

Grub Rescue

What is Grub?

/boot/grub.cfg :- Auto-generated configuration file

/etc/default/grub :- manual customization

/etc/grub.d :- scripts

Grub prompt

```
GNU GRUB  version 0.97  (639K lower / 3144572K upper memory)

[ Minimal BASH-like line editing is supported.  For the first word, TAB
  lists possible command completions.  Anywhere else TAB lists the possible
  completions of a device/filename.]

grub>
```

Listing

GNU GRUB version 1.99

Minimal BASH-like line editing is supported. For the first word, TAB lists possible command completions. Anywhere else TAB lists possible device or file completions.

```
grub> ls
```

```
(hd0) (hd0,gpt3) (hd0,gpt2) (hd0,gpt1)
```

```
grub> ls (hd0,1)/
```

```
error: unknown filesystem.
```

```
grub> ls (hd0,2)/
```

```
lost+found/ grub/ System.map-3.1.0-7.fc16.i686 elf-memtest86+-4.20 config-3.1.0-7.fc16.i686 memtest86+-4.20 grub2/ efi/ vmlinuz-3.1.0-7.fc16.i686 initramfs-3.1.0-7.fc16.i686.img
```

```
grub> _
```

Setting the partition

```
grub> set root=(hd0,X)
```

Loading Kernel

```
grub> linux /vmlinuz root=/dev/sdaX ro
```

Initializing ram disk

```
grub> initrd /initrd.img
```


Booting

```
grub> boot
```

GNU GRUB version 1.99-12ubuntu5

Minimal BASH-like line editing is supported. For the first word, TAB lists possible command completions. Anywhere else TAB lists possible device or file completions.

```
grub> ls
(hd0) (hd0,msdos4) (hd0,msdos3) (hd0,msdos2) (hd0,msdos1)
grub> set root=(hd0,msdos1)
grub> linux /vmlinuz ro root=/dev/sda2
grub> initrd /initrd.img
grub> boot_
```