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                        android.txt
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                      A N D R O I D
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```

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1. Android
==========

Android (www.android.com) is an open source operating system for mobile devices.
This document describes configurations needed to run the Android framework on
top of the Linux kernel.

To see a working defconfig look at msm_defconfig or goldfish_defconfig
which can be found at http://android.git.kernel.org in kernel/common.git
and kernel/msm.git

<mark>1.1 Required enabled config options</mark>

After building a standard defconfig, ensure that these options are enabled in
your .config or defconfig if they are not already. Based off the msm_defconfig.
You should keep the rest of the default options enabled in the defconfig
unless you know what you are doing.

ANDROID_PARANOID_NETWORK
ASHMEM
CONFIG_FB_MODE_HELPERS
CONFIG_FONT_8x16
CONFIG_FONT_8x8
CONFIG_YAFFS_SHORT_NAMES_IN_RAM
DAB
EARLYSUSPEND
FB
FB_CFB_COPYAREA
FB_CFB_FILLRECT
FB_CFB_IMAGEBLIT
FB_DEFERRED_IO
FB_TILEBLITTING
HIGH_RES_TIMERS
INOTIFY
INOTIFY_USER
INPUT_EVDEV
INPUT_GPIO
INPUT_MISC

```
LEDS_CLASS
LEDS_GPIO
LOCK_KERNEL
LkOGGER
LOW_MEMORY_KILLER
MISC_DEVICES
NEW_LEDS
NO_HZ
POWER_SUPPLY
PREEMPT
RAMFS
RTC_CLASS
RTC_LIB
SWITCH
SWITCH_GPIO
TMPFS
UID_STAT
UID16
USB_FUNCTION
USB_FUNCTION_ADB
USER_WAKELOCK
VIDEO_OUTPUT_CONTROL
WAKELOCK
YAFFS_AUTO_YAFFS2
YAFFS_FS
YAFFS_YAFFS1
YAFFS_YAFFS2
```

1.2 Required disabled config options

```
CONFIG_YAFFS_DISABLE_LAZY_LOAD
DNOTIFY
```

1.3 Recommended enabled config options

```
ANDROID_PMEM
ANDROID_RAM_CONSOLE
ANDROID_RAM_CONSOLE_ERROR_CORRECTION
SCHEDSTATS
DEBUG_PREEMPT
DEBUG_MUTEXES
DEBUG_SPINLOCK_SLEEP
DEBUG_INFO
FRAME_POINTER
CPU_FREQ
CPU_FREQ_TABLE
CPU_FREQ_DEFAULT_GOV_ONDEMAND
CPU_FREQ_GOV_ONDEMAND
CRC_CCITT
EMBEDDED
INPUT_TOUCHSCREEN
I2C
I2C_BOARDINFO
LOG_BUF_SHIFT=17
```

SERIAL_CORE
SERIAL_CORE_CONSOLE

2. Contact
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website: http://android.git.kernel.org

mailing-lists: android-kernel@googlegroups.com