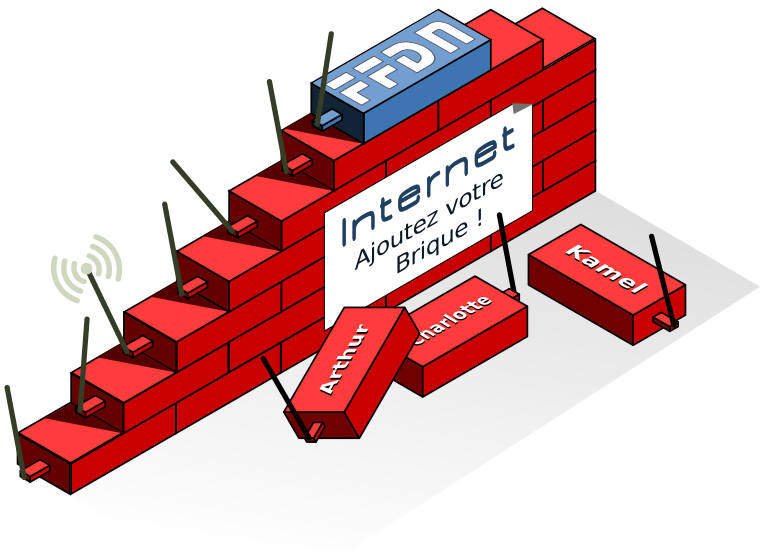
Internet^3

Neutral Internet & Self-hosting



YUNO HOST

LDN
LORRAINE DATA NETWORK

n^2

OuiShareLabs May 2015

Fédération FDN

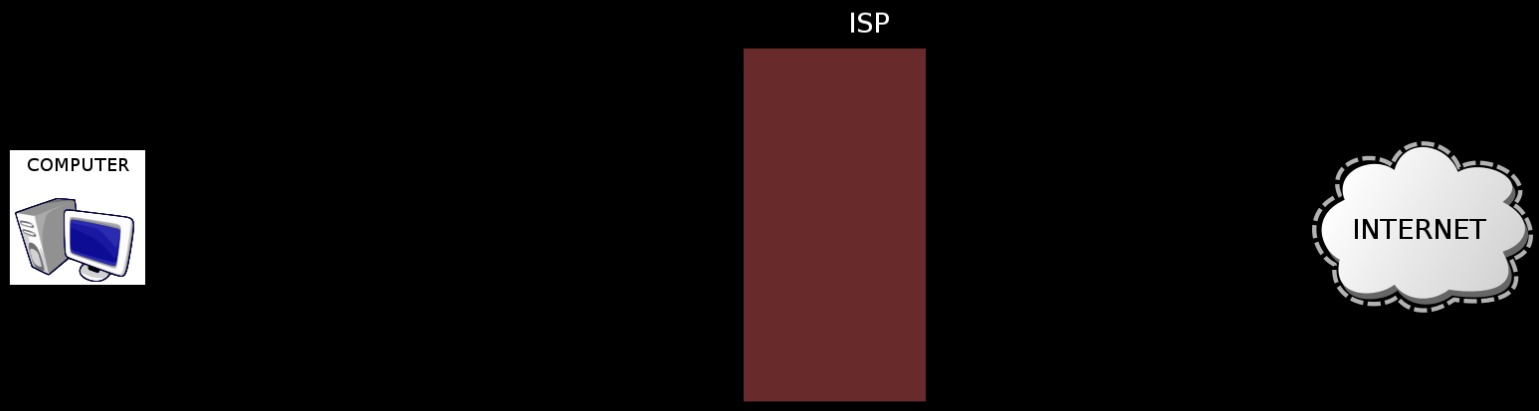
