

[How to customize your ubuntu live usb stick](http://david.hautbois.free.fr/wordpress/index.php/175-how-to-customize-your-ubuntu-live-usb-stick)

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- Install the squashfs tools

```
david@rifraf:/3data/iso$ sudo aptitude install squashfs-tools
```

- Create the working directories

```
david@rifraf:/3data$ mkdir custom-squashfs
```

```
david@rifraf:/3data$ mkdir squashfs
```

```
david@rifraf:/3data$ mkdir squashfs-images
```

- Become root and load the squashfs module

```
david@rifraf:/3data$ sudo su
```

```
[sudo] password for david:
```

```
root@rifraf:/3data# modprobe squashfs
```

- Mount the current squashfs file form the usb stick

```
root@rifraf:/3data# mount -t squashfs -o loop /media/usb-stick/casper/filesystem.squashfs squashfs/
```

- Copy the root content

```
root@rifraf:/3data# cp -a squashfs/* custom-squashfs
```

- Cleanup

```
root@rifraf:/3data# umount /3data/squashfs/
```

```
root@rifraf:/3data# rm -rf squashfs/
```

- Chroot the file system

```
root@rifraf:/3data# cp /etc/resolv.conf custom-squashfs/etc/
```

```
root@rifraf:/3data# chroot custom-squashfs
```

```
root@rifraf:/# mount -t proc none /proc/
```

```
root@rifraf:/# mount -t proc none /sys/
```

```
root@rifraf:/# export HOME=/root
```

- Edit the /etc/apt/sources.list and uncomment the following lines

```
deb http://archive.ubuntu.com/ubuntu lucid universe
```

```
deb http://archive.ubuntu.com/ubuntu lucid multiverse
```

- Update the apt sources

```
root@rifraf:/# aptitude update
```

- Install the needed applications

```
root@rifraf:/# aptitude install devede vlc mplayer thunderbird gimp filezilla terminator flashplugin-installer
```

- Cleanup

```
root@rifraf:/# apt-get clean
```

```
root@rifraf:/# rm -rf /tmp/*
```

```
root@rifraf:/# rm -f /etc/hosts /etc/resolv.conf
```

- Quit the chroot

```
root@rifraf:/# umount /proc/
```

```
root@rifraf:/# umount /sys/
```

```
root@rifraf:/# exit
```

- Create the new squashfs file

```
root@rifraf:/3data# mksquashfs custom-squashfs squashfs-images/filesystem.squashfs
```

- Copy to the usb stick

```
root@rifraf:/3data# cp squashfs-images/filesystem.squashfs /media/04AB-8752/casper
```

- Test the live system

```
david@rifraf:/3data$ qemu -hda /dev/sdb -m 256 -vga std
```