

Laboratorio 1: AOSP

```
administrador@lab-dacc-08:~$ sudo apt update
[sudo] senha para administrador:
Obter:1 file:/var/cuda-repo-ubuntu2004-11-6-local InRelease
Ign:1 file:/var/cuda-repo-ubuntu2004-11-6-local InRelease
Obter:2 file:/var/cuda-repo-ubuntu2004-11-6-local Release [564 B]
Obter:2 file:/var/cuda-repo-ubuntu2004-11-6-local Release [564 B]
Atingido:4 http://packages.microsoft.com/repos/code stable InRelease
Atingido:5 http://br.archive.ubuntu.com/ubuntu focal InRelease
Atingido:6 http://security.ubuntu.com/ubuntu focal-security InRelease
Atingido:7 http://ppa.launchpad.net/maarten-fonville/android-studio/ubuntu focal InRelease
Atingido:8 http://br.archive.ubuntu.com/ubuntu focal-updates InRelease
Atingido:9 http://br.archive.ubuntu.com/ubuntu focal-backports InRelease
Atingido:10 http://deb.anydesk.com all InRelease
Lendo listas de pacotes... Pronto
Construindo árvore de dependências
Lendo informação de estado... Pronto
111 pacotes podem ser atualizados. Corra 'apt list --upgradable' para vê-los.
administrador@lab-dacc-08:~$ sudo apt install git
Lendo listas de pacotes... Pronto
Construindo árvore de dependências
Lendo informação de estado... Pronto
git já é a versão mais recente (1:2.25.1-1ubuntu3.5).
0 pacotes atualizados, 0 pacotes novos instalados, 0 a serem removidos e 111 não
atualizados.
administrador@lab-dacc-08:~$ sudo apt install wget python3 python-is-python3
Lendo listas de pacotes... Pronto
Construindo árvore de dependências
Lendo informação de estado... Pronto
python-is-python3 já é a versão mais recente (3.8.2-4).
python3 já é a versão mais recente (3.8.2-0ubuntu2).
python3 configurado para instalar manualmente.
wget já é a versão mais recente (1.20.3-1ubuntu2).
wget configurado para instalar manualmente.
0 pacotes atualizados, 0 pacotes novos instalados, 0 a serem removidos e 111 não
atualizados.
administrador@lab-dacc-08:~$ git --versioj
unknown option: --versioj
usage: git [--version] [--help] [-C <path>] [-c <name>=<value>]
        [--exec-path[=<path>]] [--html-path] [--man-path] [--info-path]
        [-p | --paginate | -P | --no-pager] [--no-replace-objects] [--bare]
        [--git-dir=<path>] [--work-tree=<path>] [--namespace=<name>]
        <command> [<args>]
administrador@lab-dacc-08:~$ git --version
git version 2.25.1
administrador@lab-dacc-08:~$ git config --global user.name "Willen Duarte"
administrador@lab-dacc-08:~$ git config --global user.email willendudu12@gmail.com
administrador@lab-dacc-08:~$ mkdir bin; cd bin
administrador@lab-dacc-08:~/bin$ wget
https://storage.googleapis.com/git-repo-downloads/repo
--2022-10-05 16:02:32-- https://storage.googleapis.com/git-repo-downloads/repo
Resolvendo storage.googleapis.com (storage.googleapis.com)... 2800:3f0:4001:821::2010,
2800:3f0:4001:818::2010, 2800:3f0:4001:81f::2010, ...
Conectando-se a storage.googleapis.com
(storage.googleapis.com)[2800:3f0:4001:821::2010]:443... conectado.
A requisição HTTP foi enviada, aguardando resposta... 200 OK
Tamanho: 45277 (44K) [application/octet-stream]
Salvando em: "repo"
```

```
repo                                100%[=====>] 44,22K  --.-KB/s
em 0,09s
```

