

Luego hay que instalar una distribución de linux con este comando `sudo apt install subversion g++ zlib1g-dev build-essential git \ python python3 python3-distutils libncurses5-dev gawk gettext unzip \ file libssl-dev wget libelf-dev ecj fastjar java-propose-classpath \ rsync swig time python3-setuptools libncursesw5-dev ccache xsltproc`

Lo siguiente es poner este comando:

```
git clone https://git.openwrt.org/openwrt/openwrt.git
```

```
leo@leo-VirtualBox:~$ git clone https://git.openwrt.org/openwrt/openwrt.git
Clonando en 'openwrt'...
remote: Enumerating objects: 538262, done.
remote: Counting objects: 100% (538262/538262), done.
remote: Compressing objects: 100% (146419/146419), done.
remote: Total 538262 (delta 375198), reused 531009 (delta 369403)
Recibiendo objetos: 100% (538262/538262), 161.00 MiB | 7.85 MiB/s, listo.
Resolviendo deltas: 100% (375198/375198), listo.
leo@leo-VirtualBox:~$
```

Lo siguiente es ir a la carpeta openwrt que se ha creado al hacer el comando anterior

Lo siguiente es poner estos comandos `./scripts/feeds update -a y`

```
./scripts/feeds install -a
```

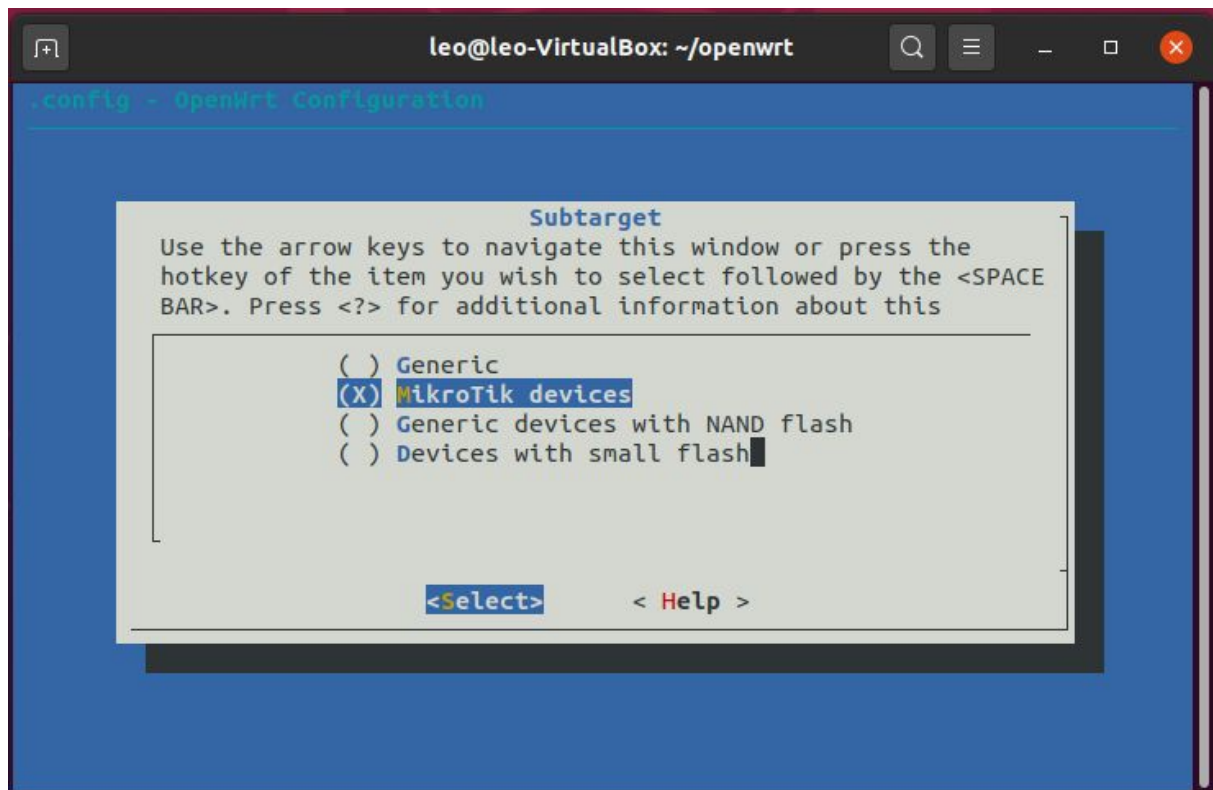
```
