

```

u - boot      arm      x86      zImage
.      zImage      loader(head.S+head-s3c2410.S
)+      strip      piggy.o      (piggy.o      ).
      zImage      zImage      가
      relocation      .
,      asm      가
.

```

```

      u - boot      zImage
mkimage              u - boot

```

```

mkimage          u-boot          (image_header+compressed
kernel image)    -a              가              -e
가              (entry point).
```

```
cmd_bootm.c   do_bootm()   CFG_LOAD_ADDR
가            load_addr   가            bootm
가            .(         mkimage   -a   가
가            )
```

```
-a      image header    ih_load
```

os (Linux)  
jump (-e option entry point . -a -e가  
. 가 loading entry point가).

ARM loading 가 , physical  
start address + 0x8000 . S3C2410 0x30000000+0x8000 = 0x30008000  
(  
) , 0x30000100 parameter tag가 가 0x30004000 mmu table(?  
..ㅎㅎ) 0x4000 가 .

```

do_bootm_linux()      ppc
cmd_bootm.c            , arm      lib_arm/armlinux.c  do_bootm_linux()
    .(u-boot           .      README
    )

do_bootm_linux()      ramdisk      가      (crc)      ramdisk
                        (parameter tag가      가      physical ram
start address+0x100 = 2410      0x30000100      ).

                        ppc      arm      ...ppc      structure
                        (      ), arm      tag
                        가      (      ).

- u-boot
    Makefile      . vmlinux      (boot:
vmlinux)
....
boot: vmlinux

    @$(MAKE) CFLAGS="$(CFLAGS) $(CFLAGS_KERNEL)" -C arch/$(ARCH)/boot

#ghcstop
uImage: vmlinux

    $(OBJCOPY) -S -O binary vmlinux vmlinux.bin
    gzip -vf9 vmlinux.bin
    mkimage -A arm -O linux -T kernel -C gzip -a 0x30008000 \
    -e 0x30008000 -n 'ARM Linux-$(VERSION).$(PATCHLEVEL).$(SUBLEVEL)' \
    -d ./vmlinux.bin.gz $@
    cp $@ /tftpboot

nImage: vmlinux

    $(OBJCOPY) -S -O binary vmlinux vmlinux.bin
    mkimage -A arm -O linux -T kernel -C none -a 0x30008000 \
    -e 0x30008000 -n 'ARM Linux-$(VERSION).$(PATCHLEVEL).$(SUBLEVEL)' \
    -d ./vmlinux.bin $@

```

```
cp $@ /tftpboot
```

....

```
ulmage      gzip      u-boot      , nlmage  gzip
```

```
u-boot      .
```

```
.      cp $@ /tftpboot  tftp
```

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2003.09.26