

Create Windows 10 bootable USB on Linux

The following commands install the WoeUSB program used to create a bootable USB stick for the installation of Windows 10.

First add the repository (assuming Ubuntu or Linux Mint OS)

```
sudo add-apt-repository ppa:nilarimogard/webupd8
```

```
sudo apt-get update
```

```
sudo apt-get install wousb
```

The WoeUSB GUI can be found in your Applications Menu but I don't recommend it. The likelihood is, you'll run into the problem described [here](#)

Using gparted, create a NTFS partition on your USB stick – you may need to install *ntfs-tools* from your repository to do this.

Create the USB stick using the following command

```
sudo umount /dev/sdb1
```

```
sudo woesub -target-filesystem NTFS -device  
Win10_18090ct_EnglishInternational_x64.iso /dev/sdb
```

Download the Windows 10 ISO from Microsoft [here](#)

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```
/dev/sdb: 8 bytes were erased at offset 0x728f64600 (gpt): 45 46 49 20 50 41 52
54
```

```
/dev/sdb: 2 bytes were erased at offset 0x000001fe (PMBR): 55 aa
/dev/sdb: calling ioctl to re-read partition table: Success
```

```
Ensure that /dev/sdb is really wiped...
Creating new partition table on /dev/sdb...
```

```
Creating target partition...
```

```
Making system realize that partition table has changed...
```

```
Wait 3 seconds for block device nodes to populate...
```

```
Cluster size has been automatically set to 4096 bytes.
```

```
Creating NTFS volume structures.
```

```
mkntfs completed successfully. Have a nice day.
```

```
--2019-01-22 16:20:37-- https://github.com/pbatard/rufus/raw/master/res/uefi/uefi-ntfs.img
```

```
Resolving github.com (github.com)... 140.82.118.3, 140.82.118.4
```

```
Connecting to github.com (github.com)|140.82.118.3|:443... connected.
```

```
HTTP request sent, awaiting response... 302 Found
```

```
Location: https://raw.githubusercontent.com/pbatard/rufus/master/res/uefi/uefi-ntfs.img [following]
```

```
--2019-01-22 16:20:37-- https://raw.githubusercontent.com/pbatard/rufus/master/res/uefi/uefi-ntfs.img
```

```
Resolving raw.githubusercontent.com (raw.githubusercontent.com)... 151.101.16.133
```

```
Connecting to raw.githubusercontent.com (raw.githubusercontent.com)|151.101.16.133|:443... connected.
```

```
HTTP request sent, awaiting response... 200 OK
```

```
Length: 524288 (512K) [application/octet-stream]
```

```
Saving to: '/tmp/WoeUSB.UrXonV.tmpdir/uefi-ntfs.img'
```

```
uefi-ntfs.img      100%[=====>] 512.00K  --.-KB/s   in 0.1s
```

```
2019-01-22 16:20:38 (3.49 MB/s) - '/tmp/WoeUSB.UrXonV.tmpdir/uefi-ntfs.img' saved [524288/524288]
```

```
1024+0 records in
```

```
1024+0 records out
```

```
524288 bytes (524 kB, 512 KiB) copied, 0.170615 s, 3.1 MB/s
```

```
Mounting target filesystem...
```

```
Applying workaround to prevent 64-bit systems with big primary memory from being unresponsive during copying files.
```

```
Copying files from source media...
```

```
Installing GRUB bootloader for legacy PC booting support...
```

```
Installing for i386-pc platform.
```

```
Installation finished. No error reported.
```

```
Installing custom GRUB config for legacy PC booting...
```

```
Resetting workaround to prevent 64-bit systems with big primary memory from being unresponsive during copying files.
```

```
Unmounting and removing "/media/woeusb_source_1548174032_4095"...
```

```
Unmounting and removing "/media/woeusb_target_1548174032_4095"...
```

```
You may now safely detach the target device
```

```
Done :)
```

```
The target device should be bootable now
```

```
matt@xps15:~/Documents/Software/Windows 10 ISO$
```