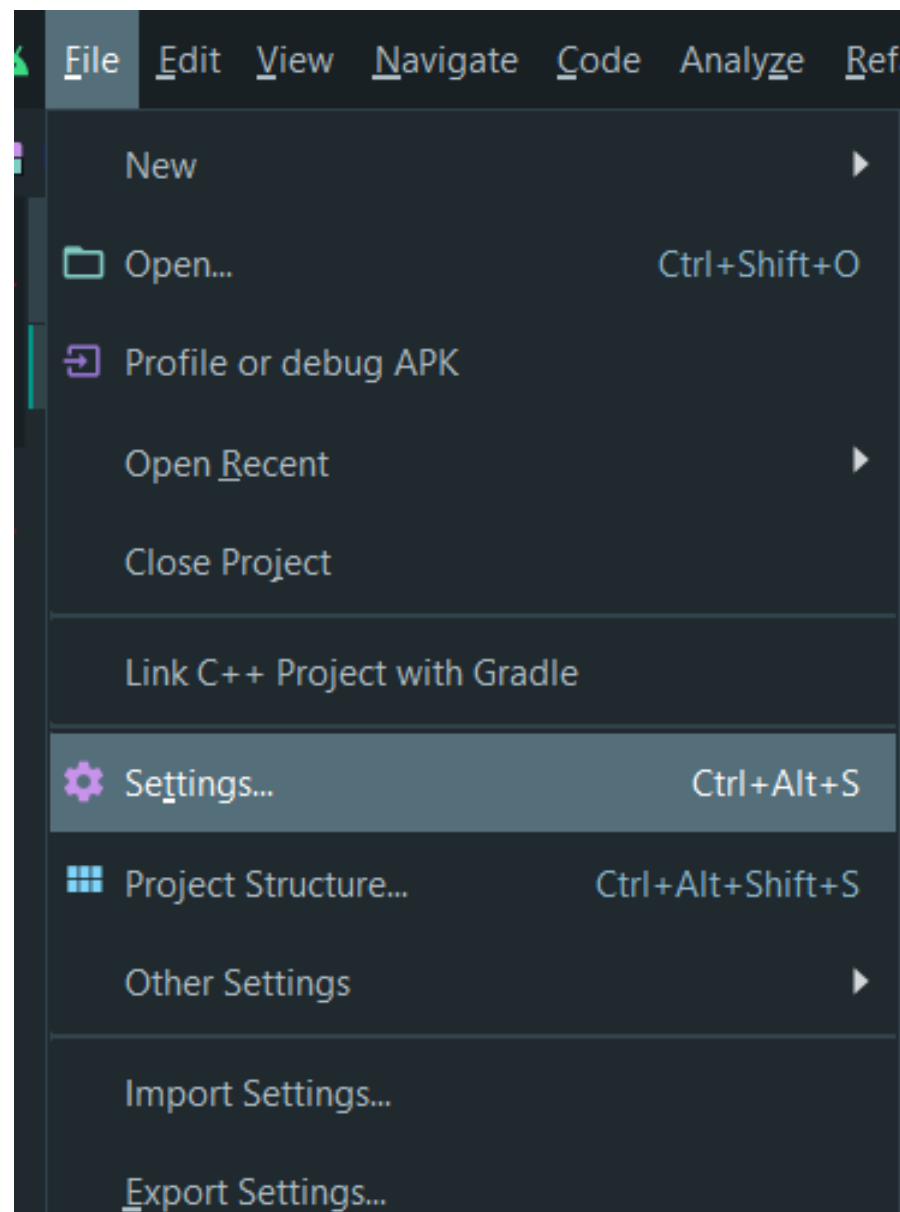
Cloud Debugging

Connect 24/7 free-of-charge to any HUAWEI/HONOR phone in one click.

