



YALOVA UNIVERSITY



HUAWEI

Android Programming with Huawei Mobile Services

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HUAWEI

WHO ARE WE?



Huawei Turkey

Enterprise

- Since 2010
- One of First 17 R&D Center of Turkey
 - Huawei's 2nd largest office
- 520 Million TL Investment

Under the Hood

- Totally More than 1500 Engineers
- Currently 620 Engineer

Aspects

- Working Areas:
 - 5G
 - AI Technologies
 - HMS

Strategic Processes

- Cooperation with 100 Local Investors
- Collaboration with 15 Universities and 28 Academics

Academic Team



Sezer Yavuzer BOZKIR

DTSE



Muhammed Salih KARAKAŞLI

Senior Software Engineer



Cenk Faruk CAVGA

Senior Software Engineer

Introduction

- Mobile Ecosystem and Developer Earth
- Common questions
- Mobile Development Verticals
- What does HMS provide to Developers?
- HMS Core

Useful Documents

- Documentation and Guides
- HMS Core Kits Overview
- AppGalleryConnect Services Overview

Development Areas

- Developer Tools
- HMS Developer Account Registration

TODAYS TOPICS

NUMBERS MEAN A LOT

%56

5.1B

8/10

%49

3.2B

NUMBERS MEAN A LOT

%56

Internet access
(Internet World Stats)

5.1B

Mobile users
(We Are Social)

8/10

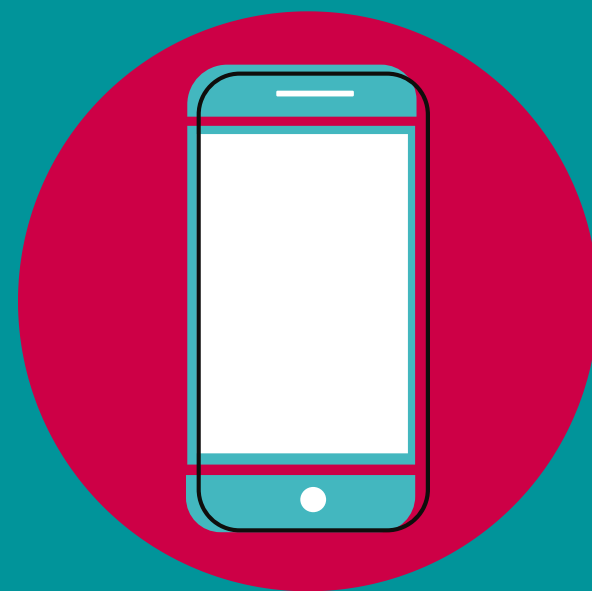
Online shoppers
(Pew Research Center)

%49

Mobile shopping
(Stat Counter)

3.2B

Smart Phone Users
(Statista)



What is mobile development in general?



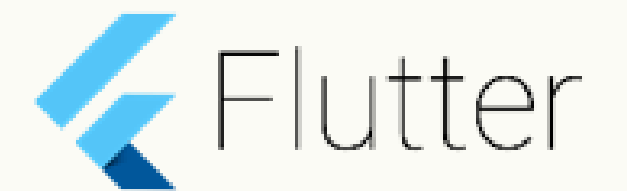
What Do Mobile Developers Do?



What are the Operating Systems in the Mobile Development System?



**Cross
Platform**





Which Technologies Are Commonly Used For Mobile Development?



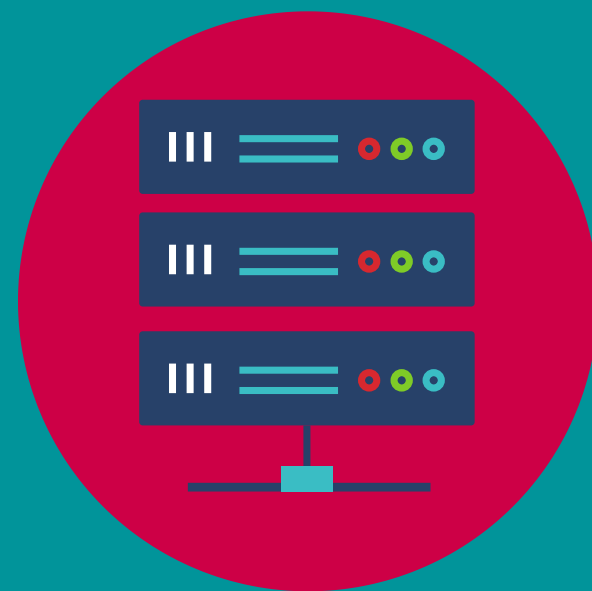
**What subjects do you need to
master over time to become a
Mobile Developer?**



What are the Mobile Development Steps?