libre, neutral

and
decentralized

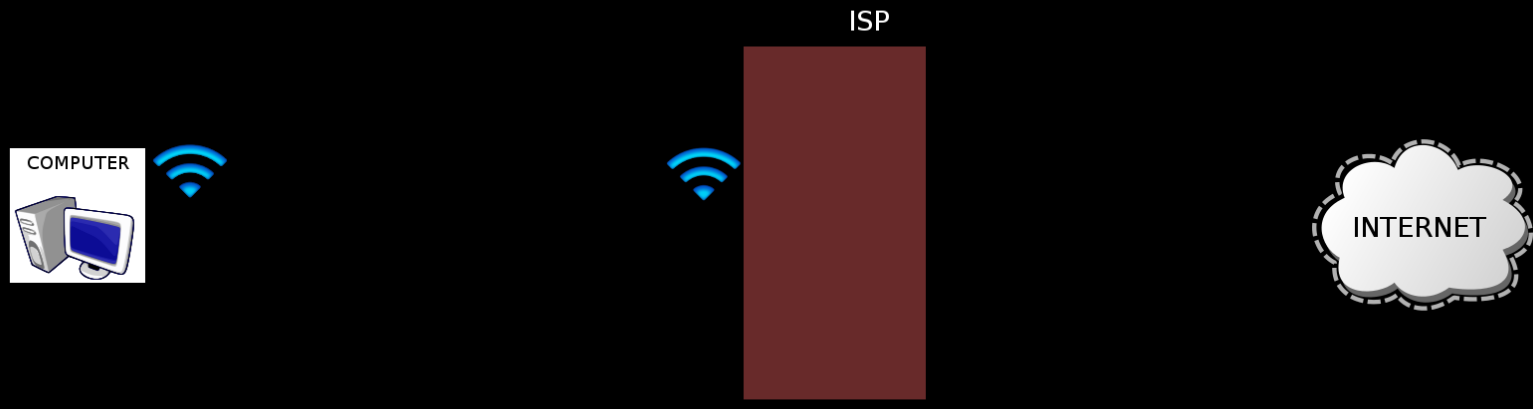
Libre & neutral ?

Whithout Internet[3]

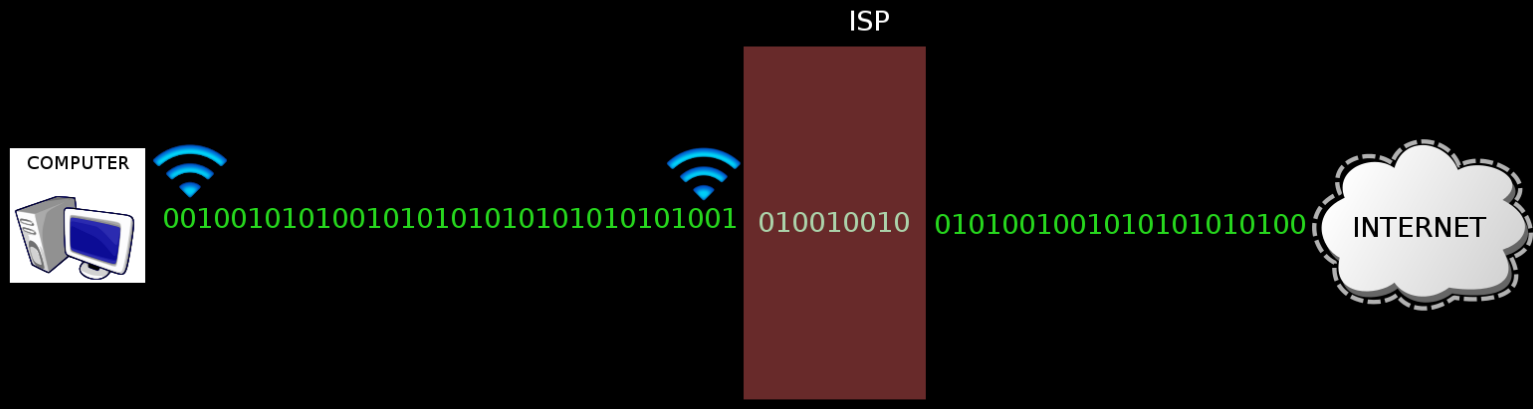
Whithout Internet[3]



