



YALOVA UNIVERSITY



HUAWEI

Android Programming with Huawei Mobile Services

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W10: ANDROID

- **Mobile Ecosystem**
- **Huawei Mobile Services**
 - **For End Users**
 - **For Developers (HMS Core, AGC)**
- **Using HMS Kits Example**

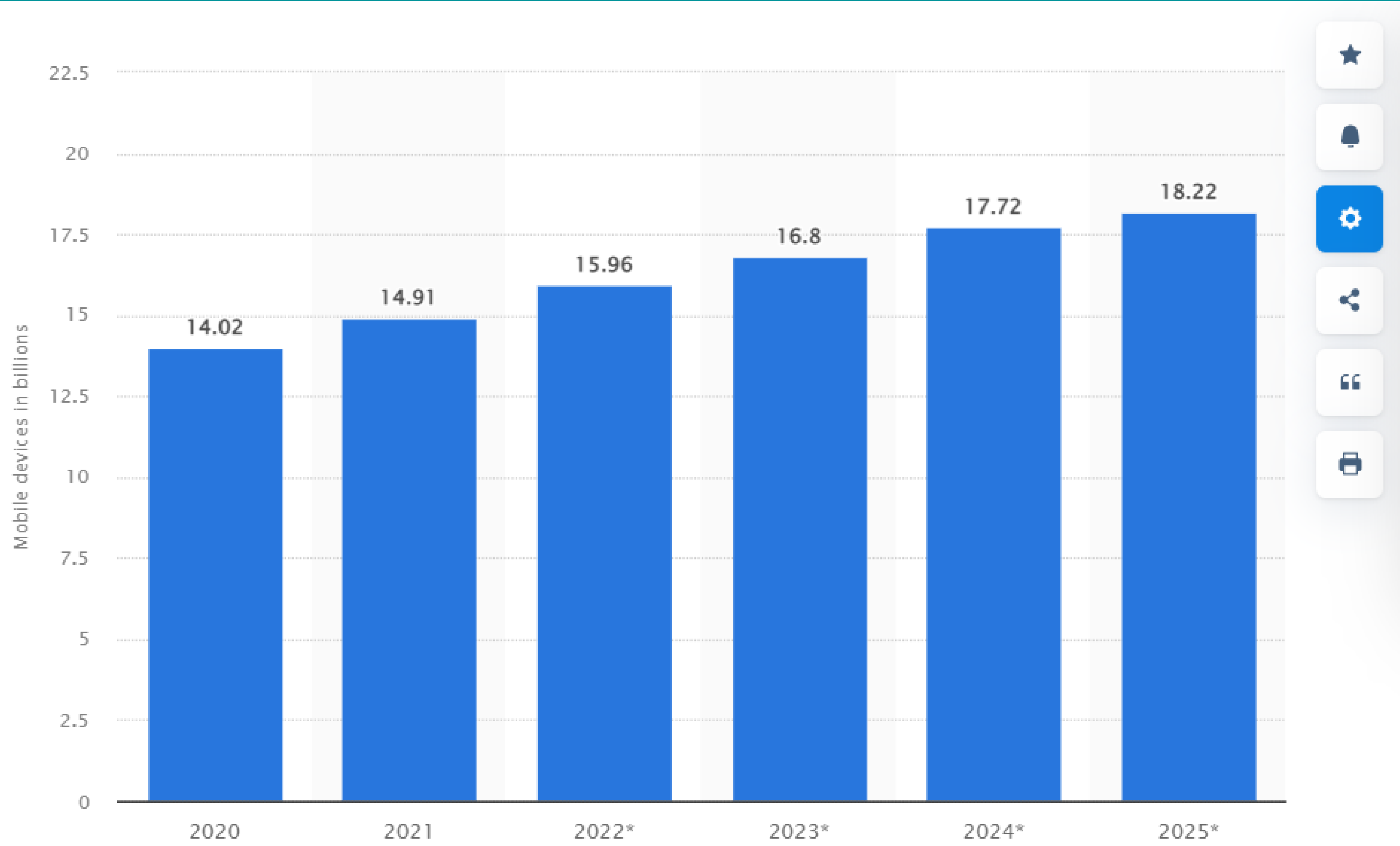


Mobile Ecosystem

<https://www.statista.com/statistics/245501/multiple-mobile-device-ownership-worldwide/>

