Translations:Serveur orangepi-raspberry nextcloud en photovoltaïque autonome/1/en

Tutorial to setup a nextcloud server (equivalent to google drive but free and adapted to collective organisations) on a single board computer (photovoltaics powered)

This tutorial is not really "lowtech" at first look because we talk about computers and photovoltaics

However it is as didactic as possible and follows a lowtech philosophy to share knowledge, avoid unreachable tech by information rentention, complexification by design, or proprietary dependance by design.

We also give sizign tools for photovoltaics with a few explanation. It's up to to you to size your computer working hours on a sun schedule, ie respecting human temporalities.

Nextcloud (framasoft offers a service here: https://www.frama.space/abc/fr) is a cool service to organise collectively and allows to share files, have a directory, a chat, work cooperatively on libreoffice files, and even do visios. We can also imagine mobile infokisosks on this principle.

The tutorial puts into question the vpn market, the phtovoltaics with brand new and expensive batteries (in reality photovoltaics has become too competitive compared to petrleum and even more compared to nuclear power!), and the gafam market and their surveillance design is damaging trust and social links. The commands are those for a debian system

Finally, the tutorial is made iwth 4G modem (and a wired connection to orange pi which has no wifi card by default), and is updated on this 10th of april for a raspberry pi connected to a "shared wifi" of your telephone (see stage 6 for a wifi in wpa3 and stage 16 for a wifi in wpa2)