What are the differences between Native Mobil Development and Cross Platform Mobile Development?



Why Service Uses Are Needed in Mobile Development?



**What are the services commonly
used in the industry?**



What is HMS?

LESSON PLAN

WEEKLY

1. Week

- Introduction of Mobile Ecosystem
- Huawei Turkey Office Introduction
- HMS Indroduction
- HMS Kits and Services
- Huawei Developer Account Registration

2. Week

- Java Basics
 - Data Types
 - Operators
 - Loops
 - Others
- Java OOP
 - Inheritance
 - Interfaces

3. Week

- Android Basics
- IDE Installation
- Application Components
 - Activities
 - Services
 - Content Providers

4. Week

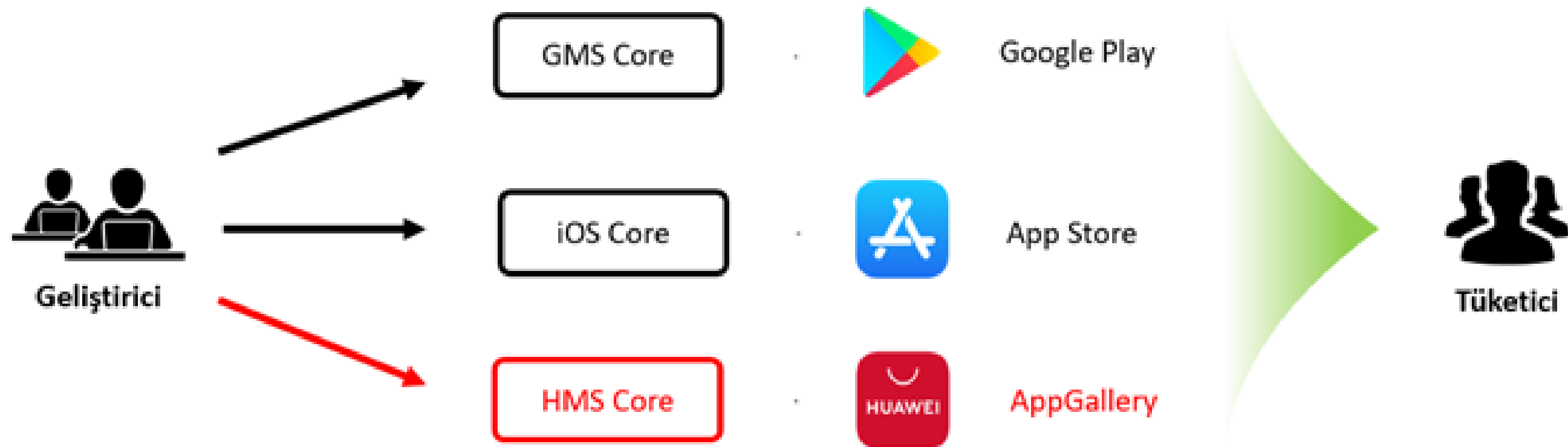
- Advanced Android Programming

5. Week

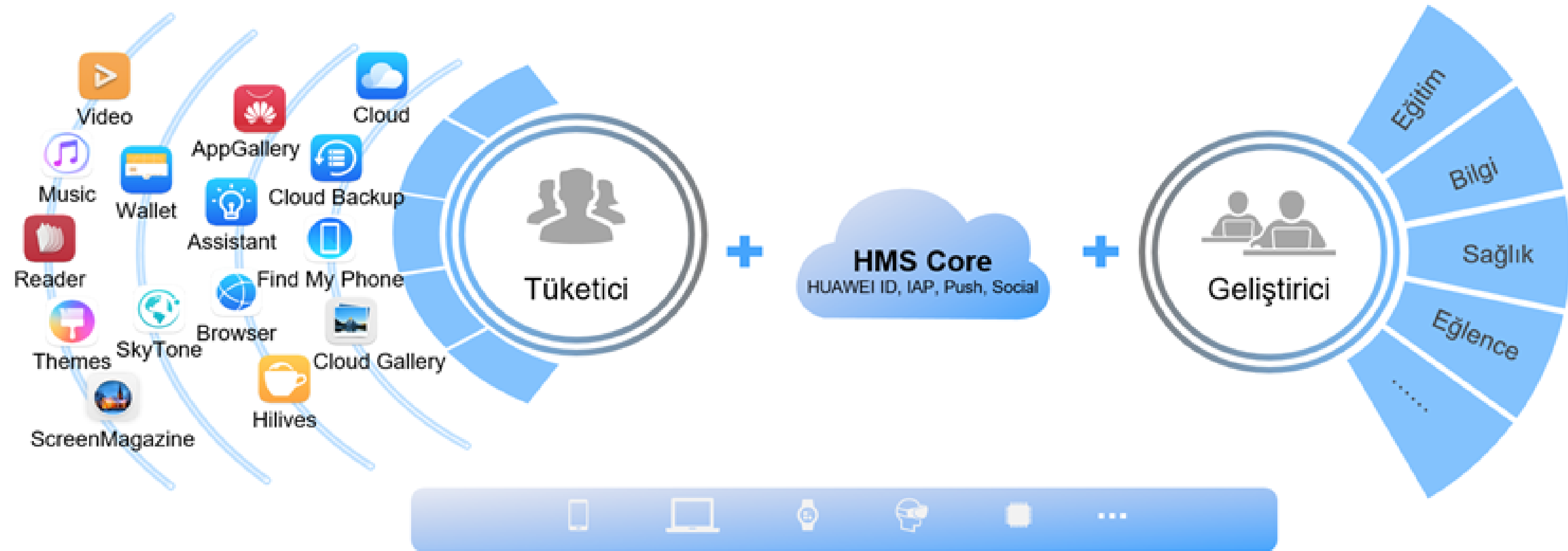
Presentations are communication tools that can be used as demonstrations, lectures, speeches, reports, and more.

