

1、将 uboot_tiny4412-sdk1506.tar 包拷贝到 linux 系统下面任意目录，解压打开。



最好是以超级管理员的权限登录：sudo su，不然解压过程或者执行 make tiny4412_config 配置文件的时候或发生错误，这里我解压到的是桌面上。

2、进入 uboot_tiny4412-sdk1506，执行配置命令 make tiny4412_config，然后执行 make 命令，完成如下图所示：

```
arm-linux-ld: warning: creating a DT_TEXTREL in object.  
arm-linux-objcopy -O srec u-boot u-boot.srec  
arm-linux-objcopy --gap-fill=0xff -O binary u-boot u-boot.bin  
ubuntu@ubuntu:~/Desktop/uboot_tiny4412-sdk1506$
```

在原有的目录中生成了：u-boot.bin

```
ubuntu@ubuntu:~/Desktop/uboot_tiny4412-sdk1506$ ls  
api          disk          Makefile      snapshot.commit  
arch         doc           mkconfig      System.map  
board        drivers       nand_spl      tools  
boards.cfg   examples     net           u-boot  
common       fs            onenand_ipl   u-boot.bin  
config.mk    include      post          u-boot.lds  
COPYING      lib          README        u-boot.map  
COPYING.txt  MAINTAINERS  rules.mk      u-boot.srec  
CREDITS      MAKEALL      sd_fuse       uboot_tiny4412-sdk1506.tar.bz2  
ubuntu@ubuntu:~/Desktop/uboot_tiny4412-sdk1506$
```

3、进入/sd_fuse/tiny4412，插上 sd 卡，检测 linux 中是否可以读取 sd 卡：

插卡前：

```
ubuntu@ubuntu:~/Desktop/uboot_tiny4412-sdk1506/sd_fuse$ ls /dev/sd*  
/dev/sda /dev/sda1 /dev/sda2 /dev/sda5  
ubuntu@ubuntu:~/Desktop/uboot_tiny4412-sdk1506/sd_fuse$
```

插卡后：

```
ubuntu@ubuntu:~/Desktop/uboot_tiny4412-sdk1506/sd_fuse$ ls /dev/sd*  
/dev/sda /dev/sda1 /dev/sda2 /dev/sda5 /dev/sdb
```

4、将 uboot 烧录到 sd 卡中，执行./sd_fuse.sh /dev/sdb

```
ubuntu@ubuntu:~/Desktop/uboot_tiny4412-sdk1506/sd_fuse/tiny4412$ ./sd_fusing.sh
/dev/sdb
/dev/sdb reader is identified.
-----
BL1 fusing
dd: failed to open '/dev/sdb': Permission denied
-----
BL2 fusing
dd: failed to open '/dev/sdb': Permission denied
-----
u-boot fusing
dd: failed to open '/dev/sdb': Permission denied
-----
TrustZone S/W fusing
dd: failed to open '/dev/sdb': Permission denied
-----
U-boot image is fused successfully.
Eject SD card and insert it again.
ubuntu@ubuntu:~/Desktop/uboot_tiny4412-sdk1506/sd_fuse/tiny4412$
```

```
ubuntu@ubuntu:~/Desktop/uboot_tiny4412-sdk1506/sd_fuse/tiny4412$ sudo su
[sudo] password for ubuntu:
root@ubuntu:/home/ubuntu/Desktop/uboot_tiny4412-sdk1506/sd_fuse/tiny4412# ./sd_fusing.sh /dev/sdb
/dev/sdb reader is identified.
-----
BL1 fusing
16+0 records in
16+0 records out
8192 bytes (8.2 kB) copied, 0.0943557 s, 86.8 kB/s
-----
BL2 fusing
28+0 records in
28+0 records out
14336 bytes (14 kB) copied, 0.23176 s, 61.9 kB/s
-----
u-boot fusing
541+1 records in
541+1 records out
277108 bytes (277 kB) copied, 2.67719 s, 104 kB/s
-----
TrustZone S/W fusing
184+0 records in
184+0 records out
94208 bytes (94 kB) copied, 0.855567 s, 110 kB/s
-----
U-boot image is fused successfully.
Eject SD card and insert it again.
root@ubuntu:/home/ubuntu/Desktop/uboot_tiny4412-sdk1506/sd_fuse/tiny4412#
```