

# UEFI

<http://wiki.ubuntu-it.org/Installazione/UEFI>

## UEFI boot

Boot in UEFI mode and check `/sys/firmware/efi`

## UEFI boot loader does not show up in firmware menu

On some UEFI motherboards like boards with an Intel Z77 chipset, adding entries with `efibootmgr` or `bcfg` from the EFI Shell will not work because they do not show up on the boot menu list after being added to NVRAM.

This issue is caused because the motherboards can only load Microsoft Windows. To solve this you have to place the `.efi` file in the location that Windows uses.

Copy the `bootx64.efi` file from the Arch Linux installation medium (FS0:) to the Microsoft directory your ESP partition on your hard drive (FS1:). Do this by booting into EFI shell and typing:

```
FS1:
cd EFI
mkdir Microsoft
cd Microsoft
mkdir Boot
cp FS0:\EFI\B00T\bootx64.efi FS1:\EFI\Microsoft\Boot\bootmgfw.efi
```

change boot order

```
# show
efibootmgr

# change
efibootmgr -o 1,0
```

force ubuntu on ACER bad

```
mv EFI/Microsoft/Boot/bootmgfw.efi EFI/Microsoft/Boot/bootmgfw.efi.backup
cp EFI/ubuntu/grubx64.efi EFI/Microsoft/Boot/bootmgfw.efi
```

## grub legacy

```
root@sysresccd:/# parted /dev/sda print
```

Model: ATA ST500LT012-9WS14 (scsi)  
Disk /dev/sda: 500GB  
Sector size (logical/physical): 512B/4096B  
Partition Table: gpt

| Number | Start  | End   | Size  | File system | Name                         |
|--------|--------|-------|-------|-------------|------------------------------|
| 1      | 1049kB | 524MB | 523MB | ntfs        | Basic data partition         |
| 2      | 524MB  | 839MB | 315MB | fat32       | EFI system partition         |
| 3      | 839MB  | 973MB | 134MB |             | Microsoft reserved partition |

parted /dev/sda set 1 bios\_grub on

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