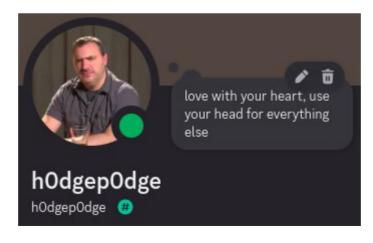
# Wireless Freedom and New-Found Superpowers Robbie Mckennie

#### Who am I?

#### Robbie Black magic, voodoo, and radio waves







### What is OpenWRT?



## History

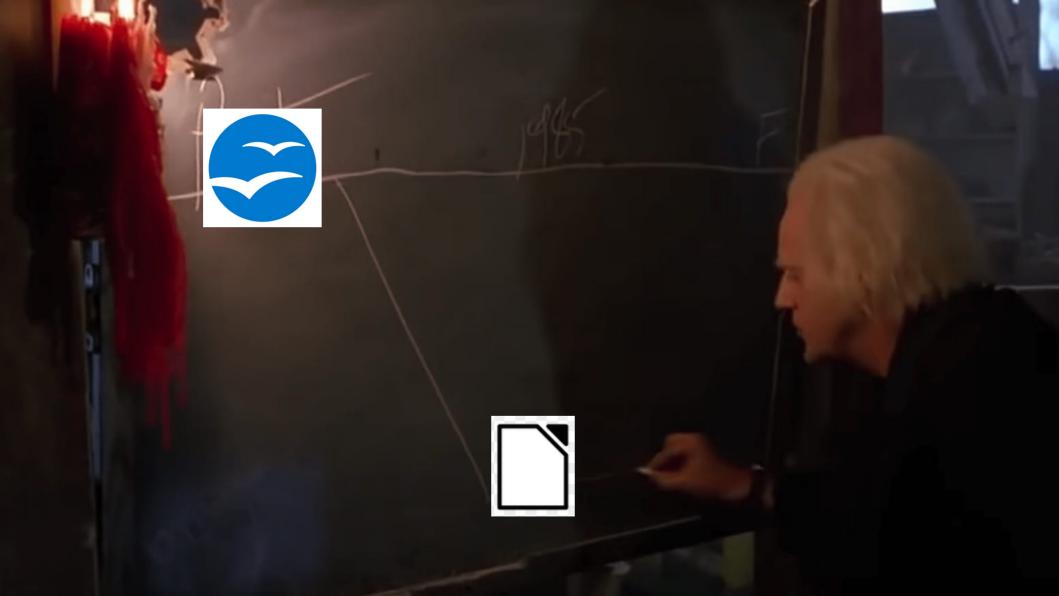


### Round of applause for GNU



### Forks







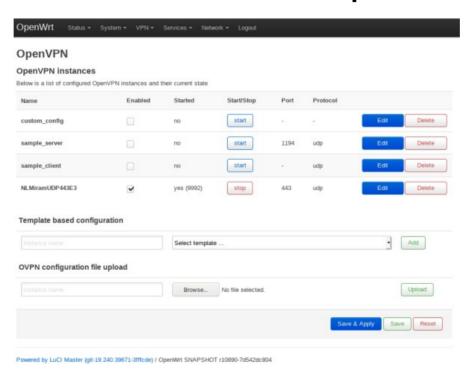






### The Ecosystem

LuCi, a well featured and expressive web UI



#### **Build environment**

- Well designed build system, good documentation on system requirements
- Docker <3</li>

#### **Build environment**

- Integrate packages into the image to save space, remove packages to save memory
- Build for a million different targets
- Customize the kernel if you're brave

#### SDK

- Creates a cross compilation chain bespoke for your image
- Haven't used it, but theoretically a great idea

### Package Manager

Like any grown up distro

### Package Manager

Like any grown up distro

#### Demo?

If I got around to setting it up

### So why use it?

It's cool

### So why use it?

- Give your router super powers
- VPNs
- Packet capture, wireless monitoring
- Web services
- Docker, and all that implies

#### Freedom

- Freedom is weird to talk about
- Often abstract, hard to understand how it affects our lives

#### SXT 5HnD

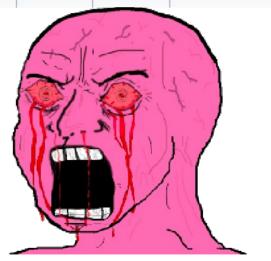


Our integrated outdoor unit for Point-to-point, or as a CPE device for point-to-multipoint.

#### Mikrotik License Levels

(IIIai IIIoue)	1 (Free Demo)	3 (WISP CPE)	4 (WISP)	5 (WISP)	6 (Controller)
o keyı <b>∠</b>	registration required ♂	not sold separately	\$45	\$95	\$250
	<u> </u>	o kevic registration	o kevr☑ registration not sold	o key ☑ registration not sold \$45	o key ☑ registration not sold \$45 \$95





### OpenWRT Saves the Day

 If Mikrotik get to decide what AP mode I get to use, do I really own that device?

#### Thanks