手把手教你烧写烧写u-boot、kernel、rootfs（目标平台S3C2410）

内核分区空间：

Creating 4 MTD partitions on "NAND 64MiB 3,3V 8-bit":

0x00000000-0x00080000 : "Bootloader"

0x00080000-0x00280000 : "Linux Kernel"

0x00280000-0x00680000 : "Root File System"

0x00680000-0x04000000 : "User Space"

烧写u-boot：

tftp 0x30008000 u-boot.bin

nand erase 0x0 0x80000

nand write 0x30008000 0x0 0x80000

烧写内核：

tftp 0x30008000 uImage

nand erase 0x80000 0x200000

nand write 0x30008000 0x80000 0x200000

烧写文件系统：

tftp 0x30008000 root.cramfs

nand erase 0x280000 0x400000

nand write 0x30008000 0x280000 0x400000

[smdk2410#]setenv bootcmd nand read 0x30008000 0x80000 0x200000\;bootm

[smdk2410#]saveenv

[smdk2410#]setenv bootargs root=/dev/mtdblock2 init=/linuxrc console=ttySAC0,115200

[smdk2410#]saveenv

Saving Environment to NAND...

Erasing Nand...Writing to Nand... done

[smdk2410#]printenv

bootargs=root=/dev/mtdblock3 init=/linuxrc console=ttySAC0,115200

bootcmd=tftp; bootm

bootdelay=3

baudrate=115200

ethaddr=08:00:3e:26:0a:5b

ipaddr=192.168.1.131

serverip=192.168.1.132

netmask=255.255.255.0

bootfile="uImage"

stdin=serial

stdout=serial

stderr=serial

修改ROOT分区

[smdk2410#]setenv bootargs root=/dev/mtdblock2 init=/linuxrc

console=ttySAC0,115200

[smdk2410#]saveenv

修改TFTP到NANDFLASH

[smdk2410#]setenv bootcmd nand read 0x30008000 0x80000 0x200000\; bootm

[smdk2410 #]printenv

bootargs=root=/dev/mtdblock2 init=/linuxrc console=ttySAC0,115200

bootdelay=3

baudrate=115200

ethaddr=08:00:3e:26:0a:5b

ipaddr=192.168.1.131

serverip=192.168.1.132

netmask=255.255.255.0

bootfile="uImage"

stdin=serial

stdout=serial

stderr=serial

bootcmd=nand read 0x30008000 0x80000 0x160000; bootm

Environment size: 298/16380 bytes

[smdk2410#]saveenv

Saving Environment to NAND...

Erasing Nand...Writing to Nand... done

[smdk2410#]reset

这样重启过后就会进入我们所移植的linux系统中，所有烧写工作完成。