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Build sw (tested on debian 10)

build rootfs

Download

rootfs.tar.gz

```
tar -xf rootfs.tar.gz
cd rootfs
make
```

result:

- buildroot-2020.05.1/output/images/rootfs.cpio.uboot # rootfs
- buildroot-2020.05.1/output/host/bin/aarch64-none-linux-gnu-gcc #comiler
- BR=<...>/buildroot-2020.05.1 # path to buildroot (for linux kernel build)

build linux

#Download kernel_inmys_imx8m_patch.patch.gz

```
git clone https://source.codeaurora.org/external/imx/linux-imx -b
imx_5.4.24_2.1.0 --depth 1
cd linux-imx
gunzip kernel_inmys_imx8m_patch.patch.gz
patch -p1 < kernel_inmys_imx8m_patch.patch
make ARCH=arm64 CROSS_COMPILE=${BR}/output/host/bin/aarch64-none-linux-
gnu- inmys_imx8mq_uq7_defconfig
make ARCH=arm64 CROSS_COMPILE=${BR}/output/host/bin/aarch64-none-linux-
gnu- Image
make ARCH=arm64 CROSS_COMPILE=${BR}/output/host/bin/aarch64-none-linux-
gnu- freescale/inmys-imx8mq-uq7-mb-hdmi.dtb
```

result:

- arch/arm64/boot/Image
- arch/arm64/boot/dts/freescale/inmys-imx8mq-uq7-mb-hdmi.dtb

Rootfs settings

change ip:

```
savevar.sh kernel NETWORK_IP   192.168.1.198 # ip on eth0
savevar.sh kernel NETWORK_IP_1 192.168.2.198 # ip on eth1
```

script run on start:

```
/mnt/store/postup.sh
```