

# Multiboot

<https://mbusb.aguslr.com/>

```
cd /tmp
git clone https://github.com/aguslr/multibootusb
cd multibootusb
sudo ./makeUSB.sh -b -e </dev/usbdevice> vfat
```

copy iso into <disk>/boot/isos

test

```
sudo qemu-system-x86_64 -enable-kvm -m 2G -vga std -drive
file=/dev/<usbdisk>,readonly=on,cache=none,format=raw,if=virtio
```

## old

Creare una partizione FAT32 (anche altri filesystem sono supportati) con label MULTIBOOT

Creare una cartella boot all'interno

```
grub-install --target=i386-pc --recheck --boot-
directory=/media/scipio/MULTIBOOT/boot /dev/sdb
```

EFI

```
sudo grub-install --target x86_64-efi --efi-directory
/media/scipio/MULTIBOOT/ --boot-directory=/media/scipio/MULTIBOOT/boot --
removable
```

/media/scipio/MULTIBOOT/boot/grub/grub.cfg

```
set imgdevpath="/dev/disk/by-label/MULTIBOOT"

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menuentry "SystemRescue CD" {
    set isofile="/boot/iso/systemrescuecd-x86-5.3.1.iso"
    loopback loop $isofile
    linux (loop)/isolinux/rescue64 setkmap=it isoloop=$isofile
    initrd (loop)/isolinux/initram.igz
}

# from https://people.debian.org/~jgoerzen/rescue-zfs/
menuentry "Debian ZFS rescue" {
    set isofile="/boot/iso/wheezy-live-rescue-zfs0.6.3-
```

```
jgoerzen-20141008.iso"
  bootoptions=""
  loopback loop $isofile
  linux (loop)/live/vmlinuz findiso=$isofile boot=live components live-
config
  initrd (loop)/live/initrd.img
}

menuentry "Ubuntu 14.04.1 desktop amd64" {
  set isofile='/boot/iso/ubuntu-14.04.1-desktop-amd64.iso'
  loopback loop $isofile
  linux (loop)/casper/vmlinuz.efi boot=casper iso-scan/filename=$isofile
  locale=it_IT.UTF-8 console-setup/layoutcode=it
  initrd (loop)/casper/initrd.lz
}

menuentry "Livenet UNIVR" {
  set isofile='/boot/iso/univr/livenet.iso'
  loopback loop $isofile

  root=(loop)
  configfile /boot/grub/grub.cfg
  loopback --delete loop
}
```

test boot with qemu

```
qemu-system-x86_64 -hda /dev/sdx
```

[fonte](#) and [exfat](#)

## grub command line

boot windows

```
insmod chain
ls
set root=(hd0,0)
chainloader +1
boot
```

From:  
<https://wiki.csgalileo.org/> - Galileo Labs

Permanent link:  
<https://wiki.csgalileo.org/tips/multiboot?rev=1661875295>

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