

Laboratório 2 AOSP

```
administrador@lab-dacc-08:~$ sudo apt install vim git git-core python3 python-is-python3
python-mako openjdk-8-jdk android-tools-adb bc bison build-essential curl flex g++-multilib
gcc-multilib gnupg gperf imagemagick lib32ncurses-dev lib32readline-dev lib32z1-dev
liblz4-tool libncurses5-dev libsdl1.2-dev libssl-dev libxml2 libxml2-utils lzop pngcrush rsync
schedtool squashfs-tools xsltproc yasm zip zlib1g-dev libtinfo5 libncurses5 zip
libc6-dev-i386 lib32ncurses5-dev x11proto-core-dev libx11-dev libgl1-mesa-dev screen
unzip fontconfig kpartx libcurl4
[sudo] senha para administrador:
Lendo listas de pacotes... Pronto
Construindo árvore de dependências
Lendo informação de estado... Pronto
Note, a seleccionar 'git' em vez de 'git-core'
Note, a seleccionar 'lib32ncurses-dev' em vez de 'lib32ncurses5-dev'
bc já é a versão mais recente (1.07.1-2build1).
bison já é a versão mais recente (2:3.5.1+dfsg-1).
flex já é a versão mais recente (2.6.4-6.2).
fontconfig já é a versão mais recente (2.13.1-2ubuntu3).
g++-multilib já é a versão mais recente (4:9.3.0-1ubuntu2).
gcc-multilib já é a versão mais recente (4:9.3.0-1ubuntu2).
kpartx já é a versão mais recente (0.8.3-1ubuntu2).
lib32ncurses-dev já é a versão mais recente (6.2-0ubuntu2).
lib32readline-dev já é a versão mais recente (8.0-4).
libncurses5-dev já é a versão mais recente (6.2-0ubuntu2).
python-is-python3 já é a versão mais recente (3.8.2-4).
python3 já é a versão mais recente (3.8.2-0ubuntu2).
unzip já é a versão mais recente (6.0-25ubuntu1).
x11proto-core-dev já é a versão mais recente (2019.2-1ubuntu1).
zip já é a versão mais recente (3.0-11build1).
android-tools-adb já é a versão mais recente (1:8.1.0+r23-5ubuntu2).
gperf já é a versão mais recente (3.1-1build1).
libncurses5 já é a versão mais recente (6.2-0ubuntu2).
libsdl1.2-dev já é a versão mais recente (1.2.15+dfsg2-5).
libtinfo5 já é a versão mais recente (6.2-0ubuntu2).
lzop já é a versão mais recente (1.04-1).
pngcrush já é a versão mais recente (1.8.13-0.1).
schedtool já é a versão mais recente (1.3.0-3).
yasm já é a versão mais recente (1.3.0-2ubuntu1).
build-essential já é a versão mais recente (12.8ubuntu1.1).
curl já é a versão mais recente (7.68.0-1ubuntu2.13).
git já é a versão mais recente (1:2.25.1-1ubuntu3.5).
gnupg já é a versão mais recente (2.2.19-3ubuntu2.2).
lib32z1-dev já é a versão mais recente (1:1.2.11.dfsg-2ubuntu1.4).
libc6-dev-i386 já é a versão mais recente (2.31-0ubuntu9.9).
libcurl4 já é a versão mais recente (7.68.0-1ubuntu2.13).
libgl1-mesa-dev já é a versão mais recente (21.2.6-0ubuntu0.1~20.04.2).
libssl-dev já é a versão mais recente (1.1.1f-1ubuntu2.16).
libx11-dev já é a versão mais recente (2:1.6.9-2ubuntu1.2).
libxml2 já é a versão mais recente (2.9.10+dfsg-5ubuntu0.20.04.4).
libxml2-utils já é a versão mais recente (2.9.10+dfsg-5ubuntu0.20.04.4).
rsync já é a versão mais recente (3.1.3-8ubuntu0.4).
screen já é a versão mais recente (4.8.0-1ubuntu0.1).
squashfs-tools já é a versão mais recente (1:4.4-1ubuntu0.3).
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vim já é a versão mais recente (2:8.1.2269-1ubuntu5.9).
xsltproc já é a versão mais recente (1.1.34-4ubuntu0.20.04.1).
zlib1g-dev já é a versão mais recente (1:1.2.11.dfsg-2ubuntu1.4).
imagemagick já é a versão mais recente (8:6.9.10.23+dfsg-2.1ubuntu11.4).
liblz4-tool já é a versão mais recente (1.9.2-2ubuntu0.20.04.1).
openjdk-8-jdk já é a versão mais recente (8u342-b07-0ubuntu1~20.04).
python-mako já é a versão mais recente (1.1.0+ds1-1ubuntu2.1).