HMS Core Toolkit

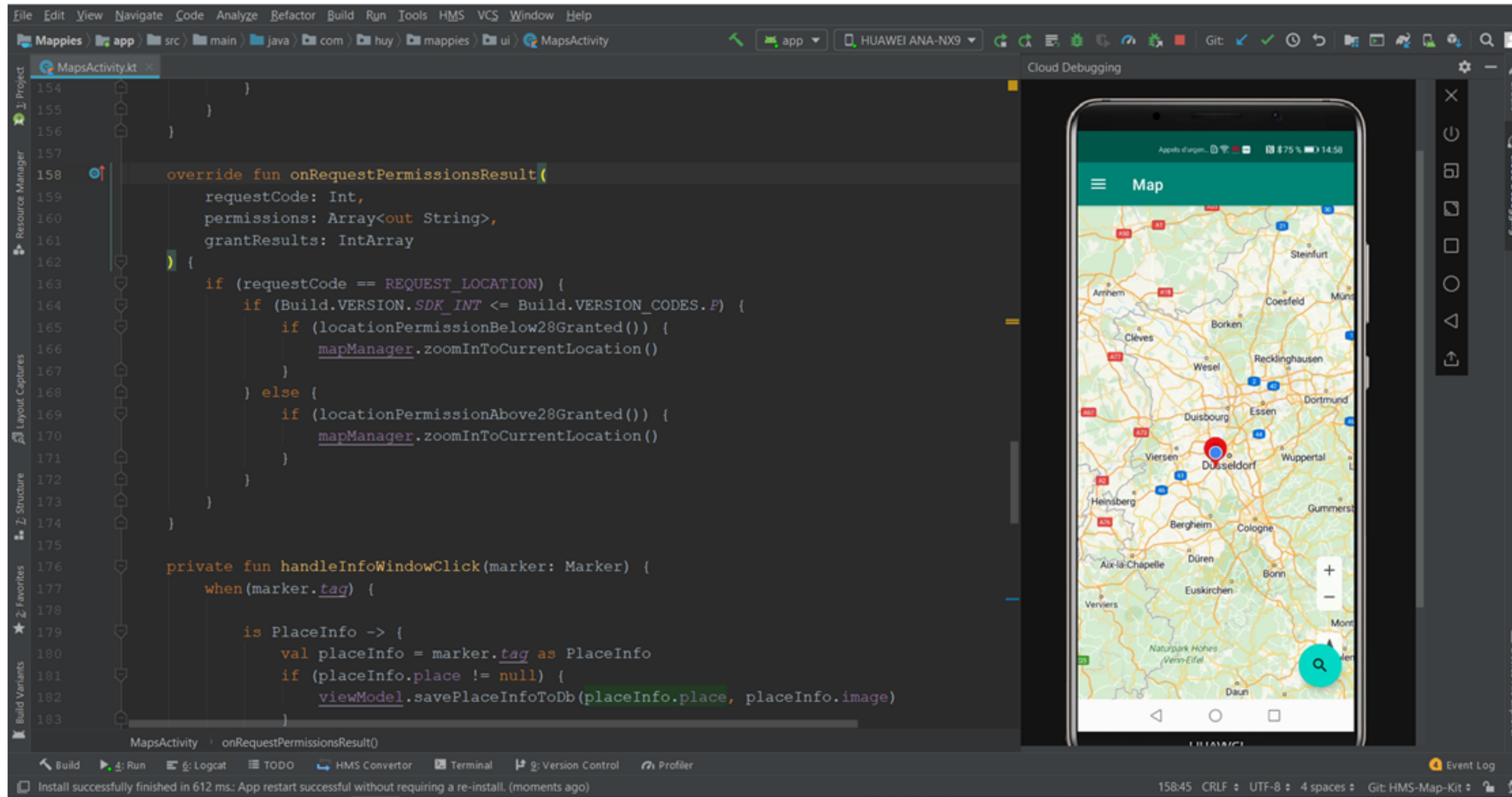
How to Install?