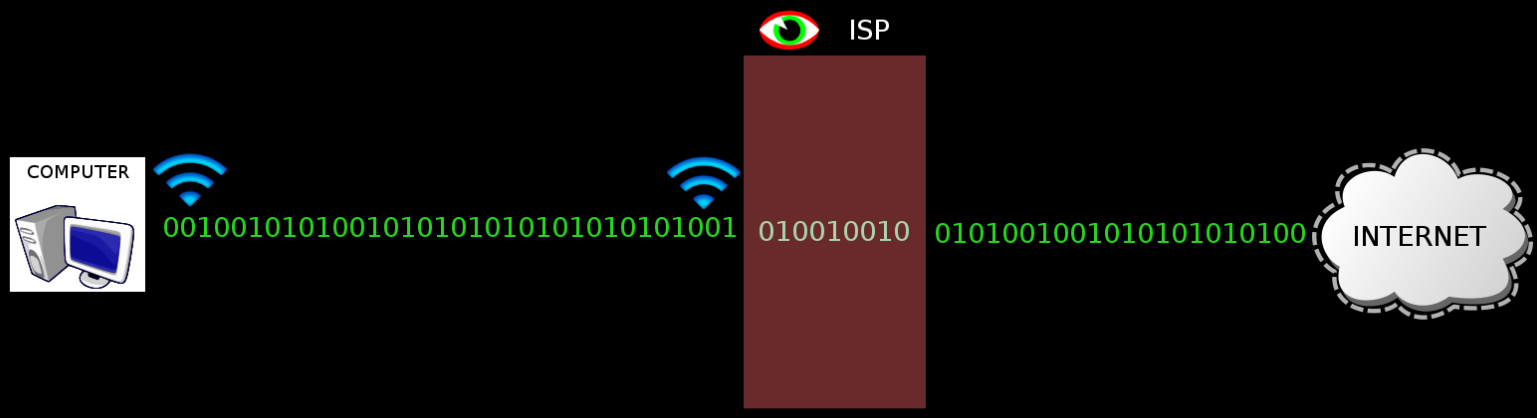
Whithout Internet[3]



Whithout Internet[3]



Problems ?


ISP
COMPUTER
00100101010010101010101010101001
010010010
0101001001010101010100
INTERNET

Problems

- Traffic shaping (Comcast Vs Netflix)

Problems

- Traffic shaping (Comcast Vs Netflix)
- Port blocking (port 25)

Problems

- Traffic shaping (Comcast Vs Netflix)
- Port blocking (port 25)
- Dynamic IP addressing / no IPv6

Problems

- Traffic shaping (Comcast Vs Netflix)
- Port blocking (port 25)
- Dynamic IP addressing / no IPv6
- Censorship (DNS hijacking)

Problems

- Traffic shaping (Comcast Vs Netflix)
- Port blocking (port 25)
- Dynamic IP addressing / no IPv6
- Censorship (DNS hijacking)
- Surveillance (NSA/French Gov ?)

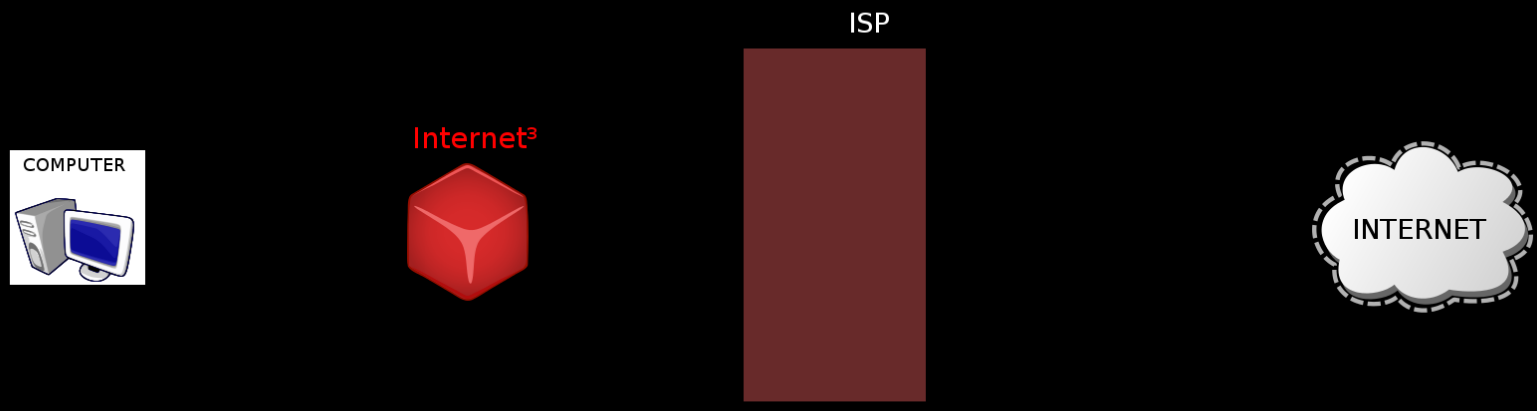
Problems

- Traffic shaping (Comcast Vs Netflix)
- Port blocking (port 25)
- Dynamic IP addressing / no IPv6
- Censorship (DNS hijacking)
- Surveillance (NSA/French Gov ?)
- Use of personal data

