

# UEFI

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

## 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\BOOT\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
```

</code>

## 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
Flags					
1	1049kB	524MB	523MB	ntfs	Basic data partition
hidden, diag					
2	524MB	839MB	315MB	fat32	EFI system partition
boot					
3	839MB	973MB	134MB		Microsoft reserved partition
msftres					

```
parted /dev/sda set 1 bios_grub on
```

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