



PC prerequisites about STM32MPU  
distribution for Android



## PC prerequisites about STM32MPU distribution for Android

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Before downloading and building the STM32MPU distribution for Android™, make sure your system meets the following requirements:

- A 64-bit Linux® environment.
- At least 150 Gbytes of free disk space. If you conduct multiple builds, even more space is required.
- At least 8 Gbytes of RAM/swap. If you are running Linux on a virtual machine, at least 16 Gbytes of RAM/swap are required.

For more details, refer to the [requirements page](#) of the AOSP website.

Use the following commands to install the packages required to build an environment for Android (Distribution Package), after having installed the required packages listed on [Android website](#):

```
sudo apt-get update
sudo apt-get install chrpath curl libxml2-utils gdisk pv python-pycryptopp python-
crypto autotools-dev automake libusb-1.0-0-dev
```

To ensure USB communication (with ADB) between the host and the device, see [ADB § Device Connection](#).

To run Android-provided tests (CTS and VTS), see [Android Platform Testing](#).

At this stage: Your environment is ready for Android build, debug and test.

Random Access Memory (Early computer memories generally had serial access. Memories where any given address can be accessed when desired were then called "random access" to distinguish them from the memories where contents can only be accessed in a fixed order. The term is used today for volatile random-access semiconductor memories.)

Android Open Source Project

Android debug bridge (Android specific)

Compatibility Test Suite (Android specific) or Clear to send (in UART context)

Vendor Test Suite (Android specific)