

1. install arm toolchain

```
sudo apt-get install gcc-arm-linux-gnueabi
```

2. install mkimage tool

```
sudo apt-get install u-boot-tools
```

3. Marvell修改过的kernel 3.18.7

4. `.config` 复制到source directory
`.config` is for gr2 / gs2 board

5. build kernel

```
make ARCH=arm CROSS_COMPILE=arm-linux-gnueabi-
```

6. generated ulmage in arch/arm/boot directory (参考《ulmage是怎么来的》一文)

```
bash ./scripts/mkuboot.sh -A arm -O linux -C none -T kernel -a 0x00008000 -e  
0x00008000 -n 'Linux-3.18.7-yocto-standard' -d arch/arm/boot/zImage  
arch/arm/boot/ulmage
```

7. create bootable sd card

```
$ > sudo dd if=core-image-pegmatite-bsp-granite2.ext3.image of=/dev/sdc  
/dev/sdc is sd card.
```

8. replace original ulmage with the generated ulmage

```
sudo cp arch/arm/boot/ulmage /media/walterzh/916c6b2e-532d-4bcf-9b99-  
582afa0dcad9/boot/ulmage-3.18.7-yocto-standard
```