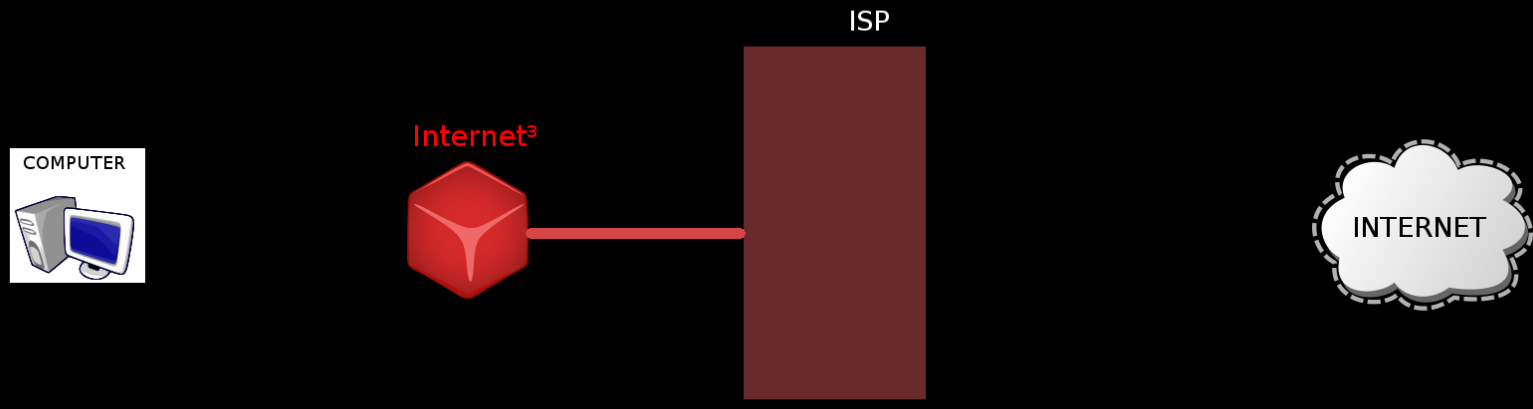
Problems

- Traffic shaping (Comcast Vs Netflix)
- Port blocking (port 25)
- Dynamic IP addressing / no IPv6
- Censorship (DNS hijacking)
- Surveillance (NSA/French Gov ?)
- Use of personal data

