Android

From Void Linux Wiki

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Android udev Rules

The **Android udev Rules** are needed to use the Android Debug Bridge (ADB). The plainest way is to use this Github Repo (https://github.com/M0Rf30/android-udev-rules).

Installing udev Rules

> **Note:** You must update the rules by yourself!

Go to the */opt* folder

```
# cd /opt
```

Clone the repo

```
# git clone https://github.com/MORf3O/android-udev-rules.git
```

Copy the rules file

```
# cp android-udev-rules/51-android.rules /usr/lib/udev/rules.d/51-android.rules
```

Change file permission

```
# chmod a+r /usr/lib/udev/rules.d/51-android.rules
```

Add the adbusers group if it's doesn't already exist

```
# groupadd adbusers
```

Add your user to the adbusers group

```
# usermod -a -G adbusers USERNAME
```

Restart UDEV

```
# udevadm control --reload-rules
```

Restart ADB

```
# adb kill-server && adb devices
```

Now your device should show up. When it didn't restart your computer.

Creating udev Rules

When you only want create one rule for your phone/tablet, then first we nee to no the the vendor_id:product_id pair.

```
# lsusb
```

Then create the rule, like this

```
# echo 'SUBSYSTEM=="usb", ATTR{idVendor}=="[VENDOR ID]", MODE="0666", OWNER="abusers"'  > /usr/lib/udev/rules.d/51-android.rules
```

Change file permission

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# chmod a+r /usr/lib/udev/rules.d/51-android.rules
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Add the adbusers group if it's doesn't already exist

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Android Debug Bridge (ADB)

Android Debug Bridge is a versatile command-line tool that lets you communicate with a device.

Installing Android Debug Bridge & Fastboot

```
# xbps-install -S android-tools
```

Using adb & fastboot

To use **adb** and **fastboot** you must install the udev rules.

Android Studio

Android Studio is the official integrated development environment (IDE) for Google's Android operating system, built on JetBrains' IntelliJ IDEA software and designed specifically for Android development. It is available for download on Windows, macOS and Linux based operating systems. It is a replacement for the Eclipse Android Development Tools (ADT) as primary IDE for native Android application development.

Installing Android Studio

To install **Android Studio** firstly you need to enable the *nonfree* repository if you haven't yet.

```
# xbps-install -Sy void-repo-nonfree && xbps-install -Suv
```

Next, install the ***android-studio (https://github.com/void-linux/void-packages/tree/master/srcpkgs/android-studio)*** package hosted by this repos:

```
# xbps-install -S android-studio
```

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