0 pacotes atualizados, 0 pacotes novos instalados, 0 a serem removidos e 126 não atualizados.
administrador@lab-dacc-08:~\$ sudo apt install mplayer pigz pbzip2 # Alguns pacotes extras usados nos laboratórios
Lendo listas de pacotes... Pronto
Construindo árvore de dependências
Lendo informação de estado... Pronto
mplayer já é a versão mais recente (2:1.3.0-8build5).
pbzip2 já é a versão mais recente (1.1.13-1build1).
pigz já é a versão mais recente (2.4-1).
0 pacotes atualizados, 0 pacotes novos instalados, 0 a serem removidos e 126 não atualizados.
administrador@lab-dacc-08:/media/arquivos/aosp\$ lunch

You're building on Linux

Lunch menu... pick a combo:

1. aosp_arm-eng
2. aosp_arm64-eng
3. aosp_barbet-userdebug
4. aosp_blueline-userdebug
5. aosp_blueline_car-userdebug
6. aosp_bonito-userdebug
7. aosp_bonito_car-userdebug
8. aosp_bramble-userdebug
9. aosp_bramble_car-userdebug
10. aosp_car_arm-userdebug
11. aosp_car_arm64-userdebug
12. aosp_car_x86-userdebug
13. aosp_car_x86_64-userdebug
14. aosp_cf_arm64_auto-userdebug
15. aosp_cf_arm64_phone-userdebug
16. aosp_cf_x86_64_foldable-userdebug
17. aosp_cf_x86_64_pc-userdebug
18. aosp_cf_x86_64_phone-userdebug
19. aosp_cf_x86_64_tv-userdebug
20. aosp_cf_x86_auto-userdebug
21. aosp_cf_x86_phone-userdebug
22. aosp_cf_x86_tv-userdebug
23. aosp_coral-userdebug
24. aosp_coral_car-userdebug
25. aosp_crosshatch-userdebug
26. aosp_crosshatch_car-userdebug
27. aosp_crosshatch_vf-userdebug
28. aosp_flame-userdebug
29. aosp_flame_car-userdebug
30. aosp_redfin-userdebug
31. aosp_redfin_car-userdebug
32. aosp_redfin_vf-userdebug
33. aosp_sargo-userdebug
34. aosp_sargo_car-userdebug
35. aosp_sunfish-userdebug

36. aosp_sunfish_car-userdebug
37. aosp_trout_arm64-userdebug
38. aosp_trout_x86-userdebug
39. aosp_x86-eng
40. aosp_x86_64-eng
41. arm_krait-eng
42. arm_v7_v8-eng
43. armv8-eng
44. armv8_cortex_a55-eng
45. armv8_kryo385-eng
46. beagle_x15-userdebug
47. beagle_x15_auto-userdebug
48. car_x86_64-userdebug
49. db845c-userdebug
50. fuchsia_arm64-eng
51. fuchsia_x86_64-eng
52. gsi_car_arm64-userdebug
53. gsi_car_x86_64-userdebug
54. hikey-userdebug
55. hikey64_only-userdebug
56. hikey960-userdebug
57. hikey960_tv-userdebug
58. hikey_tv-userdebug
59. palomakoba_kraken-eng
60. pixel3_mainline-userdebug
61. poplar-eng
62. poplar-user
63. poplar-userdebug
64. qemu_trusty_arm64-userdebug
65. sdk_car_arm-userdebug
66. sdk_car_arm64-userdebug
67. sdk_car_x86-userdebug
68. sdk_car_x86_64-userdebug
69. silvermont-eng
70. uml-userdebug
71. yukawa-userdebug
72. yukawa_sei510-userdebug

administrador@lab-dacc-08:/media/arquivos/aosp\$ lunch sdk_phone_x86_64-userdebug

```

=====
PLATFORM_VERSION_CODENAME=REL
PLATFORM_VERSION=12
TARGET_PRODUCT=sdk_phone_x86_64