2022-10-05 16:02:33 (496 KB/s) - "repo" salvo [45277/45277]

```
administrador@lab-dacc-08:~/bin$ chmod 755 repo
administrador@lab-dacc-08:~/bin$ export PATH=$PATH:~/bin/
administrador@lab-dacc-08:~/bin$ echo "export PATH=$PATH:~/bin/
>
> ^C
administrador@lab-dacc-08:~/bin$ echo "export PATH=$PATH:~/bin/
^C
administrador@lab-dacc-08:~/bin$ echo "export PATH=$PATH:~/bin/" >> ~/.bashrc
administrador@lab-dacc-08:~/bin$ repo version
<repo not installed>
repo launcher version 2.21
      (from /usr/bin/repo)
git 2.25.1
Python 3.8.10 (default, Jun 22 2022, 20:18:18)
[GCC 9.4.0]
OS Linux 5.15.0-48-generic (#54~20.04.1-Ubuntu SMP Thu Sep 1 16:17:26 UTC 2022)
CPU x86_64 (x86_64)
Bug reports: https://bugs.chromium.org/p/gerrit/issues/entry?template=Repo+tool+issue
administrador@lab-dacc-08:~/bin$ cd ~
administrador@lab-dacc-08:~$ mkdir aosp; cd aosp
administrador@lab-dacc-08:~/aosp$ repo init --depth=1 -u
https://android.googlesource.com/platform/manifest -b android-12.0.0_r3
Downloading Repo source from https://gerrit.googlesource.com/git-repo
repo: Updating release signing keys to keyset ver 2.3
```

Your identity is: Willen Duarte <willendudu12@gmail.com>
If you want to change this, please re-run 'repo init' with --config-name

Testing colorized output (for 'repo diff', 'repo status'):

black	red	green	yellow	blue	magenta	cyan	white
bold	dim	ul	reverse				

Enable color display in this user account (y/N)? y

repo has been initialized in /home/administrador/aosp/
If this is not the directory in which you want to initialize repo, please run:

```
rm -r /home/administrador/aosp//.repo
```