- 1) Download from Website
- 2) Install from Plugins



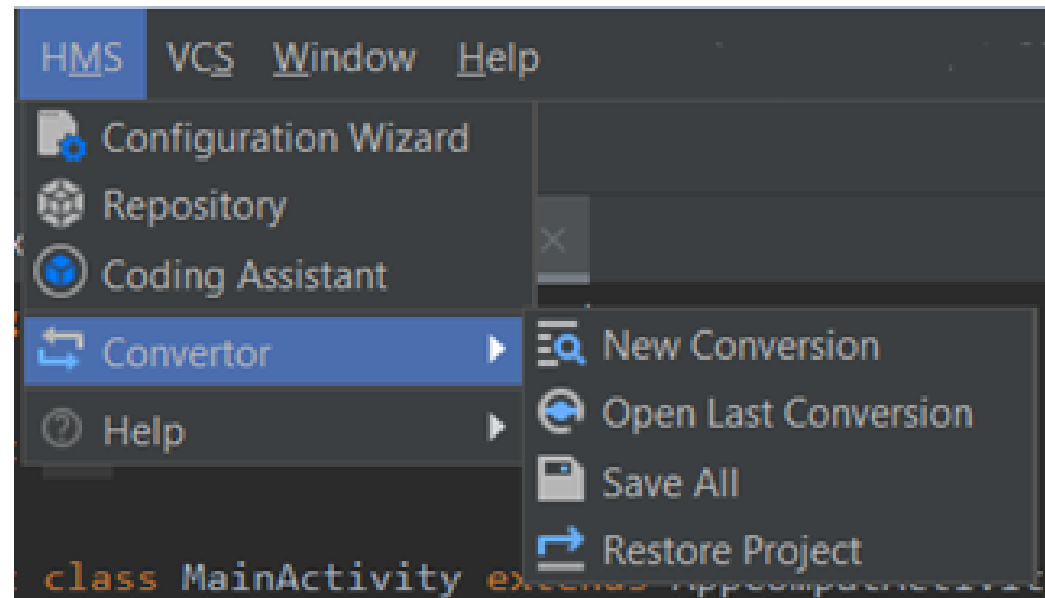
HMS Core Toolkit

Cloud Debugging in Android Studio

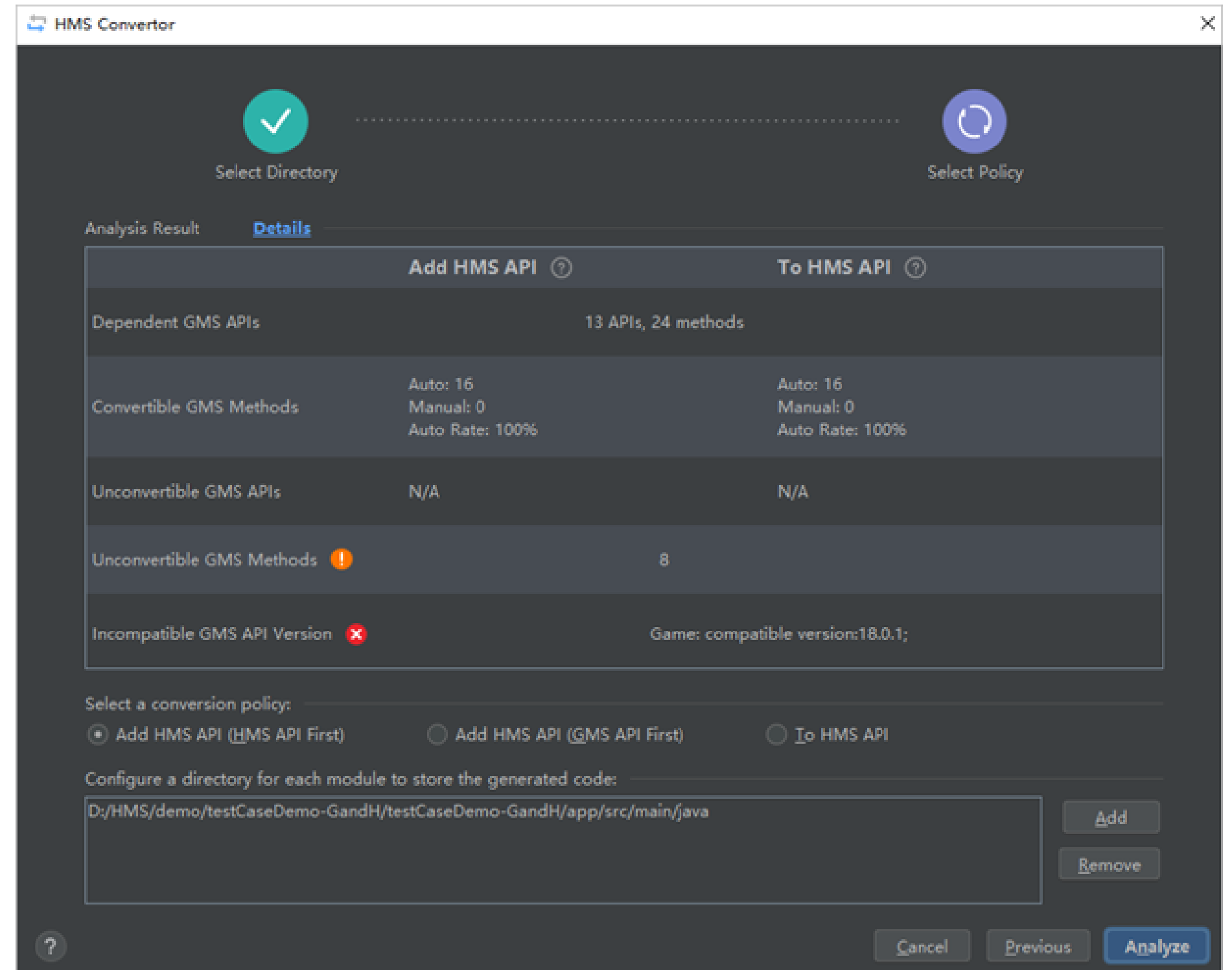


HMS Core Toolkit

HMS Toolkit Convertor



HMS Convertor is part of HMS Toolkit, allows developers to use the existing Android code projects that depend on GMS to access HMS with higher efficiency and lower costs.



HMS Core Toolkit

HMS Convertor Solution (G+H/G2H)

XMS Interface

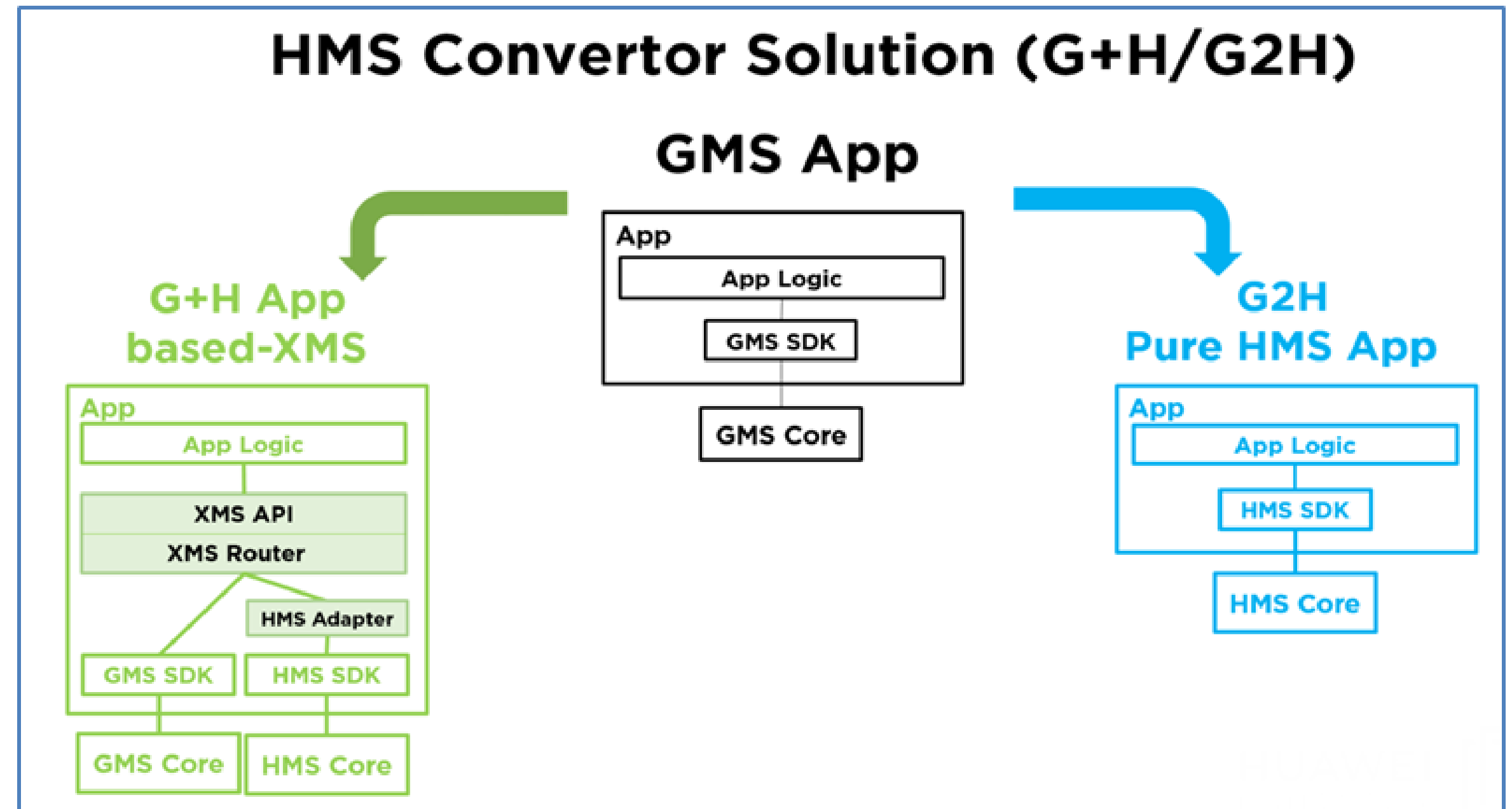
The tool automatically generates a value based on the standard GMS API and generates a 1:1 encapsulation API. The tool changes the GMS API to be called in the original project code to the XMS API.