TARGET_BUILD_VARIANT=userdebug
TARGET_BUILD_TYPE=release
TARGET_ARCH=x86_64
TARGET_ARCH_VARIANT=x86_64
TARGET_2ND_ARCH=x86
TARGET_2ND_ARCH_VARIANT=x86_64
HOST_ARCH=x86_64
HOST_2ND_ARCH=x86
HOST_OS=linux
HOST_OS_EXTRA=Linux-5.15.0-48-generic-x86_64-Ubuntu-20.04.4-LTS
HOST_CROSS_OS=windows
HOST_CROSS_ARCH=x86
HOST_CROSS_2ND_ARCH=x86_64
HOST_BUILD_TYPE=release
BUILD_ID=SP1A.210812.016.A1

```

```

OUT_DIR=out
PRODUCT_SOONG_NAMESPACES=device/generic/goldfish device/generic/goldfish-opengl
hardware/google/camera hardware/google/camera/devices/EmulatedCamera
device/generic/goldfish device/generic/goldfish-opengl
=====
administrador@lab-dacc-08:/media/arquivos/aosp$ export
declare -x
ANDROID_BUILD_PATHS="/media/arquivos/aosp/out/soong/host/linux-x86/bin:/media/arquiv
os/aosp/out/host/linux-x86/bin:/media/arquivos/aosp/prebuilts/gcc/linux-x86/x86/x86_64-lin
ux-android-4.9/bin:/media/arquivos/aosp/development/scripts:/media/arquivos/aosp/prebuil
ts/devtools/tools:/media/arquivos/aosp/external/selinux/prebuilts/bin:/media/arquivos/aosp/
prebuilts/misc/linux-x86/dtc:/media/arquivos/aosp/prebuilts/misc/linux-x86/libufdt:/media/ar
quivos/aosp/prebuilts/clang/host/linux-x86/llvm-binutils-stable:/media/arquivos/aosp/prebuil
ts/android-emulator/linux-x86_64:/media/arquivos/aosp/prebuilts/asuite/acloud/linux-x86:/
media/arquivos/aosp/prebuilts/asuite/aidegen/linux-x86:/media/arquivos/aosp/prebuilts/asu
ite/atext/linux-x86:"
declare -x ANDROID_BUILD_TOP="/media/arquivos/aosp"
declare -x
ANDROID_DEV_SCRIPTS="/media/arquivos/aosp/development/scripts:/media/arquivos/aosp/
prebuilts/devtools/tools:/media/arquivos/aosp/external/selinux/prebuilts/bin:/media/arquivo
s/aosp/prebuilts/misc/linux-x86/dtc:/media/arquivos/aosp/prebuilts/misc/linux-x86/libufdt"
declare -x
ANDROID_EMULATOR_PREBUILTS="/media/arquivos/aosp/prebuilts/android-emulator/linux-
x86_64"
declare -x ANDROID_HOST_OUT="/media/arquivos/aosp/out/host/linux-x86"
declare -x
ANDROID_HOST_OUT_TESTCASES="/media/arquivos/aosp/out/host/linux-x86/testcases"
declare -x ANDROID_JAVA_HOME="/media/arquivos/aosp/prebuilts/jdk/jdk11/linux-x86"
declare -x
ANDROID_JAVA_TOOLCHAIN="/media/arquivos/aosp/prebuilts/jdk/jdk11/linux-x86/bin"
declare -x
ANDROID_PRE_BUILD_PATHS="/media/arquivos/aosp/prebuilts/jdk/jdk11/linux-x86/bin:"
declare -x
ANDROID_PRODUCT_OUT="/media/arquivos/aosp/out/target/product/emulator_x86_64"
declare -x ANDROID_PYTHONPATH="/media/arquivos/aosp/development/python-packages:"
declare -x ANDROID_SOONG_HOST_OUT="/media/arquivos/aosp/out/soong/host/linux-x86"
declare -x
ANDROID_TARGET_OUT_TESTCASES="/media/arquivos/aosp/out/target/product/emulator_x
86_64/testcases"
declare -x
ANDROID_TOOLCHAIN="/media/arquivos/aosp/prebuilts/gcc/linux-x86/x86/x86_64-linux-an
droid-4.9/bin"
