

```
1  #!/bin/bash
2  # Spinelli Isaia
3
4  echo "-----Initialize 400MiB to 0"
5  sudo dd if=/dev/zero of=/dev/sdb bs=4k count=100000 status=progress
6  echo "--sync"
7  sync
8
9  echo "-----First sector: msdos"
10 sudo parted /dev/sdb mklabel msdos
11
12 echo "-----Copy sunxi-spl.bin binaries"
13 sudo dd if=~/.workspace/nano/buildroot/output/images/sunxi-spl.bin of=/dev/sdb bs=512
14 seek=16 status=progress
15
16 echo "-----Copy u-boot"
17 sudo dd if=~/.workspace/nano/buildroot/output/images/u-boot.itb of=/dev/sdb bs=512
18 seek=80 status=progress
19
20 echo "-----1st partition: 64MiB: (163840-32768)*512/1024 = 64MiB " #(sudo fdisk
21 /dev/sdb - interactiv)
22
23 sudo parted /dev/sdb mkpart primary ext4 32768s 163839s
24
25 echo "-----2nd partition: 1GiB: 4358144-163840)*512/1024 = 1GiB"
26 sudo parted /dev/sdb mkpart primary ext4 163840s 4358143s
27 sudo mkfs.ext4 /dev/sdb1
28 sudo mkfs.ext4 /dev/sdb2 -L rootfs
29 echo "--sync"
30 sync
31
32 echo "-----Copy kernel, flattened device tree, boot.scr"
33 sudo mount /dev/sdb1 /run/media/lmi/
34 sudo cp ~/.workspace/nano/buildroot/output/images/Image /run/media/lmi
35 sudo cp ~/.workspace/nano/buildroot/output/images/nanopi-neo-plus2.dtb /run/media/lmi
36 sudo cp ~/.workspace/nano/buildroot/output/images/boot.scr /run/media/lmi
37 echo "--sync"
38 sync
39
40 echo "-----Rename 1st partition to BOOT"
41 sudo umount /dev/sdb1
42 sudo e2label /dev/sdb1 BOOT
43 # sudo fatlabel /dev/sdb1 BOOT
44
45 echo "-----Copy rootfs"
46 sudo dd if=~/.workspace/nano/buildroot/output/images/rootfs.ext4 of=/dev/sdb2
47 status=progress
48
49 echo "-----Resize and rename 2nd partition to rootfs"
50 echo "-----Check if the partition must be mounted"
51 sudo umount /dev/sdb2
52 sudo e2fsck -f /dev/sdb2
53 sudo resize2fs /dev/sdb2
54 sudo e2label /dev/sdb2 rootfs
```