Build dependency: Please install GNU 'awk'

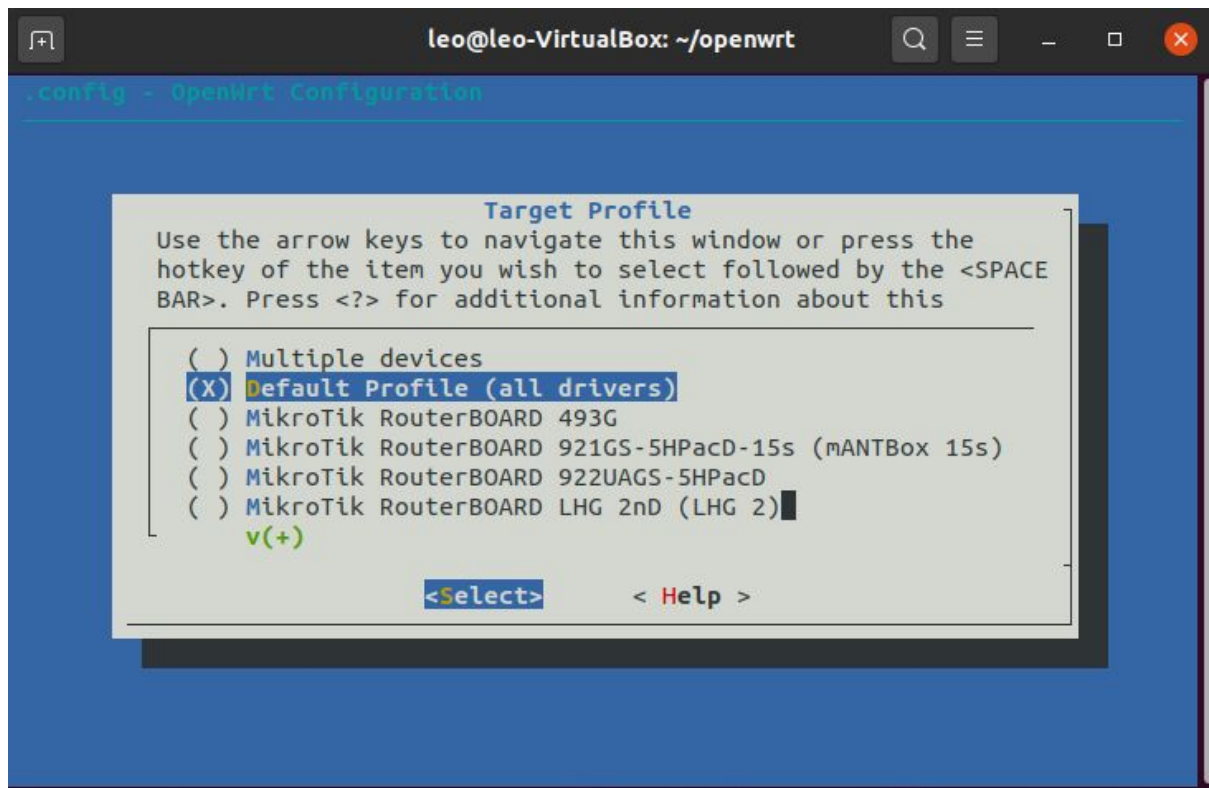
Prerequisite check failed. Use FORCE=1 to override.
make: *** [/home/leo/openwrt/include/toplevel.mk:186: staging_dir/host/.prereq-build] Error 1
awk: include/scan.awk: line 21: function asort never defined
awk: include/scan.awk: line 21: function asort never defined
Collecting package info: done
awk: include/scan.awk: line 21: function asort never defined
awk: include/scan.awk: line 21: function asort never defined
Collecting target info: done
leo@leo-VirtualBox:~/openwrt$ ./scripts/feeds install -a
Checking 'working-make'... ok.
Checking 'case-sensitive-fs'... ok.
Checking 'proper-umask'... ok.
Checking 'gcc'... ok.
Checking 'working-gcc'... ok.
Checking 'g++'... ok.
Checking 'working-g++'... ok.
Checking 'ncurses'... ok.
Checking 'perl-data-dumper'... ok.
Checking 'perl-thread-queue'... ok.
Checking 'tar'... ok.
```

Y ahora poniendo el comando `make menuconfig` se crea el menú el cual voy a empezar a configurar

Y se puede configurar un montón de cosas. Por ejemplo si queremos un router mikrotik podemos usar esta configuración

Una vez configurado lo deseado le doy a save para guardar.