declare -x ANDROID_TOOLCHAIN_2ND_ARCH=""
declare -x
ASAN_SYMBOLIZER_PATH="/media/arquivos/aosp/prebuilts/clang/host/linux-x86/llvm-binutil
s-stable/llvm-symbolizer"
declare -x BUILD_ENV_SEQUENCE_NUMBER="13"
declare -x COLORTERM="truecolor"
declare -x DBUS_SESSION_BUS_ADDRESS="unix:path=/run/user/1000/bus"
declare -x DESKTOP_SESSION="ubuntu"
declare -x DISPLAY=":1"
declare -x
GCC_COLORS="error=01;31:warning=01;35:note=01;36:caret=01;32:locus=01:quote=01
"
declare -x GDMSESSION="ubuntu"
declare -x GJS_DEBUG_OUTPUT="stderr"
declare -x GJS_DEBUG_TOPICS="JS ERROR;JS LOG"
declare -x GNOME_DESKTOP_SESSION_ID="this-is-deprecated"
declare -x GNOME_SHELL_SESSION_MODE="ubuntu"

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declare -x
GNOME_TERMINAL_SCREEN="/org/gnome/Terminal/screen/6277cca6_9a79_47de_8f06_bf7
c06760014"
declare -x GNOME_TERMINAL_SERVICE=":1.120"
declare -x GPG_AGENT_INFO="/run/user/1000/gnupg/S.gpg-agent:0:1"
declare -x GTK_MODULES="gail:atk-bridge"
declare -x HOME="/home/administrador"
declare -x IM_CONFIG_PHASE="1"
declare -x INVOCATION_ID="8bfa7d219fe44651bec0a7f7d4b629e2"
declare -x JAVA_HOME="/media/arquivos/aosp/prebuilts/jdk/jdk11/linux-x86"
declare -x JOURNAL_STREAM="8:48806"
declare -x LANG="pt_BR.UTF-8"
declare -x LANGUAGE="pt_BR:pt:en"
declare -x LD_LIBRARY_PATH="/usr/local/cuda/lib64:\$LD_LIBRARY_PATH"
declare -x LESSCLOSE="/usr/bin/lesspipe %s %s"
declare -x LESSOPEN="| /usr/bin/lesspipe %s"
declare -x LOGNAME="administrador"
declare -x
LS_COLORS="rs=0:di=01;34:ln=01;36:mh=00:pi=40;33:so=01;35:do=01;35:bd=40;33;01:
cd=40;33;01:or=40;31;01:mi=00:su=37;41:sg=30;43:ca=30;41:tw=30;42:ow=34;42:st=3
7;44:ex=01;32:*.tar=01;31:*.tgz=01;31:*.arc=01;31:*.arj=01;31:*.taz=01;31:*.lha=01;31:
*.lz4=01;31:*.lzh=01;31:*.lzma=01;31:*.tlz=01;31:*.txz=01;31:*.tzo=01;31:*.t7z=01;31:*.
zip=01;31:*.z=01;31:*.dz=01;31:*.gz=01;31:*.lrz=01;31:*.lz=01;31:*.lzo=01;31:*.xz=01;3
1:*.zst=01;31:*.tztst=01;31:*.bz2=01;31:*.bz=01;31:*.tbz=01;31:*.tbz2=01;31:*.tz=01;31:
*.deb=01;31:*.rpm=01;31:*.jar=01;31:*.war=01;31:*.ear=01;31:*.sar=01;31:*.rar=01;31:
*.alz=01;31:*.ace=01;31:*.zoo=01;31:*.cpio=01;31:*.7z=01;31:*.rz=01;31:*.cab=01;31:*.
wim=01;31:*.swm=01;31:*.dwm=01;31:*.esd=01;31:*.jpg=01;35:*.jpeg=01;35:*.mjpg=0
1;35:*.mjpeg=01;35:*.gif=01;35:*.bmp=01;35:*.pbm=01;35:*.pgm=01;35:*.ppm=01;35:*.
tga=01;35:*.xbm=01;35:*.xpm=01;35:*.tif=01;35:*.tiff=01;35:*.png=01;35:*.svg=01;35:*.
svgz=01;35:*.mng=01;35:*.pcx=01;35:*.mov=01;35:*.mpg=01;35:*.mpeg=01;35:*.m2v=
01;35:*.mkv=01;35:*.webm=01;35:*.ogm=01;35:*.mp4=01;35:*.m4v=01;35:*.mp4v=01;
35:*.vob=01;35:*.qt=01;35:*.nuv=01;35:*.wmv=01;35:*.asf=01;35:*.rm=01;35:*.rmvb=0
1;35:*.flc=01;35:*.avi=01;35:*.fli=01;35:*.flv=01;35:*.gl=01;35:*.dl=01;35:*.xcf=01;35:*.