HUAWEI MOBILE SERVICES

Huawei Cloud Service provide to developers quickly allows to

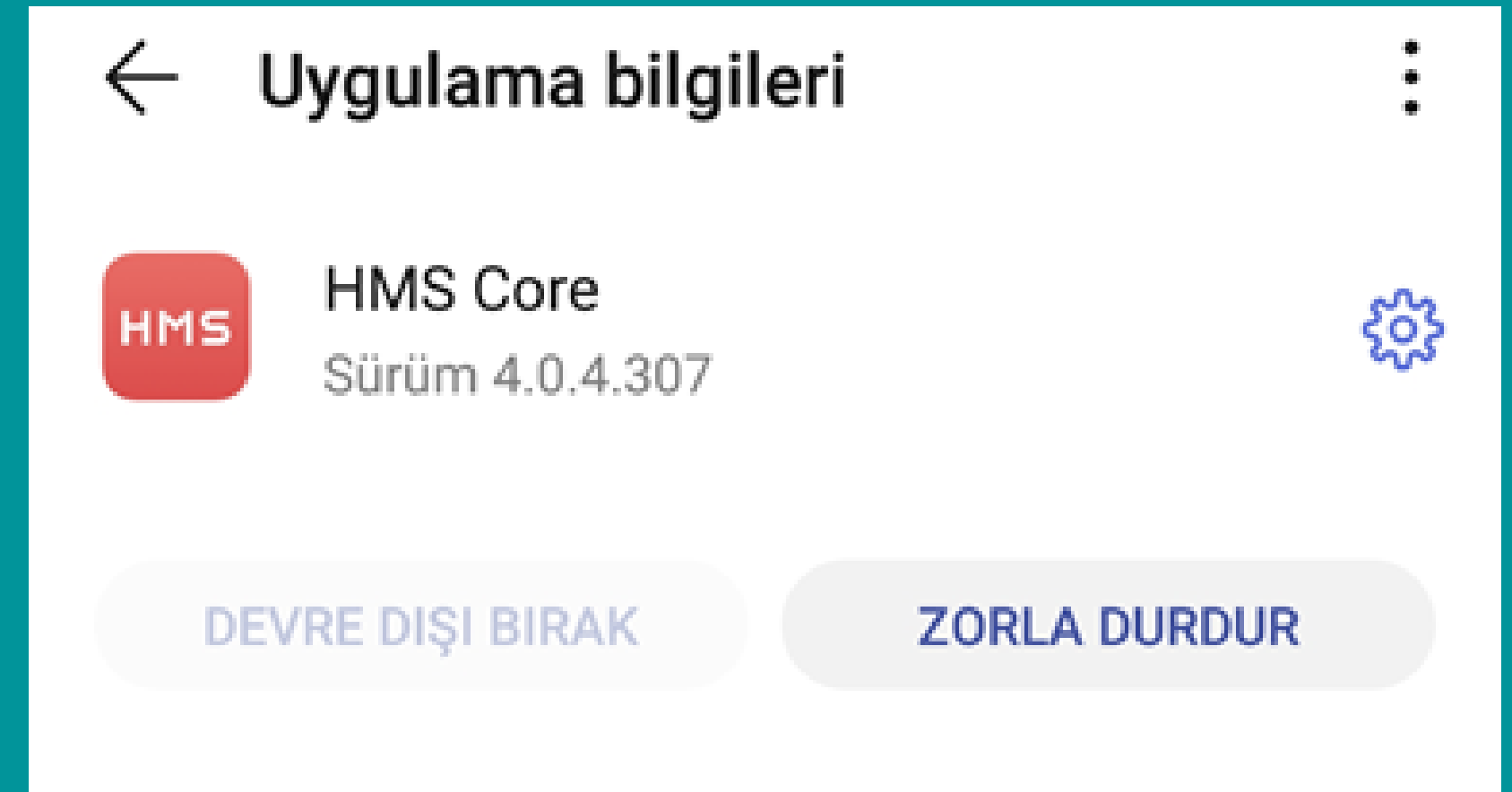


WHAT DOES HMS PROVIDE TO DEVELOPERS?

