/home/sindre/Desktop/Prosjekt_Innebygde/MAS245_Prosjekt/Del_3/buildroot-project-2022h/buildroot
/

Buildroot 2022.08.1 Configuration
Arrow keys navigate the menu. <Enter> selects submenus ---> (or empty submenus ----).
Highlighted letters are hotkeys. Pressing <Y> selects a feature, while <N> excludes a
feature. Press <Esc><Esc> to exit, <?> for Help, </> for Search. Legend: [*] feature
is selected [ ] feature is excluded

```
        Target options  --->
        Toolchain  --->
        Build options  --->
        System configuration  --->
        Kernel  --->
        Target packages  --->
        Filesystem images  --->
        Bootloaders  --->
        Host utilities  --->
        Legacy config options  --->
```

<Select>   < Exit >   < Help >   < Save >   < Load >

/home/sindre/Desktop/Prosjekt_Innebygde/MAS245_Prosjekt/Del_3/buildroot-project-2022h/buildroot
/→ Target options

Target options
Arrow keys navigate the menu. <Enter> selects submenus ---> (or empty submenus ----).
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is selected [ ] feature is excluded

```
        Target Architecture (ARM (little endian))  --->
        Target Architecture Variant (cortex-A53)  --->
        Target ABI (EABIhf)  --->
        Floating point strategy (NEON/VFPv4)  --->
        ARM instruction set (ARM)  --->
        Target Binary Format (ELF)  --->
```

<Select>   < Exit >   < Help >   < Save >   < Load >

/home/sindre/Desktop/Prosjekt_Innebygde/MAS245_Prosjekt/Del_3/buildroot-project-2022h/buildroot/.conf
i→System configuration

```
                          System configuration
  Arrow keys navigate the menu.  <Enter> selects submenus ---> (or empty submenus ----).
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  selected [ ] feature is excluded
 ┌──────────────────────────────────────────────────────────────────────────────────┐
 │           Root FS skeleton (default target skeleton)  --->                         │
 │   (mas245-linux-2022) System hostname                                              │
 │   (Welcome to MAS245-Linux) System banner                                          │
 │           Passwords encoding (sha-256)  --->                                       │
 │           Init system (BusyBox)  --->                                              │
 │           /dev management (Dynamic using devtmpfs only)  --->                      │
 │   (system/device_table.txt) Path to the permission tables                          │
 │   [ ] support extended attributes in device tables                                 │
 │   [ ] Use symlinks to /usr for /bin, /sbin and /lib                                │
 │   [*] Enable root login with password                                              │
 │   (mas245LINUX2022-11) Root password                                               │
 │           /bin/sh (busybox' default shell)  --->                                   │
 │   [*] Run a getty (login prompt) after boot  --->                                  │
 │   [*] remount root filesystem read-write during boot                               │
 │   (eth0) Network interface to configure through DHCP                               │
 │   (/bin:/sbin:/usr/bin:/usr/sbin) Set the system's default PATH                    │
 │   [*] Purge unwanted locales                                                       │
 │   (C en_US) Locales to keep                                                        │
 │   [ ] Enable Native Language Support (NLS)                                         │
 │   [ ] Install timezone info                                                        │
 │   ()  Path to the users tables                                                     │
 │   (/home/student/Desktop/buildroot-project-2022h/mas245-rootfs-overlay/) Root files│
 │   ()  Custom scripts to run before commencing the build                            │
 │   (board/raspberrypi3/post-build.sh) Custom scripts to run before creating filesyst│
 │   ()  Custom scripts to run inside the fakeroot environment                        │
 │   (board/raspberrypi3/post-image.sh) Custom scripts to run after creating filesyste│
 │   ()   Extra arguments passed to custom scripts                                    │
 └──────────────────────────────────────────────────────────────────────────────────┘
            <Select>     < Exit >     < Help >     < Save >     < Load >
```

/home/sindre/Desktop/Prosjekt_Innebygde/MAS245_Prosjekt/Del_3/buildroot-project-2022h/buildroot/.conf
i→Target packages →Networking applications

```
                          Networking applications
  Arrow keys navigate the menu.  <Enter> selects submenus ---> (or empty submenus ----).
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 ┌──────────────↑(-)────────────────────────────────────────────────────────────────┐
 │   [ ] bluez-utils                                                                  │
 │   [ ] bmon                                                                         │
 │   [ ] bmx7                                                                         │
 │   [ ] boinc                                                                        │
 │   [ ] brcm-patchram-plus                                                           │
 │   [ ] bridge-utils                                                                 │
 │   [ ] bwm-ng                                                                       │
 │   [ ] c-icap                                                                       │
 │   [*] can-utils                                                                    │
 │   [ ] cannelloni                                                                   │
 │       *** casync needs a glibc toolchain ***                                       │
 │   [ ] cfm                                                                          │
 │   [ ] chrony                                                                       │
 │   [ ] civetweb                                                                     │
 │   [ ] connman                                                                      │
 │       *** connman-gtk needs libgtk3 and a glibc or uClibc toolchain w/ wchar, threa│
 │   [ ] conntrack-tools                                                              │
 │   [ ] corkscrew                                                                    │
 │   [ ] crda                                                                         │
 │   [ ] ctorrent                                                                     │
 │   [ ] cups                                                                         │
 │   [ ] dante                                                                        │
 │   [ ] darkhttpd                                                                    │
 │   [ ] dehydrated                                                                   │
 │   [*] dhcpcd                                                                       │
 │   [ ] dhcpdump                                                                     │
 │   [ ] dnsmasq                                                                      │
 │   [ ] drbd-utils                                                                   │
 │   ↓(+)                                                                             │
 └──────────────────────────────────────────────────────────────────────────────────┘
            <Select>     < Exit >     < Help >     < Save >     < Load >
```

```
sindre@sindre-OMEN-by-HP-Laptop-17-an0xx:~/Desktop$ ssh root@192.168.245.245
root@192.168.245.245's password:
# modprobe spi_bcm2835
# modprobe mcp251x
# /sbin/ip link set can0 up type can bitrate 250000
# candump can0
  can0  123   [8]  11 22 33 44 55 66 77 88
^[S
```

```
sindre@sindre-OMEN-by-HP-Laptop-17-an0xx:~/Desktop$ sudo ip link set can0 type can bitr
ate 250000
[sudo] password for sindre:
sindre@sindre-OMEN-by-HP-Laptop-17-an0xx:~/Desktop$ sudo ip link set up can0
sindre@sindre-OMEN-by-HP-Laptop-17-an0xx:~/Desktop$ cansend can0 123#1122334455667788
sindre@sindre-OMEN-by-HP-Laptop-17-an0xx:~/Desktop$
```