xwd=01;35:*.yuv=01;35:*.cgm=01;35:*.emf=01;35:*.ogv=01;35:*.ogx=01;35:*.aac=00;3
6:*.au=00;36:*.flac=00;36:*.m4a=00;36:*.mid=00;36:*.midi=00;36:*.mka=00;36:*.mp3=
00;36:*.mpc=00;36:*.ogg=00;36:*.ra=00;36:*.wav=00;36:*.oga=00;36:*.opus=00;36:*.sp
x=00;36:*.xspf=00;36:"
declare -x MANAGERPID="1783"
declare -x OLDPWD="/home/administrador"
declare -x OUT="/media/arquivos/aosp/out/target/product/emulator_x86_64"
declare -x
PATH="/media/arquivos/aosp/prebuilts/jdk/jdk11/linux-x86/bin:/media/arquivos/aosp/out/so
ong/host/linux-x86/bin:/media/arquivos/aosp/out/host/linux-x86/bin:/media/arquivos/aosp/p
rebuilts/gcc/linux-x86/x86/x86_64-linux-android-4.9/bin:/media/arquivos/aosp/development
/scripts:/media/arquivos/aosp/prebuilts/devtools/tools:/media/arquivos/aosp/external/selinu
x/prebuilts/bin:/media/arquivos/aosp/prebuilts/misc/linux-x86/dtc:/media/arquivos/aosp/pre
builts/misc/linux-x86/libufdt:/media/arquivos/aosp/prebuilts/clang/host/linux-x86/llvm-binuti
ls-stable:/media/arquivos/aosp/prebuilts/android-emulator/linux-x86_64:/media/arquivos/ao
sp/prebuilts/asuite/acloud/linux-x86:/media/arquivos/aosp/prebuilts/asuite/aidegen/linux-x8
6:/media/arquivos/aosp/prebuilts/asuite/atest/linux-x86:/usr/local/sbin:/usr/local/bin:/usr/sbi
n:/usr/bin:/sbin:/bin:/usr/games:/usr/local/games:/snap/bin:/usr/local/cuda/bin:/home/admini
strador/bin:/home/administrador/bin/"
declare -x PWD="/media/arquivos/aosp"
declare -x PYTHONPATH="/media/arquivos/aosp/development/python-packages:"
declare -x QT_ACCESSIBILITY="1"
declare -x QT_IM_MODULE="ibus"
declare -x
SESSION_MANAGER="local/lab-dacc-08:@/tmp/.ICE-unix/2000,unix/lab-dacc-08:/tmp/.ICE-u
nix/2000"

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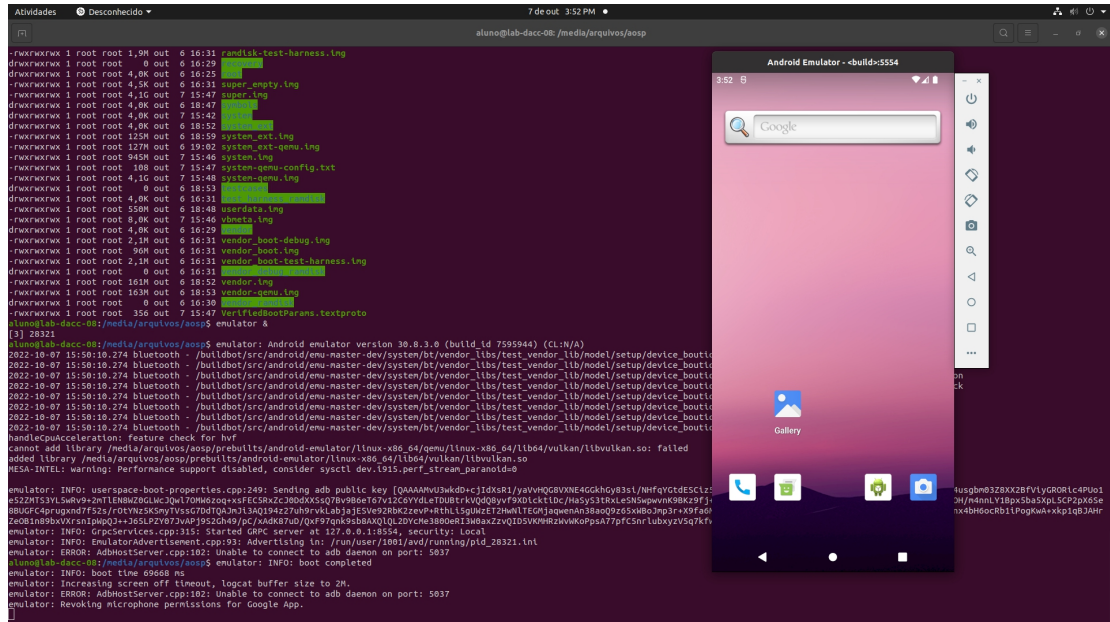
declare -x SHELL="/bin/bash"
declare -x SHLVL="1"
declare -x SSH_AGENT_PID="1965"
declare -x SSH_AUTH_SOCK="/run/user/1000/keyring/ssh"
declare -x TARGET_BUILD_APPS=""
declare -x TARGET_BUILD_TYPE="release"
declare -x TARGET_BUILD_VARIANT="userdebug"
declare -x TARGET_GCC_VERSION="4.9"
declare -x TARGET_PRODUCT="sdk_phone_x86_64"
declare -x TERM="xterm-256color"
declare -x USER="administrador"
declare -x USERNAME="administrador"
declare -x VTE_VERSION="6003"
declare -x WINDOWPATH="2"
declare -x XAUTHORITY="/run/user/1000/gdm/Xauthority"
declare -x XDG_CONFIG_DIRS="/etc/xdg/xdg-ubuntu:/etc/xdg"
declare -x XDG_CURRENT_DESKTOP="ubuntu:GNOME"
declare -x
XDG_DATA_DIRS="/usr/share/ubuntu:/usr/local/share:/usr/share:/var/lib/snapd/desktop"
declare -x XDG_MENU_PREFIX="gnome-"
declare -x XDG_RUNTIME_DIR="/run/user/1000"
declare -x XDG_SESSION_CLASS="user"
declare -x XDG_SESSION_DESKTOP="ubuntu"
declare -x XDG_SESSION_TYPE="x11"
declare -x XMODIFIERS="@im=ibus"
administrador@lab-dacc-08:/media/arquivos/aosp$ export | grep
"ANDROID_|TARGET_|PATH"
declare -x
ANDROID_BUILD_PATHS="/media/arquivos/aosp/out/soong/host/linux-x86/bin:/media/arquiv
os/aosp/out/host/linux-x86/bin:/media/arquivos/aosp/prebuilts/gcc/linux-x86/x86/x86_64-lin