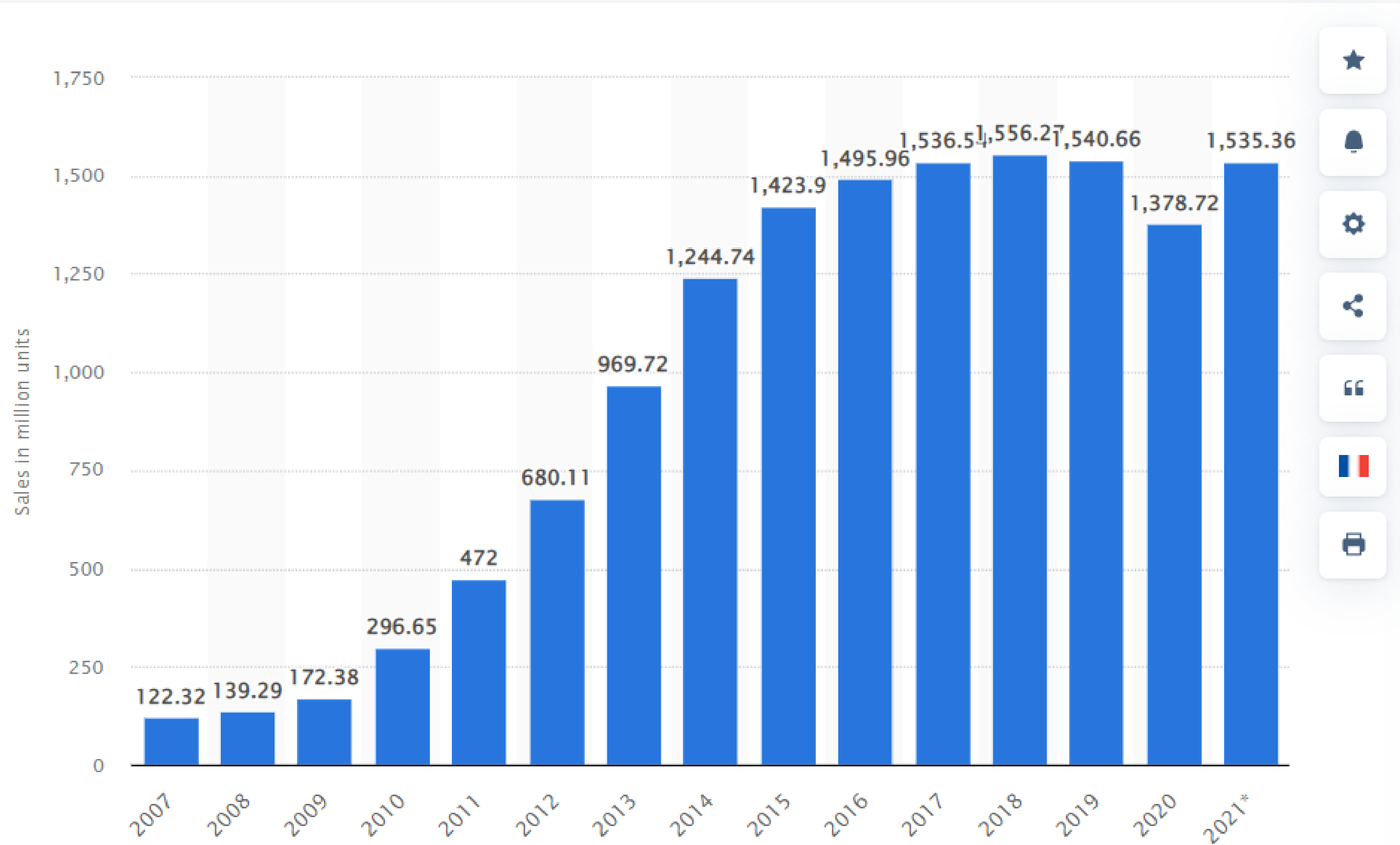
<https://www.statista.com/statistics/263437/global-smartphone-sales-to-end-users-since-2007/>

Forecast number of mobile devices worldwide from 2020 to 2025 (in billions)



Number of smartphones sold to end users worldwide from 2007 to 2021

(million)





Huawei Mobile Services

- For End Users
- For Developers
 - HMS Core
 - AGC)

<https://consumer.huawei.com/tr/mobileservices/>

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

<https://developer.huawei.com/consumer/en/service/josp/agc/index.html#/>

<https://developer.huawei.com/consumer/en/doc/development/HMSCore-Guides/introduction-0000001050048870>

For End Users



AppGallery



HUAWEI GameCenter



HUAWEI Music



HUAWEI Video



HUAWEI Books



HUAWEI Themes



HUAWEI ID



Petal Search



HUAWEI Mobile Cloud



HUAWEI Browser



Petal Maps



Wallet



HUAWEI
Assistant·TODAY




HUAWEI Health


For Developers - HMS Core


Overview of HMS Core


HMS Core enables quick access so developers can focus on innovation


Development


Account Kit


Location Kit


Drive Kit

Scan Kit

Game Service


Map Kit


Quick App

Safety Detect

.....


