Linux - How to build and flash spirom

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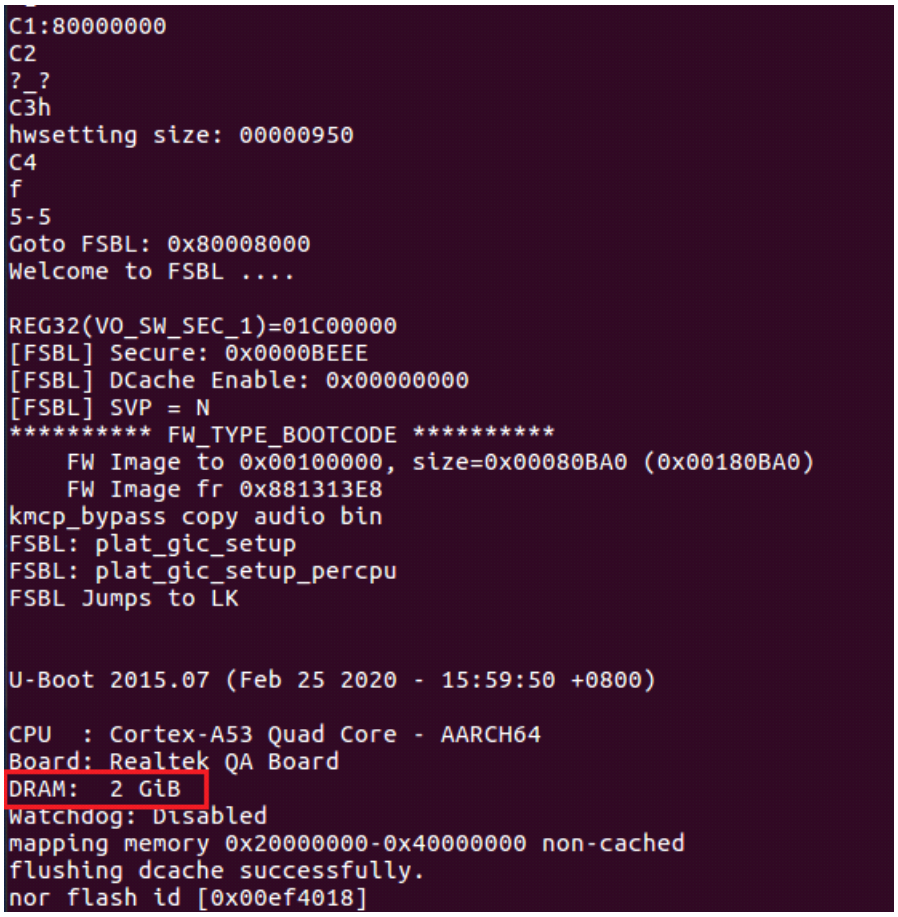
Check whether the 1GB board is old batch

1. Prepare a USB serial cable and connect debug port to PC terminal
2. Switch SW2 to '0' for sd boot
3. Power on the board and check the beginning of the debug messages, If your board is actually 1GB but the debug message show 2GB, then you must update the spirom.



Build the spirom

1. Get the source code

```
$ git clone https://github.com/BPI-SINOVOIP/BPI-M4-bsp
```

2. According to the README.md to compile the spirom, 1GB or 2GB version.

Flash the spirom

1. Prepare a bootable sdcard with bpi linux image flashed.

2. Connect debug serial cable to PC terminal.

3. Prepare a udisk with fat32 format, copy the right spirom firmware, spiloader-1GB.bin or spiloader-2GB.bin to udisk. Plug udisk to board.

3. Press "Esc" and power on the board to enter uboot command mode.

4. Flash the firmware to board,

```
BPI-M4> usb start
BPI-M4> fatload usb 0:1 0x01500000 spiloader-1GB.bin
BPI-M4> go 0x01500000
```