

在下载 gcc for arm的时候，往往会有很多个版本：



Parent Directory

aarch64-elf

aarch64-linux-gnu

aarch64_be-elf

aarch64_be-linux-gnu

arm-eabi

arm-linux-gnueabi

arm-linux-gnueabihf

armeb-eabi

armeb-linux-gnueabi

armeb-linux-gnueabihf

armv8l-linux-gnueabihf

<https://blog.csdn.net/Namcodream521>

这些版本的区别是什么？ 我该下载哪个版本？

区别无外乎几个：大端 or 小端、ARMv7 or ARMv8、32位 or 64位、裸机 or 嵌入式 Linux

multiarch name	syscall ABI	instruction set	endianness	word size	description	spec documents
aarch64-linux-gnu	linux	ARMv8	little	64	aarch64 Linux Platform	AAPCS64 (ARM IHI 005A) ¹ ELF for the ARM 64-bit Architecture ²
aarch64_be-linux-gnu	linux	ARMv8	big	64	aarch64 Linux Platform	AAPCS64 (ARM IHI 005A) ¹ ELF for the ARM 64-bit Architecture ²
aarch64-linux-gnu_ilp32	linux	ARMv8	little	32	aarch64 Linux Platform	
aarch64_be-linux-gnu_ilp32	linux	ARMv8	big	32	aarch64 Linux Platform	
arm-linux-gnu	linux	ARMv7	little	32	Old ARM ABI	APCS (ARM DUI 0041 chapter 9) ⁴
arm-linux-gnueabi	linux	ARMv7	little	32	ARM EABI, soft-float	AAPCS (ARM IHI 0042D) ⁵ ARM GNU/Linux ABI Supplement ⁶

arm-linux-gnueabihf	linux	ARMv7	little	32	ARM EABI, hard-float	AAPCS (ARM IHI 0042D) 5 and XXXXX (TBD)
armeb-linux-gnueabi	linux	ARMv7	big	32	ARM EABI, soft-float	AAPCS (ARM IHI 0042D) 5 ARM GNU/Linux ABI Supplement 6
armeb-linux-gnueabihf	linux	ARMv7	big	32	ARM EABI, hard-float	AAPCS (ARM IHI 0042D) 5 and XXXXX (TBD)
armv8l-linux-gnueabihf	linux	ARMv8	little	32	ARMv8 EABI, hard-float	
arm-eabi	Bare-Metal	ARMv7	little	32	ARM EABI, soft-float	
armeb-eabi	Bare-Metal	ARMv7	big	32	ARM EABI, soft-float	
aarch64-elf	Bare-Metal	ARMv8	little	64	ARMv8 EABI, hard-float	
aarch64_be-elf	Bare-Metal	ARMv8	big	64	ARMv8 EABI, hard-float	