

Beyond Linux® From Scratch (systemd Edition) - Version 12.1		
Chapter 5. File Systems and Disk Management		
	/	
efibootmgr-18	Using GRUB to Set Up the Boot Process with UEFI	

# EFI GRUB-2.12

## GRUB

GRUB                      GRand Unified Bootloader(                      )                      .                      LFS

GRUB                      UEFI                      .

LFS 12.1                      .

- (HTTP): <https://ftp.gnu.org/gnu/grub/grub-2.12.tar.xz>
- MD5                      : 60c564b1bdc39d8e43b3aab4bc0fb140
- : 6.4 MB
- : 183 MB
- : 0.4 SBU (64                      LFS                      =4                      )

가

## GRUB

- (HTTP):  
<https://unifoundry.com/pub/unifont/unifont-15.1.04/font-builds/unifont-15.1.04.pcf.gz>
- MD5                      : 72f95e7ecb47a4c7ed610babe6959ead
- : 1.3 MB

GCC(32                      LFS                      )

- [GCC-13.2.0](#)                      .

## GRUB

- - [efibootmgr-18\(                      \)](#)
  - [FreeType-2.13.2](#)
- - [LVM2-2.03.23](#)

## GRUB

*root*

```
mkdir -pv /usr/share/fonts/unifont &&  
gunzip -c ../unifont-15.1.04.pcf.gz > /usr/share/fonts/unifont/unifont.pcf
```



```
unset {C,CPP,CXX,LD}FLAGS
```

가

```
echo depends bli part_gpt > grub-core/extra_deps.lst
```

32 LFS 64

```
case $(uname -m) in i?86 )  
    tar xf ../gcc-13.2.0.tar.xz  
    mkdir gcc-13.2.0/build  
    pushd gcc-13.2.0/build  
        ../configure --prefix=$PWD/../../x86_64-gcc \  
                    --target=x86_64-linux-gnu      \  
                    --with-system-zlib             \  
                    --enable-languages=c,c++       \  
                    --with-ld=/usr/bin/ld  
        make all-gcc  
        make install-gcc  
    popd  
    export TARGET_CC=$PWD/x86_64-gcc/bin/x86_64-linux-gnu-gcc  
esac
```

GRUB


```
./configure --prefix=/usr      \  
            --sysconfdir=/etc  \  
            --disable-efiemu   \  
            \
```

```
--enable-grub-mkfont \  
--with-platform=efi \  
--target=x86_64 \  
--disable-werror &&  
unset TARGET_CC &&  
make
```

가 .

```
make install &&  
mv -v /etc/bash_completion.d/grub /usr/share/bash-completion/completions
```

\* `-enable-grub-mkfont`: grub-mkfont



FreeType-2.13.2가

grub-mkfont가

GRUB

GRUB

GRUB

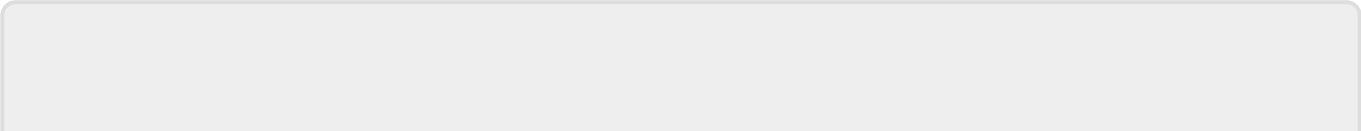
GRUB

- `-with-platform=efi`: EFI가 GRUB
  - `-target=x86_64`: 32 LFS x86\_64 GRUB
  - `-target=i386`: 32 x86 EFI x86\_64 32
- `-target=x86_64` LFS가

GRUB

GRUB      UEFI      LFS      GRUB      UEFI

LFS      GRUB



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