

Dual Window Grub Bootloader

If Windows update overwrites the Grub bootloader. Simple way to restore is to copy the debian bootloader (grubx64.efi) over the windows bootloader. Open CMD prompt as "Administrator" and mount the EFT partition as E: drive with:

```
mountvol E: /S

E:\EFI>dir
Volume in drive E has no label.
Volume Serial Number is 502B-5BC6

Directory of E:\EFI

06-12-2016  20:05    <DIR>          .
06-12-2016  20:05    <DIR>          ..
06-12-2016  20:05    <DIR>          Microsoft
13-02-2021  19:01    <DIR>          Boot
27-11-2021  20:18    <DIR>          HP
13-02-2021  08:35    <DIR>          debian
              0 File(s)              0 bytes
              6 Dir(s)        160.800.768 bytes free
```

copy the debian grub bootloader over the bootloader installed by Microsoft (bootmgfw.efi).

```
copy E:\EFI\debian\grubx64.efi E:\EFI\Microsoft\Boot\bootmgfw.efi
```

BCDedit

```
C:\WINDOWS\system32>bcdedit

Windows Boot Manager
-----
identifier           {bootmgr}
device                partition=\Device\HarddiskVolume1
path                  \EFI\Microsoft\Boot\bootmgfw.efi
description           Windows Boot Manager
locale                nl-NL
inherit               {globalsettings}
default               {current}
resumeobject          {6beefd36-680a-11eb-ac07-a7444769703e}
displayorder          {current}
toolsdisplayorder    {memdiag}
timeout               0

Windows Boot Loader
-----
```

```
identifier {current}
device partition=C:
path \WINDOWS\system32\winload.efi
description Windows 10
locale nl-NL
inherit {bootloadersettings}
recoverysequence {5c5834f8-aff6-11e9-ac26-ce270aa00281}
displaymessageoverride Recovery
recoveryenabled Yes
isolatedcontext Yes
allowedinmemorysettings 0x15000075
osdevice partition=C:
systemroot \WINDOWS
resumeobject {6beefd36-680a-11eb-ac07-a7444769703e}
nx OptIn
bootmenupolicy Standard
```

```
bcdedit /set {bootmgr} path \EFI\debian\grubx64.efi
bcdedit /set {bootmgr} path \EFI\Microsoft\Boot\bootmgfw.efi

bcdedit /enum firmware
bcdedit /timeout 10
bcdedit /copy {current} /d "Linux"
```

Windows Boot Manager

```
-----
identifier {6beefd39-680a-11eb-ac07-a7444769703e}
device partition=\Device\HarddiskVolume1
path \EFI\Microsoft\Boot\bootmgfw.efi
description Linux
locale nl-NL
inherit {globalsettings}
default {current}
resumeobject {6beefd36-680a-11eb-ac07-a7444769703e}
displayorder {current}
toolsdisplayorder {memdiag}
timeout 10
```

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