



STM32MPU distribution for Android



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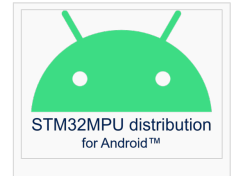
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The **STM32MPU distribution for Android™** runs on Arm® Cortex®-A processors. It is a subset of the STM32MPU Embedded Software distribution for Android.

It includes the following collection of software components:

- The **OpenSTLinux BSP** that offers services for the application frameworks in the same context:
 - The **boot chain** based on **TF-A** and **U-Boot**.
 - The **OP-TEE** secure OS running on the Cortex-A core in Secure mode.
 - The **Linux® kernel** running on the Arm® Cortex®-A core in Non-secure mode.
- **Application frameworks** that rely on the services provided by the **OpenSTLinux BSP** to provide specific functionalities (such as code libraries, APIs and tool sets) to ease the development of software applications:
 - **OP-TEE** application frameworks running in the secure OS user space (eg TEE Internal core API for the development of Trusted Applications (TA)).
 - **Android** application frameworks running in Linux OS user space (see AOSP^[1] for more details).



The **OpenSTLinux BSP for Android** has some specificities:

- The Linux kernel source is based on the Common Kernel available in AOSP^[2].
- The Linux kernel configuration is based on the reference configuration available in AOSP^[3].

Android application frameworks are based on the AOSP platform manifest^[4]. By default, one of the Google tags^[5] is used as a reference.

The **Google services** (ex: Cast, Drive, Maps...) are neither embedded nor validated within this **STM32MPU distribution for Android™**.



1 How to get the software for this distribution?

The **STM32MPU distribution for Android™** is available through the three Packages (Starter, Developer, and Distribution) of the STM32MPU Embedded Software distribution for Android.



2 References

- <https://source.android.com/>
- <https://android.googlesource.com/kernel/common/>
- <https://android.googlesource.com/kernel/configs/>
- <https://android.googlesource.com/platform/manifest/>
- <https://source.android.com/setup/start/build-numbers#source-code-tags-and-builds>

Board support package

Operating System

Open Portable Trusted Execution Environment

Trusted Execution Environment

Application programming interface

Trusted Application

[Android Open Source Project](#)

Stable: 22.01.2020 - 16:05 / Revision: 22.01.2020 - 10:03

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[Return to Boot chains overview](#)

Stable: 23.06.2020 - 14:30 / Revision: 16.01.2020 - 13:36

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[Return to Category:STM32MPU Embedded Software distribution for Android.](#)



Subcategories

This category has the following 2 subcategories, out of 2 total.

A

- [Android distribution \(2 P\)](#)

S

- [STM32Cube MPU Package \(3 P\)](#)
Stable: 12.03.2020 - 12:15 / Revision: 14.10.2019 - 14:35

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Stable: 30.01.2020 - 13:42 / Revision: 30.01.2020 - 13:40

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Stable: 23.10.2020 - 16:19 / Revision: 23.10.2020 - 16:16

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