ux-android-4.9/bin:/media/arquivos/aosp/development/scripts:/media/arquivos/aosp/prebuil
ts/devtools/tools:/media/arquivos/aosp/external/selinux/prebuilts/bin:/media/arquivos/aosp/
prebuilts/misc/linux-x86/dtc:/media/arquivos/aosp/prebuilts/misc/linux-x86/libufdt:/media/ar
quivos/aosp/prebuilts/clang/host/linux-x86/llvm-binutils-stable:/media/arquivos/aosp/prebuil
ts/android-emulator/linux-x86_64:/media/arquivos/aosp/prebuilts/asuite/acloud/linux-x86:/
media/arquivos/aosp/prebuilts/asuite/aidegen/linux-x86:/media/arquivos/aosp/prebuilts/asu
ite/atest/linux-x86:"
declare -x ANDROID_BUILD_TOP="/media/arquivos/aosp"
declare -x
ANDROID_DEV_SCRIPTS="/media/arquivos/aosp/development/scripts:/media/arquivos/aosp/
prebuilts/devtools/tools:/media/arquivos/aosp/external/selinux/prebuilts/bin:/media/arquivo
s/aosp/prebuilts/misc/linux-x86/dtc:/media/arquivos/aosp/prebuilts/misc/linux-x86/libufdt"
declare -x
ANDROID_EMULATOR_PREBUILTS="/media/arquivos/aosp/prebuilts/android-emulator/linux-
x86_64"
declare -x ANDROID_HOST_OUT="/media/arquivos/aosp/out/host/linux-x86"
declare -x
ANDROID_HOST_OUT_TESTCASES="/media/arquivos/aosp/out/host/linux-x86/testcases"
declare -x ANDROID_JAVA_HOME="/media/arquivos/aosp/prebuilts/jdk/jdk11/linux-x86"
declare -x
ANDROID_JAVA_TOOLCHAIN="/media/arquivos/aosp/prebuilts/jdk/jdk11/linux-x86/bin"
declare -x
ANDROID_PRE_BUILD_PATHS="/media/arquivos/aosp/prebuilts/jdk/jdk11/linux-x86/bin:"
declare -x
ANDROID_PRODUCT_OUT="/media/arquivos/aosp/out/target/product/emulator_x86_64"
declare -x ANDROID_PYTHONPATH="/media/arquivos/aosp/development/python-packages:"
declare -x ANDROID_SOONG_HOST_OUT="/media/arquivos/aosp/out/soong/host/linux-x86"

```

```

declare -x
ANDROID_TARGET_OUT_TESTCASES="/media/arquivos/aosp/out/target/product/emulator_x
86_64/testcases"
declare -x
ANDROID_TOOLCHAIN="/media/arquivos/aosp/prebuilts/gcc/linux-x86/x86/x86_64-linux-an
droid-4.9/bin"
declare -x ANDROID_TOOLCHAIN_2ND_ARCH=""
declare -x
ASAN_SYMBOLIZER_PATH="/media/arquivos/aosp/prebuilts/clang/host/linux-x86/llvm-binuti
l-s-stable/llvm-symbolizer"
declare -x LD_LIBRARY_PATH="/usr/local/cuda/lib64:$LD_LIBRARY_PATH"
declare -x
PATH="/media/arquivos/aosp/prebuilts/jdk/jdk11/linux-x86/bin:/media/arquivos/aosp/out/so
ong/host/linux-x86/bin:/media/arquivos/aosp/out/host/linux-x86/bin:/media/arquivos/aosp/p
rebuilts/gcc/linux-x86/x86/x86_64-linux-android-4.9/bin:/media/arquivos/aosp/development
/scripts:/media/arquivos/aosp/prebuilts/devtools/tools:/media/arquivos/aosp/external/selinu
x/prebuilts/bin:/media/arquivos/aosp/prebuilts/misc/linux-x86/dtc:/media/arquivos/aosp/pre
builts/misc/linux-x86/libufdt:/media/arquivos/aosp/prebuilts/clang/host/linux-x86/llvm-binuti
l-s-stable:/media/arquivos/aosp/prebuilts/android-emulator/linux-x86_64:/media/arquivos/ao
sp/prebuilts/asuite/acloud/linux-x86:/media/arquivos/aosp/prebuilts/asuite/aidegen/linux-x8
6:/media/arquivos/aosp/prebuilts/asuite/atest/linux-x86:/usr/local/sbin:/usr/local/bin:/usr/sbi