XMS Router

The tool automatically generates XMS API encapsulation code based on the routing policies selected by developers.

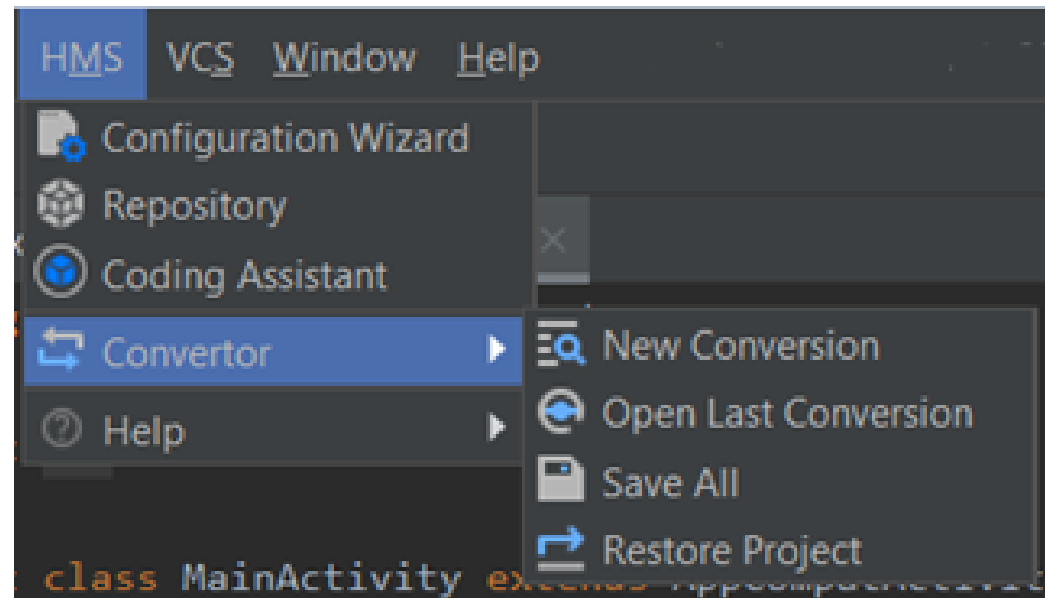
HMS Adapter

The tool automatically generates an adapter to be compatible with the differences between the XMS API and HMS API and calls the HMS function.