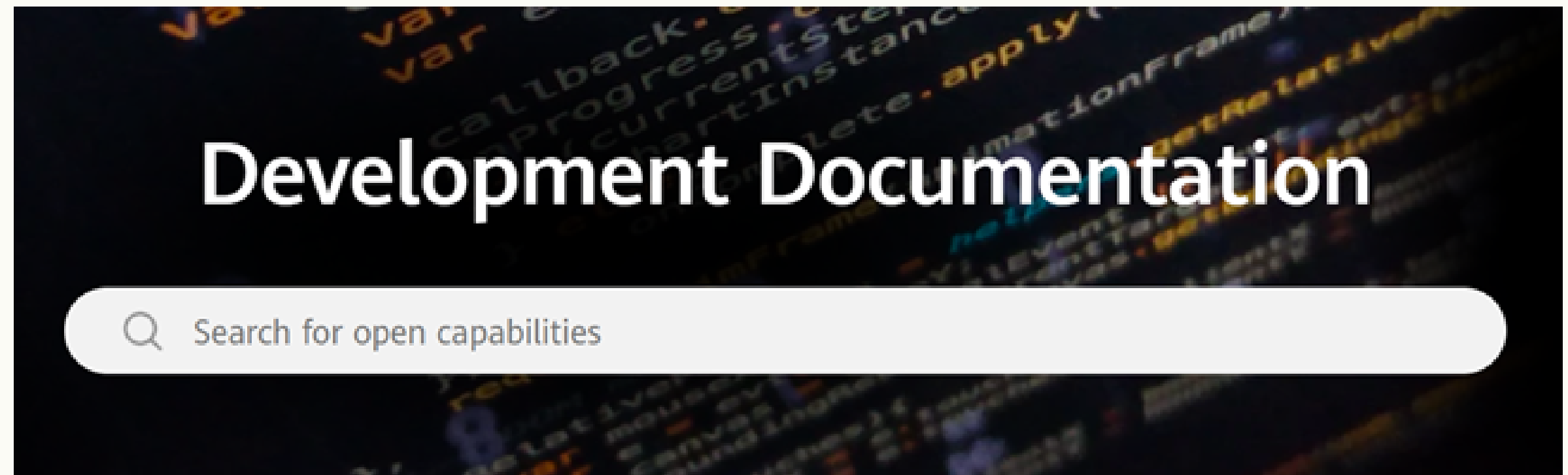


HMS CORE

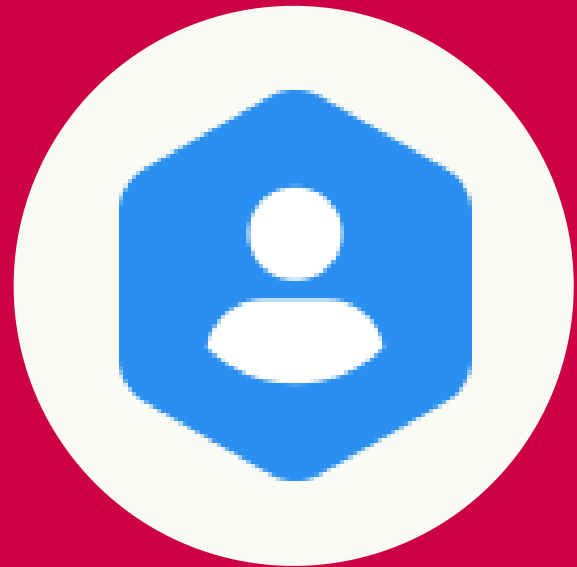
- HMS Core APK
- enables the use of Huawei mobile services.
- HMS Core SDK (Software Development Kit)
- Application development kits provided by Huawei to developers.



DOCUMENTATION AND GUIDES



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

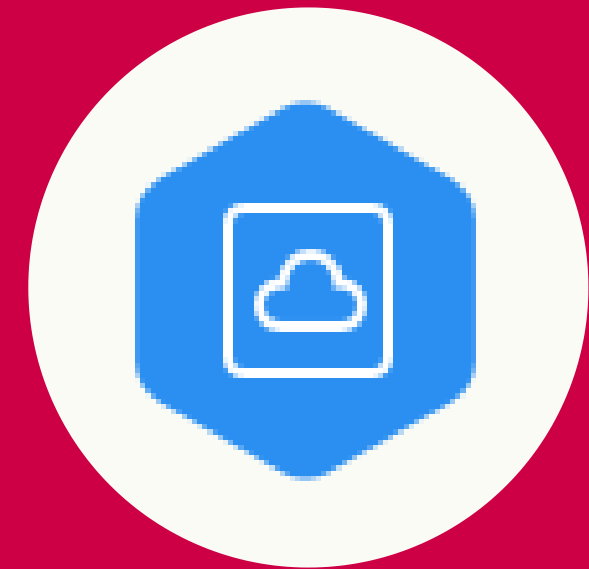
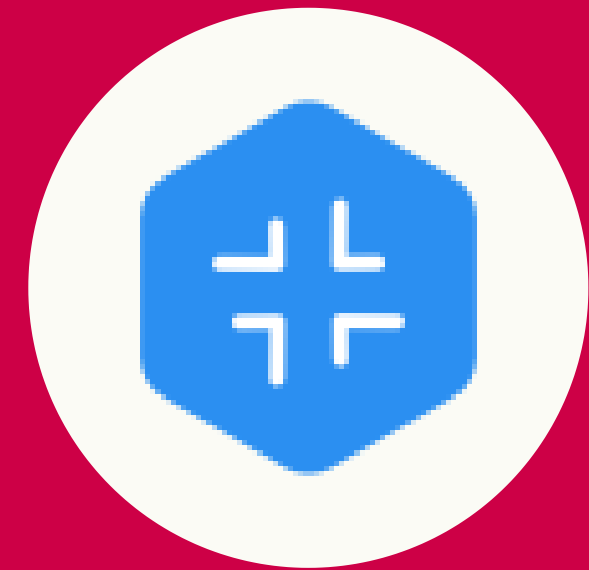


HMS CORE KITS OVERVIEW

- Account Kit
- Push Kit
- In-App-Purchases Kit
- Analytics Kit
- Location Kit
- Map Kit
- Ads Kit
- Game Service
- ML Kit
- Scan Kit
- Safety Detect
- Health Kit
- Nearby Service
- Site Kit

APPGALLERY CONNECT SERVICES OVERVIEW

- Auth Service
- CloudDB
- Crash Service
- APM
- Open Testing
- Remote Configuration
- App Messaging



DEVELOPER TOOLS



DigiX Lab



Huawei QuickApp
IDE



DevEco IDE



HMS Core Toolkit



Theme Studio

HMS DEVELOPER ACCOUNT REGISTRATION

Register F.A.Q

<https://developer.huawei.com/consumer/en/doc/help/100102>

Register

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

Identity Verification

<https://developer.huawei.com/consumer/en/doc/start/10122>



Huawei Mobile Services

HUAWEI APP GALLERY AND COMMUNITY

AppGallery is the official app store of Huawei.