and try again.

```
administrador@lab-dacc-08:~/aosp$ ls -al
```

```
total 12
```

```
drwxrwxr-x  3 administrador administrador 4096 out   5 16:09 .
drwxr-xr-x 34 administrador administrador 4096 out   5 16:09 ..
drwxrwxr-x  5 administrador administrador 4096 out   5 16:09 .repo
administrador@lab-dacc-08:~/aosp$ ls -al .repo
```

```
total 24
```

```
drwxrwxr-x  5 administrador administrador 4096 out   5 16:09 .
drwxrwxr-x  3 administrador administrador 4096 out   5 16:09 ..
drwxrwxr-x  2 administrador administrador 4096 out   5 16:09 manifests
drwxrwxr-x  8 administrador administrador 4096 out   5 16:09 manifests.git
-rw-rw-r--  1 administrador administrador  500 out   5 16:09 manifest.xml
drwxrwxr-x 11 administrador administrador 4096 out   5 16:09 repo
administrador@lab-dacc-08:~/aosp$ nano .repo/manifest.xml
administrador@lab-dacc-08:~/aosp$ nano .repo/manifest/default.xml
administrador@lab-dacc-08:~/aosp$ nano .repo/manifest/default.xml
```

```

administrador@lab-dacc-08:~/aosp$ ls
administrador@lab-dacc-08:~/aosp$ ls al
ls: não foi possível acessar 'al': Arquivo ou diretório inexistente
administrador@lab-dacc-08:~/aosp$ ls -al
total 12
drwxrwxr-x  3 administrador administrador 4096 out  5 16:09 .
drwxr-xr-x 34 administrador administrador 4096 out  5 16:09 ..
drwxrwxr-x  5 administrador administrador 4096 out  5 16:11 .repo
administrador@lab-dacc-08:~/aosp$ less .repo/manifest/default.xml
.repo/manifest/default.xml: Arquivo ou diretório inexistente
administrador@lab-dacc-08:~/aosp$ less .repo/manifest.xml
administrador@lab-dacc-08:~/aosp$ less .repo/manifests/default.xml
administrador@lab-dacc-08:~/aosp$ cat .repo/manifests/default.xml | grep '<project' | wc -l
1048
administrador@lab-dacc-08:/media/arquivos/aosp$ nano /proc/cpuinfo
administrador@lab-dacc-08:/media/arquivos/aosp$ cat /proc/cpuinfo | grep processor | wc -l
12
administrador@lab-dacc-08:/media/arquivos/aosp$ nproc --all
12
administrador@lab-dacc-08:/media/arquivos/aosp$ cd ~
administrador@lab-dacc-08:~$ repo sync -c -j12
error: command 'sync' requires repo to be installed first.
    Use "repo init" to install it here.
administrador@lab-dacc-08:~$ cd aosp/
administrador@lab-dacc-08:~/aosp$ repo sync -c -j12
administrador@lab-dacc-08:~/aosp$ cd ~
administrador@lab-dacc-08:~$ rm -rf aosp/
administrador@lab-dacc-08:~$ ls
Android          Imagens          NVIDIA_CUDA-11.4_Samples
'Área de Trabalho'  Modelos          Público
bin              Música            snap
Documentos        neanderlin64     'variables to activate nvidia.txt'
Downloads          netbeans-13      Vídeos
administrador@lab-dacc-08:~$ mv aosp-original aosp
mv: não foi possível obter estado de 'aosp-original': Arquivo ou diretório inexistente
administrador@lab-dacc-08:/media/arquivos/aosp$ find . | grep Integer.java
./cts/tests/location/location_gnss/src/android/location/cts/gnss/asn1/base/Asn1Integer.java
./dalvik/dexgen/src/com/android/dexgen/rop/cst/CstInteger.java
./dalvik/dx/src/com/android/dx/rop/cst/CstInteger.java
^C
administrador@lab-dacc-08:/media/arquivos/aosp$ find . | grep SQLite
./cts/tests/tests/database/src/android/database/cts/SQLiteCantOpenDatabaseExceptionTest.java
./cts/tests/tests/database/src/android/database/sqlite/cts/SQLiteAbortExceptionTest.java
./cts/tests/tests/database/src/android/database/sqlite/cts/SQLiteClosableTest.java
./cts/tests/tests/database/src/android/database/sqlite/cts/SQLiteConstraintExceptionTest.java
./cts/tests/tests/database/src/android/database/sqlite/cts/SQLiteCursorTest.java
./cts/tests/tests/database/src/android/database/sqlite/cts/SQLiteDatabaseCorruptExceptionTest.java
./cts/tests/tests/database/src/android/database/sqlite/cts/SQLiteDatabaseTest.java
./cts/tests/tests/database/src/android/database/sqlite/cts/SQLiteDiskIOExceptionTest.java
./cts/tests/tests/database/src/android/database/sqlite/cts/SQLiteDoneExceptionTest.java
./cts/tests/tests/database/src/android/database/sqlite/cts/SQLiteExceptionTest.java
./cts/tests/tests/database/src/android/database/sqlite/cts/SQLiteFtsTest.java
./cts/tests/tests/database/src/android/database/sqlite/cts/SQLiteFullExceptionTest.java
./cts/tests/tests/database/src/android/database/sqlite/cts/SQLiteMisuseExceptionTest.java
./cts/tests/tests/database/src/android/database/sqlite/cts/SQLiteOpenHelperTest.java
./cts/tests/tests/database/src/android/database/sqlite/cts/SQLiteProgramTest.java

```

./cts/tests/tests/database/src/android/database/sqlite/cts/SQLiteQueryBuilderTest.java
./cts/tests/tests/database/src/android/database/sqlite/cts/SQLiteQueryTest.java
./cts/tests/tests/database/src/android/database/sqlite/cts/SQLiteSecurityTest.java
./cts/tests/tests/database/src/android/database/sqlite/cts/SQLiteStatementTest.java
./cts/tests/tests/database/src/android/database/sqlite/cts/SQLiteWalTest.java
./cts/tests/tests/security/src/android/security/cts/SQLiteTest.java
./device/google/atv/FrameworkPackageStubs/src/com/android/browser/provider/SQLiteContentProvider.java