

http://10.19.133.165/release/gcc/mgcc-4.6/201307-2123-4.6.4/little-endian/v7/host-x86_64-linux/armv7r-marvell-eabi-soft_x86_64_20130716.tar.bz2

使用该toolchain可以build r4-freertos successfully.

解压该toolchain到 r4-freertos/toolchain/Marvell_4.6.4_toolchain_20130716 directory

对Makefile-os修改如下

```
1. diff --git a/Makefile-os b/Makefile-os
2. index 6337b30..4b291cb 100644
3. --- a/Makefile-os
4. +++ b/Makefile-os
5. @@ -57,7 +57,9 @@ else # ($(UNAME),WindowsNT)
6. # fully describing the version of the toolchain with date_version_endian_host etc is helpful
7. # ln -s /opt/mrvlcompiler/2009q3-18-4.2.0_little-endian_host-i686-linux /opt/armgcc
8.
9. -ARM_ROOT := /opt/armgcc_M6220r_eabi
10. +#ARM_ROOT := /opt/armgcc_M6220r_eabi
11. +#ARM_ROOT := /opt/freertos-toolchain/gcc-arm-none-eabi-4_7-2013q1
12. +ARM_ROOT := /home/walterzh/work2/LSP/ccsgit/r4-freertos/toolchain/Marvell_4.6.4_toolchain_20130716/armv7r-marvell-eabi-soft_x86_64
13.
14. #if there is TOOLCHAIN_ID defined, use it to find right toolchain
15. ifdef TOOLCHAIN_ID
16. @@ -85,6 +87,8 @@ endif
17. #use default if TOOL_PREFIX is not defined
18. ifndef TOOL_PREFIX
19. TOOL_PREFIX = arm-marvell-eabi
20. +#TOOL_PREFIX = arm-none-eabi
21. +
22. endif
23.
24. # TOOLCHAIN can be provided
```

其他不要修改！

```

1. walterzh@walterzh-Precision-T1650:~/work2/LSP/ccsgit/r4-freertos-lowpower$ g
   it diff
2. diff --git a/Makefile-os b/Makefile-os
3. index 6337b30..0403cc0 100644
4. --- a/Makefile-os
5. +++ b/Makefile-os
6. @@ -57,7 +57,7 @@ else # ($(UNAME),WindowsNT)
7.    # fully describing the version of the toolchain with date_version_endian_ho
   st etc is helpful
8.    # ln -s /opt/mrvlcompiler/2009q3-18-4.2.0_little-endian_host-i686-linux /op
   t/armgcc
9.
10. -ARM_ROOT := /opt/armgcc_M6220r_eabi
11. +ARM_ROOT := /home/walterzh/work2/LSP/ccsgit/r4-freertos/toolchain/Marvell_4
   .6.4_toolchain_20130716/armv7r-marvell-eabi-soft_x86_64
12.
13. #if there is TOOLCHAIN_ID defined, use it to find right toolchain
14. ifdef TOOLCHAIN_ID

```

真正的差异就是指定正确的toolchain!

Note:

in Makefile-os

ARMLINK = (ARM_{OOT})/bin/(TOOL_PREFIX)-gcc

这没有错，如果改成

| ARMLINK = (ARM_{OOT})/bin/(TOOL_PREFIX)-ld

反而链接会报错！