You can use AppGallery on your Huawei mobile device to search, download, manage and share mobile applications

Huawei Developer Forum:
<https://forums.developer.huawei.com/forumPortal/en/home>

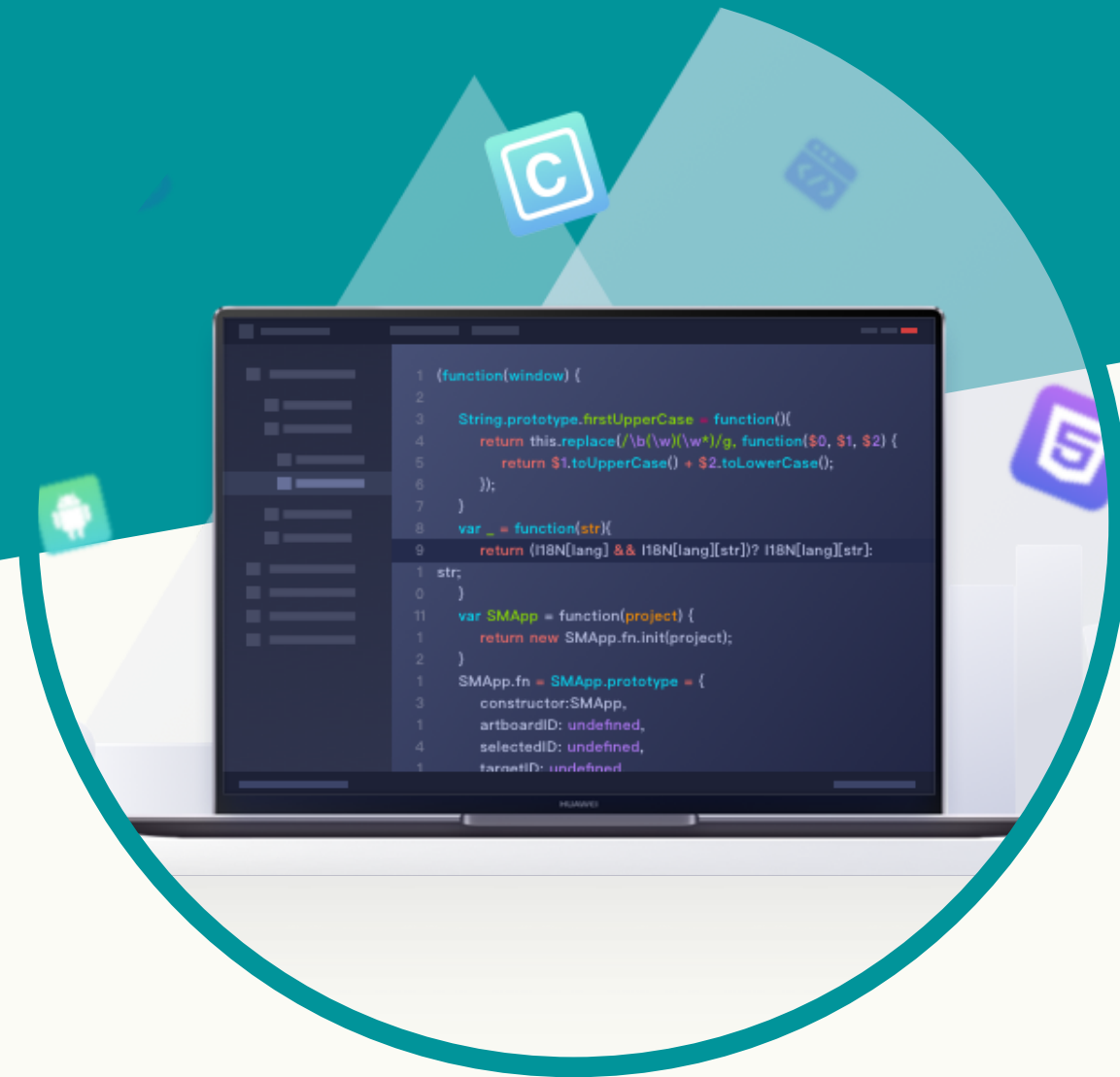


[Ask question](#)



CODELABS

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



DOCUMENTATION

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



LET'S TALK

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