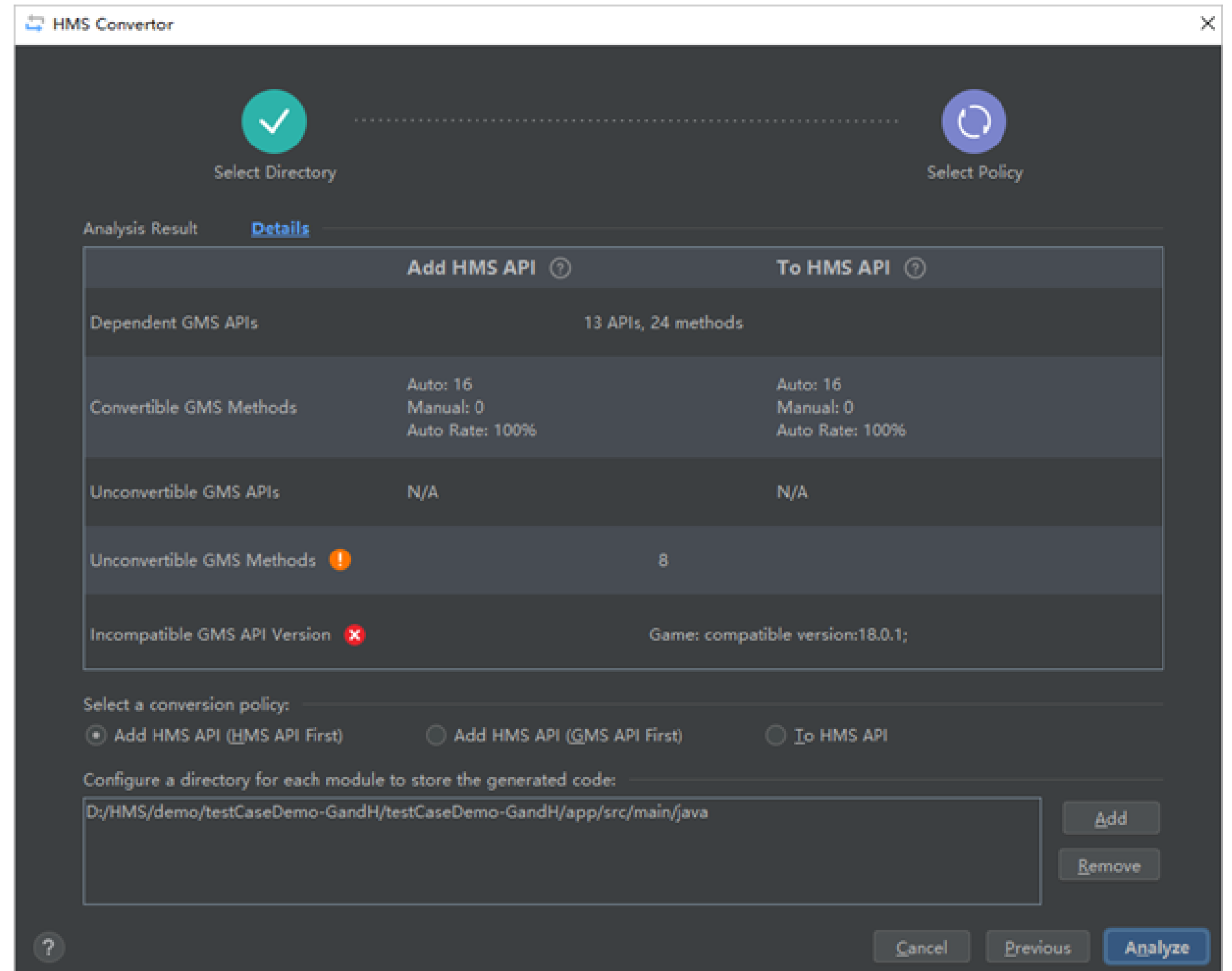


HMS Core Toolkit

HMSToolkit Convertor

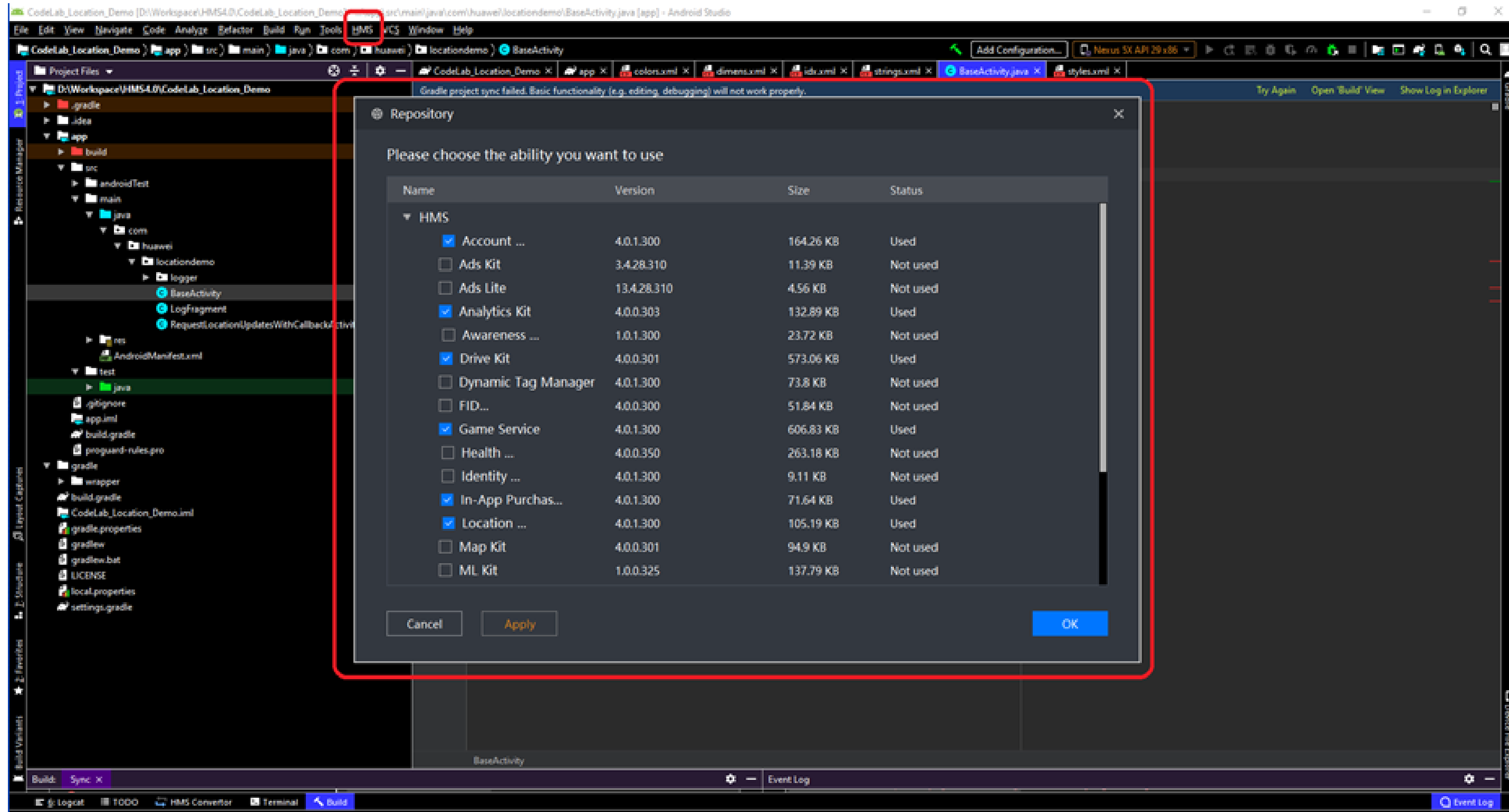