n:/usr/bin:/sbin:/bin:/usr/games:/usr/local/games:/snap/bin:/usr/local/cuda/bin:/home/admini
strador/bin:/home/administrador/bin/"
declare -x PYTHONPATH="/media/arquivos/aosp/development/python-packages:"
declare -x TARGET_BUILD_APPS=""
declare -x TARGET_BUILD_TYPE="release"
declare -x TARGET_BUILD_VARIANT="userdebug"
declare -x TARGET_GCC_VERSION="4.9"
declare -x TARGET_PRODUCT="sdk_phone_x86_64"
declare -x WINDOWSPATH="2"

```



```
Atividades Terminal 7 de out 4:23 PM
aluno@lab-dacc-08:/media/arquivos/aosp$
aluno@lab-dacc-08:/media/arquivos/aosp$
text)
Missing class androidx.palette.graphics.Palette$Swatch (referenced from: android.graphics.Bitmap androidx.mediarouter.app.MediaRouteControllerDialog$FetchArtTask.doInBackground(java.lang.Void[]) and 1 other contexts)
Missing class androidx.palette.graphics.Palette (referenced from: android.graphics.Bitmap androidx.mediarouter.app.MediaRouteControllerDialog$FetchArtTask.doInBackground(java.lang.Void[]) and 1 other context)
Missing class com.android.internal.telephony.NccTable (referenced from: java.lang.String com.android.settings.network.SubscriptionUtil.getFormattedPhoneNumber(android.content.Context, android.telephony.SubscriptionInfo))
Missing class com.google.errorprone.annotations.CanIgnoreReturnValue (referenced from: java.lang.Object com.google.common.base.AbstractIterator.endOfData() and 135 other contexts)
Missing class com.google.errorprone.annotations.CompatibleWith (referenced from: boolean com.google.common.collect.Multimap.containsEntry(java.lang.Object, java.lang.Object) and 1 other context)
Missing class com.google.errorprone.annotations.DoNotMock (referenced from: com.google.common.base.Optional and 9 other contexts)
Missing class com.google.errorprone.annotations.ForOverride (referenced from: boolean com.google.common.base.Equivalence.doEquivalent(java.lang.Object, java.lang.Object) and 2 other contexts)
Missing class com.google.errorprone.annotations.Immutable (referenced from: com.google.common.net.InternetMediaType)
Missing class com.google.errorprone.annotations.concurrent.GuardedBy (referenced from: void com.google.common.collect.MapMakerInternalMap$Segment.drainKeyReferenceQueue(java.lang.ref.ReferenceQueue) and 5 other contexts)
Missing class com.google.errorprone.annotations.concurrent.LazyInit (referenced from: com.google.common.collect.ImmutableSet com.google.common.collect.ImmutableMap.entrySet() and 5 other contexts)
Missing class org.jetbrains.annotations.NotNull (referenced from: com.android.settingslib.fuelgauge.EstimateCompanion com.android.settingslib.fuelgauge.EstimateCompanion and 214 other contexts)
Missing class org.jetbrains.annotations.Nullable (referenced from: okio.Segment okio.Buffer.head() and 22 other contexts)
[ 808/30/31] Target super fs image for debug: out/target/product/emulator_x86_64/super.img
2022-10-07 16:15:43 - build_super_image.py - INFO : Building super image from info dict...