Y por último hay que poner make para compilar

```
make[3] -C tools/ssstrip compile
make[3] -C tools/zip compile
make[3] -C tools/zstd compile
make[3] -C tools/expat compile
make[3] -C tools/gmp compile
make[3] -C tools/libelf compile
make[3] -C tools/mpfr compile
make[3] -C tools/mpc compile
make[3] -C tools/lzma-old compile
make[3] -C tools/squashfs compile
make[2] toolchain/compile
make[3] -C toolchain/gdb compile
make[3] -C toolchain/binutils compile
make[3] -C toolchain/gcc/initial compile
make[3] -C toolchain/kernel-headers compile
make[3] -C toolchain/musl compile
make[3] -C toolchain/gcc/final compile
make[3] -C toolchain/fortify-headers compile
make[2] target/compile
make[3] -C target/linux compile
make -r world: build failed. Please re-run make with -j1 V=s or V=sc for a higher verbosity level to see what's going on
make: *** [/home/leo/openwrt/include/toplevel.mk:236: world] Error 1
leo@leo-VirtualBox:~/openwrt$
```

Al compilarlo me dio este error, lo volví a repetir pero me volvió a salir este fallo que no se muy bien por que es. Por probar fui a la carpeta en la que se supone que debe estar la imagen pero no encuentre nada

Ejecute el comando `make -j1 V=sc` para ver el error y me salio esto

```
leo@leo-VirtualBox: ~/openwrt$  
lz_encoder.c:(.text+0x61): undefined reference to `lzma_free'  
/usr/bin/ld: ../Utilities/cmliblzma/libcmliblzma.a(lz_encoder.o): in function `lz_encoder_update':  
lz_encoder.c:(.text+0x353): undefined reference to `lzma_next_filter_update'  
/usr/bin/ld: ../Utilities/cmliblzma/libcmliblzma.a(lz_encoder_mf.o): in function `lzma_mf_hc3_find':  
lz_encoder_mf.c:(.text+0x683): undefined reference to `lzma_crc32_table'  
/usr/bin/ld: ../Utilities/cmliblzma/libcmliblzma.a(lz_encoder_mf.o): in function `lzma_mf_hc3_skip':  
lz_encoder_mf.c:(.text+0x7d7): undefined reference to `lzma_crc32_table'  
/usr/bin/ld: ../Utilities/cmliblzma/libcmliblzma.a(lz_encoder_mf.o): in function `lzma_mf_hc4_find':  
lz_encoder_mf.c:(.text+0x968): undefined reference to `lzma_crc32_table'  
/usr/bin/ld: ../Utilities/cmliblzma/libcmliblzma.a(lz_encoder_mf.o): in function `lzma_mf_hc4_skip':  
lz_encoder_mf.c:(.text+0xb87): undefined reference to `lzma_crc32_table'  
/usr/bin/ld: ../Utilities/cmliblzma/libcmliblzma.a(lz_encoder_mf.o): in function `lzma_mf_bt3_find':  
lz_encoder_mf.c:(.text+0xfad): undefined reference to `lzma_crc32_table'  
/usr/bin/ld: ../Utilities/cmliblzma/libcmliblzma.a(lz_encoder_mf.o):lz_encoder_mf.c:(.text+0x111d): more undefined references to `lzma_crc32  
_table' follow  
collect2: error: ld returned 1 exit status  
make[6]: *** [Source/CMakeFiles/cmake.dir/build.make:136: bin/cmake] Error 1  
make[6]: Leaving directory '/home/leo/openwrt/build_dir/host/cmake-3.18.2'  
make[5]: *** [CMakeFiles/Makefile2:1179: Source/CMakeFiles/cmake.dir/all] Error 2  
make[5]: Leaving directory '/home/leo/openwrt/build_dir/host/cmake-3.18.2'  
make[4]: *** [Makefile:182: all] Error 2  
make[4]: Leaving directory '/home/leo/openwrt/build_dir/host/cmake-3.18.2'  
make[3]: *** [Makefile:51: /home/leo/openwrt/build_dir/host/cmake-3.18.2/.built] Error 2  
make[3]: Leaving directory '/home/leo/openwrt/tools/cmake'  
time: tools/cmake/compile#767.77#40.32#825.32  
make[2]: *** [tools/Makefile:158: tools/cmake/compile] Error 2  
make[2]: Leaving directory '/home/leo/openwrt/  
make[1]: *** [tools/Makefile:154: /home/leo/openwrt/staging_dir/host/stamp/.tools_compile_yyynnyynnnyyyyyyyynnyyyyyyyyyyyyyyyyyyyyynnyyyyy  
yyyyy] Error 2  
make[1]: Leaving directory '/home/leo/openwrt/  
make: *** [/home/leo/openwrt/include/toplevel.mk:236: world] Error 2  
leo@leo-VirtualBox:~/openwrt$
```