Linux From Scratch - Version 12.4

LFS

Multilib Edition

Multilib

x86 64bit word . word
bit . x86 32bit word ,
. 64bit 32bit
, ( ) 64
.

(Multilib) 32bit 64bit CPU
.

Multilib

?

, LFS ' '
. 32-bit
, 32-bit (
) LFS-Multilib . .

- 32-bit .

. LFS-Multlib .
- LFS VirtualBox Multilib .
-

LFS Multilib Edition
. Multilib Edition x86_64 ,
(32-bit 64-bit) .

LFS .
. LFS
, Edition
.

Multilib

' ' LFS
.
: 64-bit , 32-bit (m32)

, 32 64 32-bit (mx32)
.

:

- x86_64

, *m32*
CONFIG_IA32_EMULATION=y , *mx32*
CONFIG_X86_X32_ABI=y .

,
:

```
echo 'int main(){}' > dummy.c
gcc -m32 dummy.c
./a.out

gcc -mx32 dummy.c
./a.out
```

./a.out "Exec format error" , LFS
.
LFS ,
.

- LFS
- *32*

, Multilib LFS .

LFS