

STM32MPU distribution for Android

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).

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Android.png

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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?

Warning

STM32MPU Embedded Software distribution for Android™ is no more supported by ST. You can contact our ST partner, [Witekio](#), who can help you to port and maintain it on STM32MP15 platform.

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://source.android.com/)
- [↑ https://android.googlesource.com/kernel/common/](https://android.googlesource.com/kernel/common/)
- [↑ https://android.googlesource.com/kernel/configs/](https://android.googlesource.com/kernel/configs/)
- [↑ https://android.googlesource.com/platform/manifest/](https://android.googlesource.com/platform/manifest/)
- [↑ https://source.android.com/setup/start/build-numbers#source-code-tags-and-builds](https://source.android.com/setup/start/build-numbers#source-code-tags-and-builds)



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