#### 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.l
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)

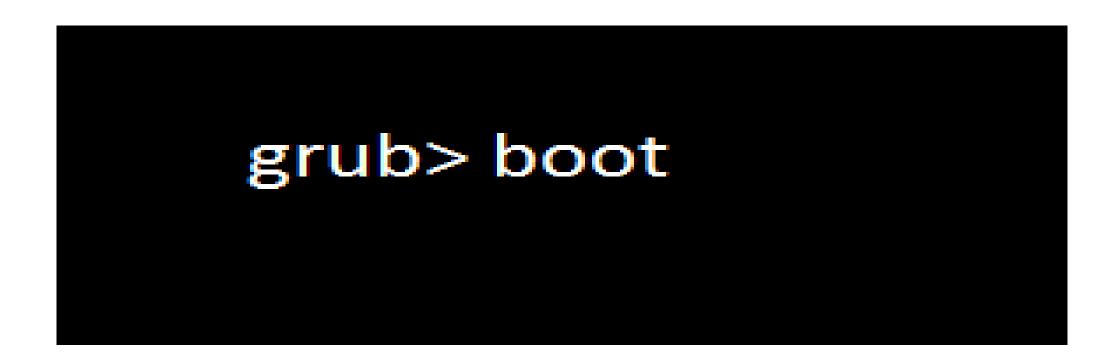
### Loading Kernel

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

### Initializing ram disk

grub> initrd /initrd.img

# Booting



#### 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_
```