2022-10-07 16:15:43 - build_super_image.py - INFO : Done writing super image out/target/product/emulator_x86_64/super.img
[ 808/30/31] Create system-qemu.img now
removing out/target/product/emulator_x86_64/system-qemu.img.qcow2
updating out/target/product/emulator_x86_64/system-qemu.img ...
done
[100% 31/31] Create system_ext-qemu.img
aosp build completed successfully (13:32 (mms)) ##aosp
aluno@lab-dacc-08:/media/arquivos/aosp$ emulator
emulator: Android emulator version 30.8.3.0 (build_id 7595944) (CL:N/A)
2022-10-07 16:18:52.964 bluetooth - /buildbot/src/android/emu-master-dev/system/bt/vendor_libs/test_vendor/lib/model/setup/device_bluetooth.cc:33 - Register: Registering beacon_swarm
2022-10-07 16:18:52.965 bluetooth - /buildbot/src/android/emu-master-dev/system/bt/vendor_libs/test_vendor/lib/model/setup/device_bluetooth.cc:33 - Register: Registering beacon
2022-10-07 16:18:52.965 bluetooth - /buildbot/src/android/emu-master-dev/system/bt/vendor_libs/test_vendor/lib/model/setup/device_bluetooth.cc:33 - Register: Registering scripted_beacon
2022-10-07 16:18:52.965 bluetooth - /buildbot/src/android/emu-master-dev/system/bt/vendor_libs/test_vendor/lib/model/setup/device_bluetooth.cc:33 - Register: Registering remote_loopback
2022-10-07 16:18:52.965 bluetooth - /buildbot/src/android/emu-master-dev/system/bt/vendor_libs/test_vendor/lib/model/setup/device_bluetooth.cc:33 - Register: Registering car_kit
2022-10-07 16:18:52.965 bluetooth - /buildbot/src/android/emu-master-dev/system/bt/vendor_libs/test_vendor/lib/model/setup/device_bluetooth.cc:33 - Register: Registering classic
2022-10-07 16:18:52.965 bluetooth - /buildbot/src/android/emu-master-dev/system/bt/vendor_libs/test_vendor/lib/model/setup/device_bluetooth.cc:33 - Register: Registering sniffer
2022-10-07 16:18:52.965 bluetooth - /buildbot/src/android/emu-master-dev/system/bt/vendor_libs/test_vendor/lib/model/setup/device_bluetooth.cc:33 - Register: Registering keyboard
handleCpuAcceleration: feature check for hvf
cannot add library /media/arquivos/aosp/prebuilts/android-emulator/linux-x86_64/qemu/linux-x86_64/lib64/vulkan/libvulkan.so: failed
add library /media/arquivos/aosp/prebuilts/android-emulator/linux-x86_64/lib64/vulkan/libvulkan.so
MESA-INTL: warning: Performance support disabled, consider sysctl dev.t915.perf_stream_paranoid=0
emulator: INFO: userspace-boot-properties.cpp:249: Sending adb public key [0AAAAAMVU3WkD+c3JdxR1/yavWHQGVNEN4Ggkoy83st/NHfQVctdESC1z58SLzdBd2bcZ7ddauh854pM51Vdh5bY1CPzSnA0hws4usgbm932BXX2BFVlyGROR1c4PUo1
e52ZHT53VL5wv9+ZmLEBNWZGKMC3Qv70HMDzoq+sFECCSRz2C3BDXKSQ7Bv98eet67v12CvYdLEtUBtrkVQ0byrFXDLCk1Dc/HsYs3trXLE5NwpmvK9Kz9fJ+uN+Lk2etXUqYb7+8Uefdujgdmh86L3Q4Z/ybr477PATOH/m4nL1Bxp5ba5XpLSCPzK65E
8ouGdC4pugndF52z/rOVN5ESGvY5sc1d0Q4m313Q93s422uhvRvLb3j35Vep2B2zevPvHtL5GjMET2hwTLCp4uqenAn5aog2z5vdoJp3+X0F5uHt5t0XNuhWf3GdGp9GcKz1VofH32bWk32vc1BnsZ5unx4bdc0b1Pogkx+Kxp1q8J6Hr
7e0BIn9bWVsrn1pmp02++35LpZV7Y7VAP1952ch9/pC/VdK87u0/Qx97qK95b8AQQLQZDYChE3800eR13WbaxZzQID5VKNR2WVKOPpsA77pFC5nLubxyV55qTKwEAQA= aluno[unknown]]
emulator: INFO: GpsServices.cpp:315: Started GRC server at 127.0.0.1:8554, security: Local
emulator: INFO: EmulatorAdvertisment.cpp:33: Advertising in: /run/user/1001/evd/running/pid_33090.tnl
emulator: INFO: boot completed
emulator: INFO: boot time 45284 ms
emulator: Increasing screen off timeout, logcat buffer size to 2M.
emulator: Revoking microphone permissions for Google App.
```

aluno@lab-dacc-08:/media/arquivos/aosp\$ cd packages/apps/Settings
aluno@lab-dacc-08:/media/arquivos/aosp/packages/apps/Settings\$ git status
fatal: detected dubious ownership in repository at
'/media/arquivos/aosp/packages/apps/Settings'
To add an exception for this directory, call:

git config --global --add safe.directory /media/arquivos/aosp/packages/apps/Settings

