

in linux/Makefile

下面一些options可以用来定制kernel compiling

```
1. KBUILD_CPPFLAGS := -D__KERNEL__
```

c预处理(cpp)阶段，比如这里的macro definition

```
1. KBUILD_CFLAGS := -Wall -Wundef -Wstrict-prototypes -Wno-trigraphs \  
2.               -fno-strict-aliasing -fno-common \  
3.               -Werror-implicit-function-declaration \  
4.               -Wno-format-security \  
5.               -std=gnu89
```

add / modify gcc的compile options

```
1. KBUILD_AFLAGS := -D__ASSEMBLY__
```

add assembly macro on KBUILD\_AFLAGS

```
1. KBUILD_CFLAGS_MODULE := -DMODULE
```

add macro for module building

kernel的include path

```
1. # Use USERINCLUDE when you must reference the UAPI directories only.
2. USERINCLUDE      := \
3.                 -I$(srctree)/arch/$(hdr-arch)/include/uapi \
4.                 -Iarch/$(hdr-arch)/include/generated/uapi \
5.                 -I$(srctree)/include/uapi \
6.                 -Iinclude/generated/uapi \
7.                 -include $(srctree)/include/linux/kconfig.h
8.
9. # Use LINUXINCLUDE when you must reference the include/ directory.
10. # Needed to be compatible with the O= option
11. LINUXINCLUDE      := \
12.                 -I$(srctree)/arch/$(hdr-arch)/include \
13.                 -Iarch/$(hdr-arch)/include/generated \
14.                 $(if $(KBUILD_SRC), -I$(srctree)/include) \
15.                 -Iinclude \
16.                 $(USERINCLUDE)
```