Growth


Push Kit

Analytics Kit

.....

Monetization

Ads Kit

In-App Purchases

.....

HC

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App Services

- Account Kit
- Ads Kit
- Analytics Kit
- App Linking
- Awareness Kit
- Drive Kit
- Dynamic Tag Manager
- Game Service
- Health Kit
- Identity Kit
- In-App Purchases
- Location Kit
- Map Kit
- Push Kit
- Quick App
- Scan Kit
- Search Kit
- Site Kit
- Wallet Kit



AI

- ML Kit
- HUAWEI HiAI Foundation
- HUAWEI HiAI Engine
- HUAWEI HiAI Service



Media

- Audio Editor Kit
- Audio Engine
- Audio Kit
- AV Pipeline Kit
- Camera Engine
- Image Kit
- Panorama Kit
- Video Editor Kit
- Video Engine
- Video Kit
- WisePlay DRM



Smart Device

- CaaS Engine
- Cast Engine
- DeviceVirtualization Engine
- OneHop Engine
- Share Engine
- Wear Engine



Graphics

- 3D Modeling Kit
- Accelerate Kit
- AR Engine
- Computer Graphics Kit
- GameTurbo Engine
- Scene Kit



Security

- FIDO
- Keyring
- Safety Detect
- DataSecurity Engine
- LocalAuthentication Engine



System

- 5G Modem Kit
- HEM Kit
- hQUIC Kit
- MDM Engine
- Nearby Service
- Network Kit
- Wireless Kit

For Developers - App Gallery Connect



Cloud Debugging

Test your app on any Huawei device remotely to have the same testing experience on a local real device.

[Learn more](#) | [Watch video](#) [Use now](#)



Paid apps

View information about how many users have paid to get your app, and use that to get more of them.

[Learn more](#) [Use now](#)



Push Kit

Reach target users by pushing real-time messages to their devices efficiently.

[Learn more](#) | [Watch video](#) [Use now](#)



Cloud Storage



Provide scalable, hassle-free mass cloud storage that features security, reliability, and direct...

[Learn more](#) [Watch video](#)



Cloud Hosting



Deploy your static and dynamic web pages in one click for your users to access these web pages...

[Learn more](#) [Watch video](#)



Wallet Kit

Access Huawei's full-stack technologies that span chips, devices, and clouds for easy-to-access digital passes on a central platform and...

[Learn more](#) [Use now](#)



Cloud Testing

Automatically verify app compatibility, stability, performance, and power consumption remotely and generate reports for you to improve app...

[Learn more](#) | [Watch video](#) [Use now](#)



Release

Gain exposure for your app to any device worldwide and for any use case.

[Learn more](#) [Use now](#)



App Bundle Distributi...



Provide the same experience for your users with a smaller app size and get access to dynamic...

[Learn more](#)



Relational Database S...



Relational Database Service (RDS) for MySQL, PostgreSQL, and SQL Server, is built on Huawei's years...



A/B Testing



Give one version to one group and the other version to another to measure your app performan...

[Learn more](#) [Watch video](#)



App Messaging



Send proactive, relevant messages to users on your app to encourage them to use key app...

[Learn more](#) [Watch video](#)



Remote Configuration



Integrate the client SDK for cloud-based control to keep your app working and looking fresh.

[Learn more](#) [Watch video](#)



HUAWEI Analytics



Get insights into your products and content and analyze how your users behave using a full...

[Learn more](#) [Watch video](#)

<https://developer.huawei.com/consumer/en/service/josp/agc/index.html#/>



Example

Example

<https://github.com/Explore-In-HMS/Explore-Landmarks>

<https://developer.huawei.com/consumer/en/service/josp/agc/index.html>

https://medium.com/huawei-developers-tr/android-uygulamalar%C4%B1n%C4%B1za-huawei-hms-core-entegre-edin-542476f58910?source=collection_home---4-----1-----

<https://github.com/cengiztoru/HMSCoreKits>



LET'S TALK

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Telegram Channel

will be created

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<https://developer.huawei.com>