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HMS Core Toolkit

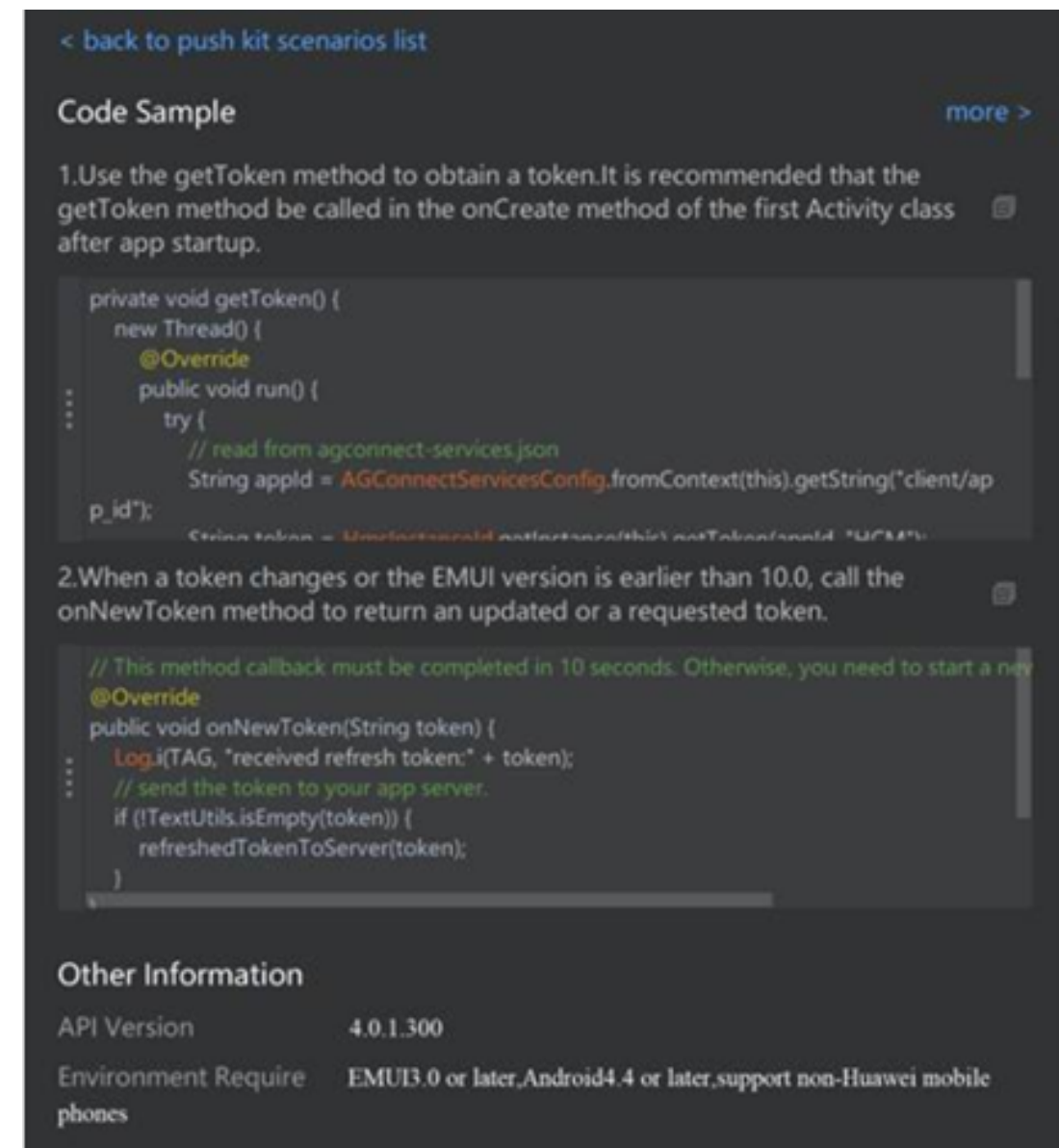
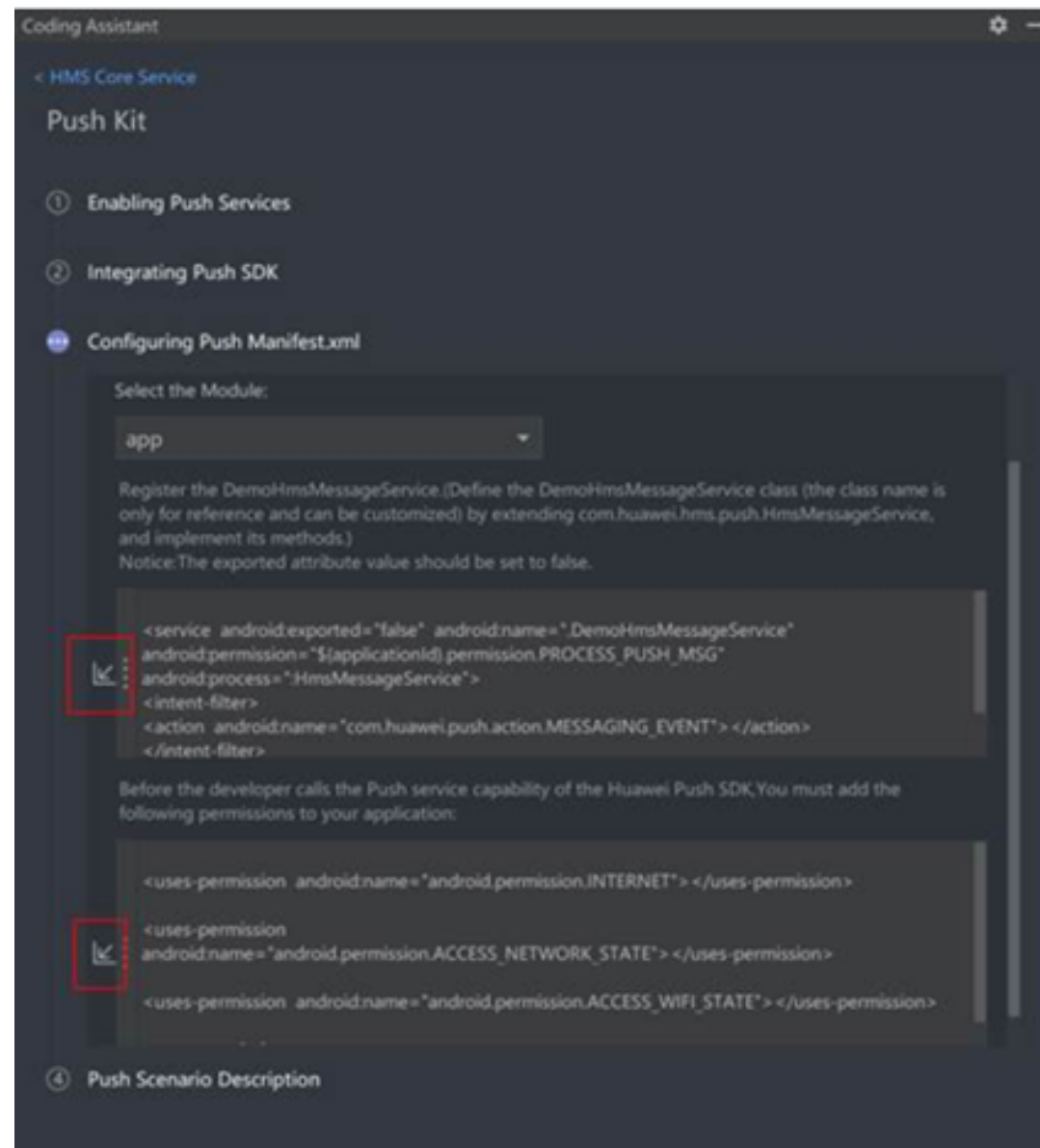
HMS Toolkit Repository



