

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 debian\grubx64.efi over 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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