HMS Core Toolkit

HMS Toolkit Coding Assistant

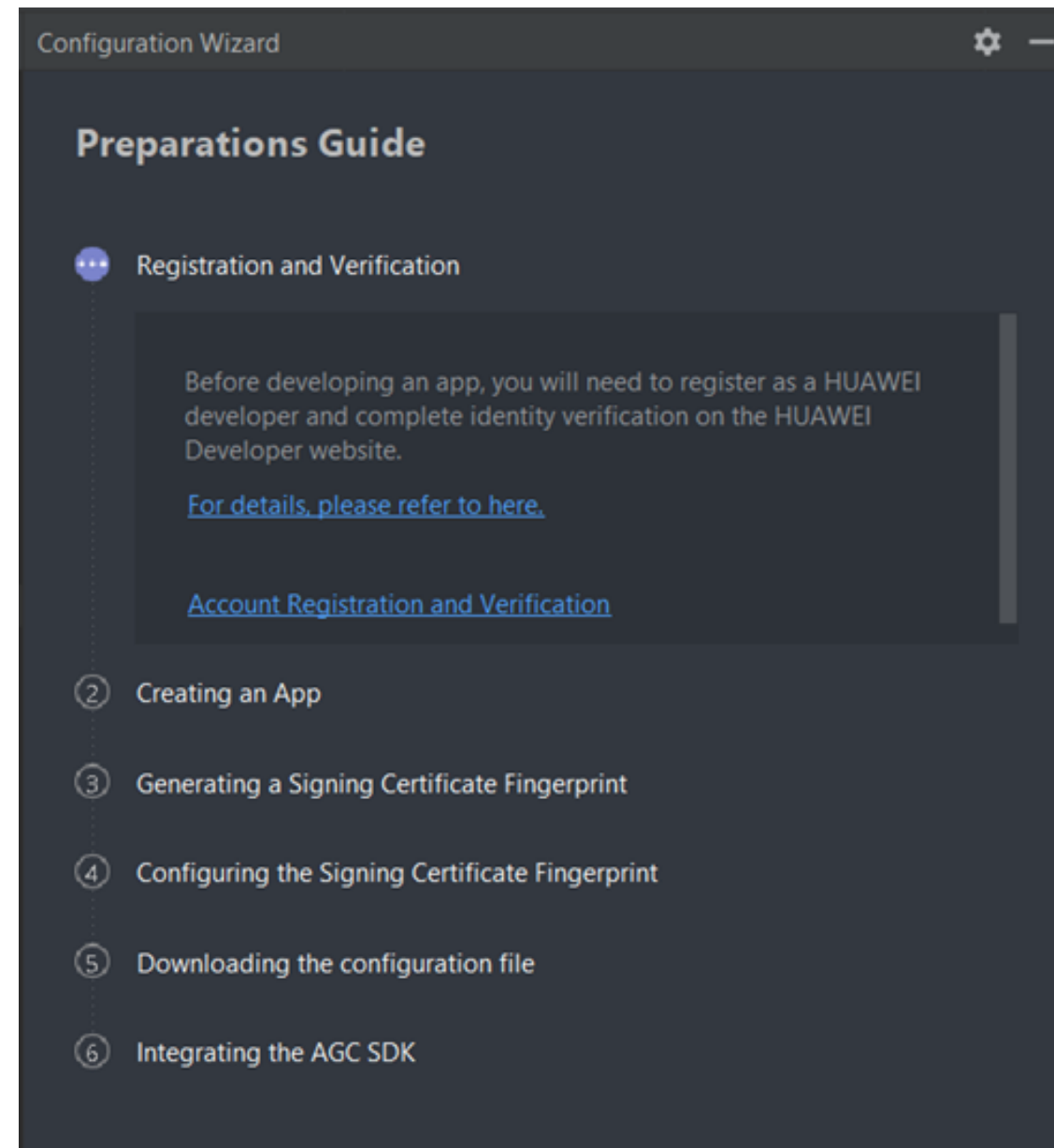
Coding Assistant provides API references and code samples of HMS open capabilities. You can drag or copy the sample code into the source code file. Go to HMS > Coding Assistant or click the icon shown in the following figure to open HMS Assistant.



HMS Core Toolkit

HMS Toolkit Configuration Wizard

Configuration wizard that is part of HMS toolkit helps developer to HMS integration process. It describes everything for integration step by step. ([Details](#))





How To Use App Gallery Console(AGC) ?

App Gallery Console

AGC

Main Developer Page:

<https://developer.huawei.com/consumer/en/>

How to Use AGC UI?:

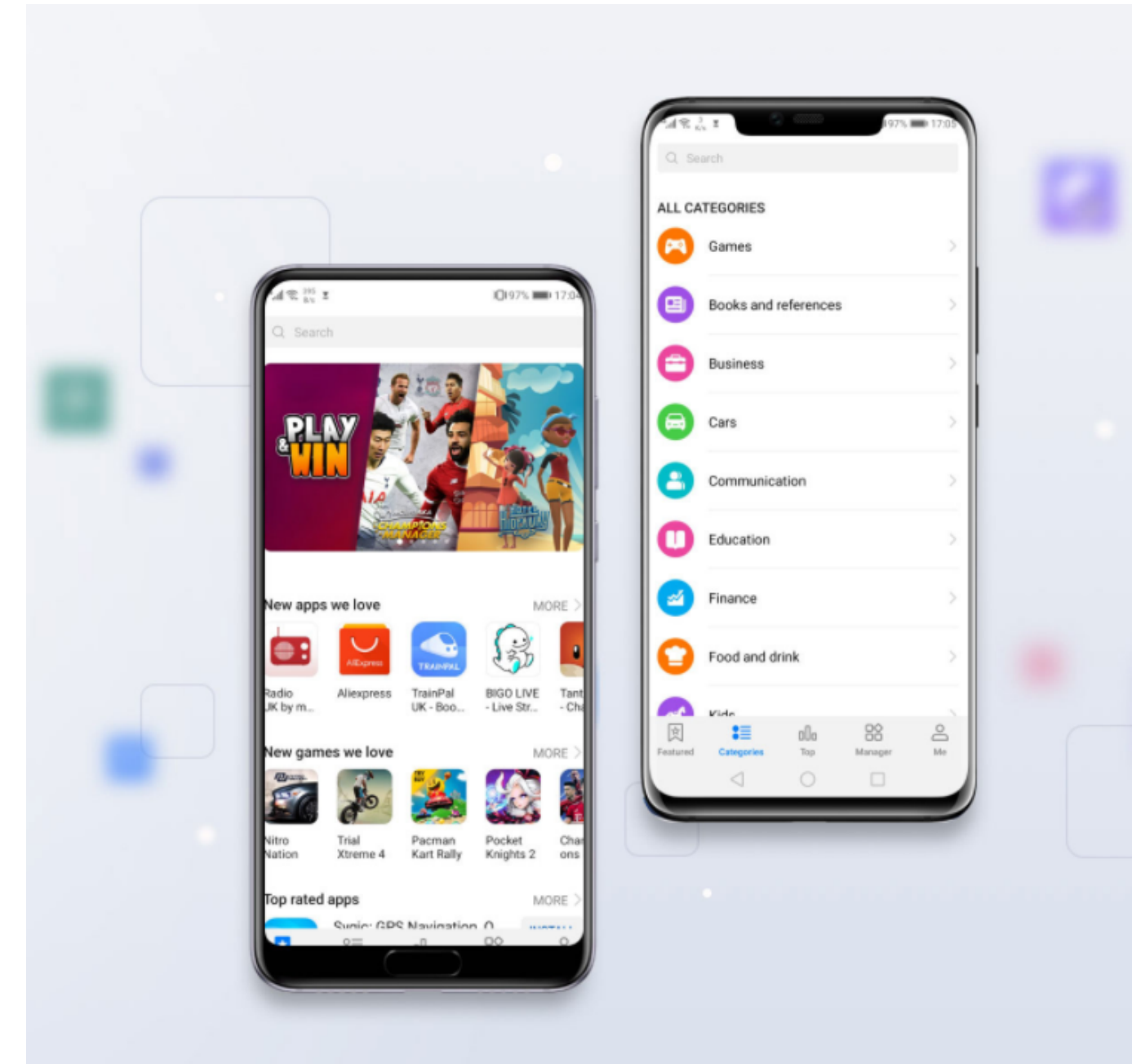
<https://developer.huawei.com/consumer/en/console#/serviceCards/>

Create Sample Project:

<https://developer.huawei.com/consumer/en/appgallery>

General view for Kit and Services:

<https://developer.huawei.com/consumer/en/hms#hmsCoreBox>





LET'S TALK

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