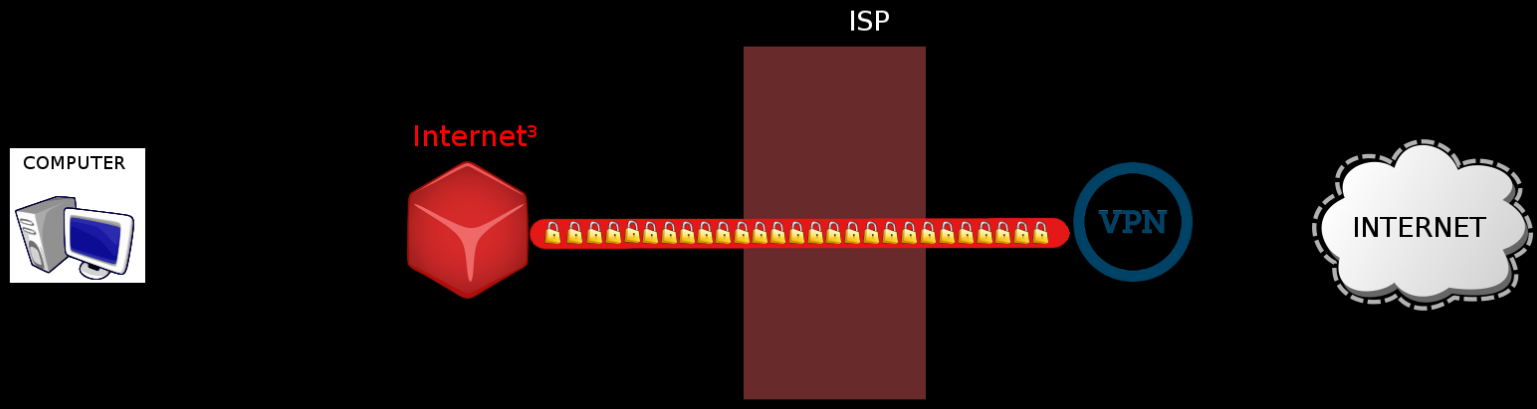
With the Internet^3



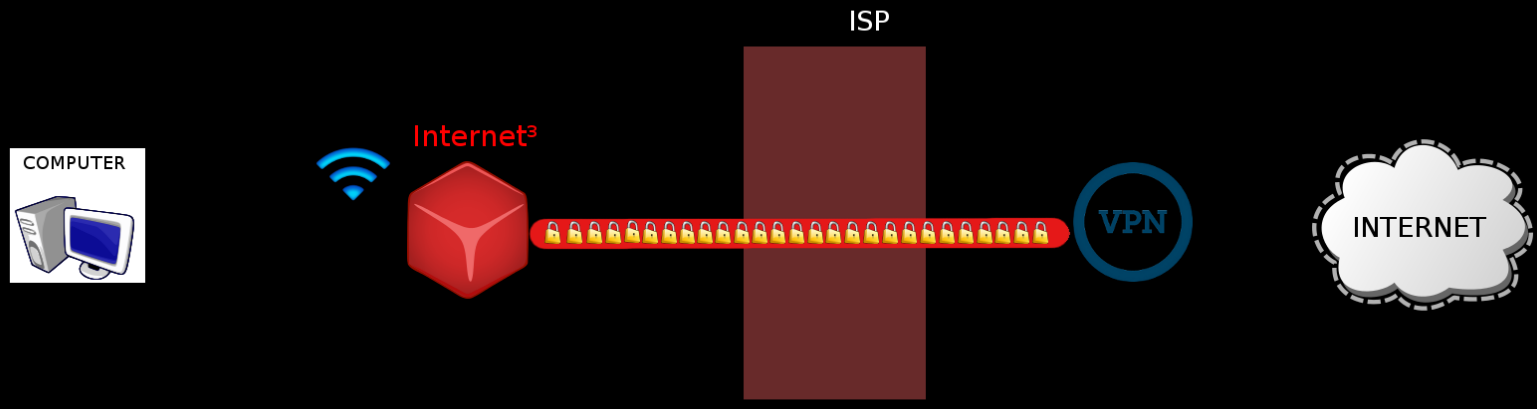
With the Internet^3



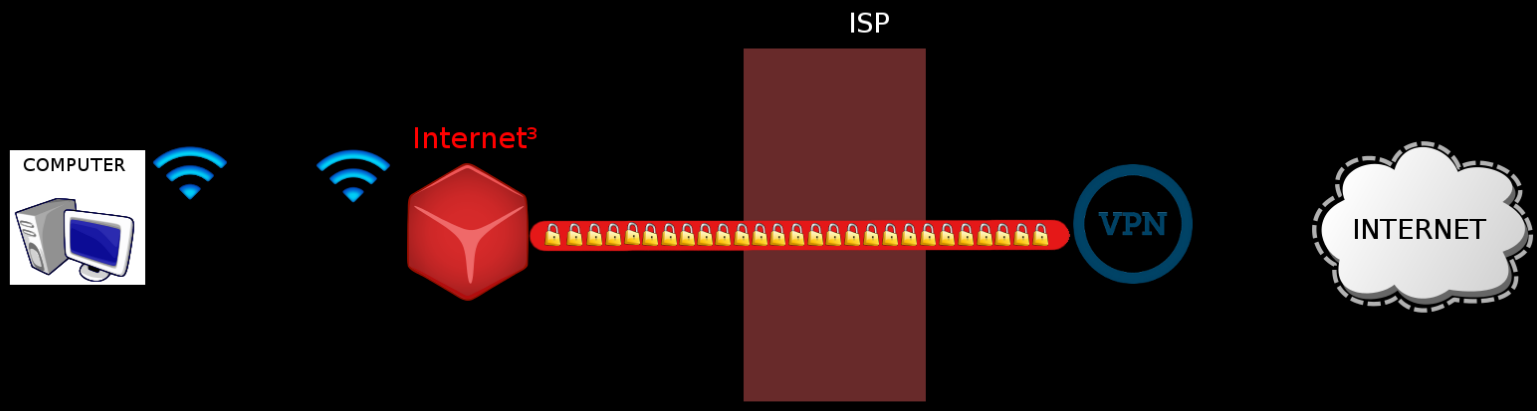
With the Internet^3



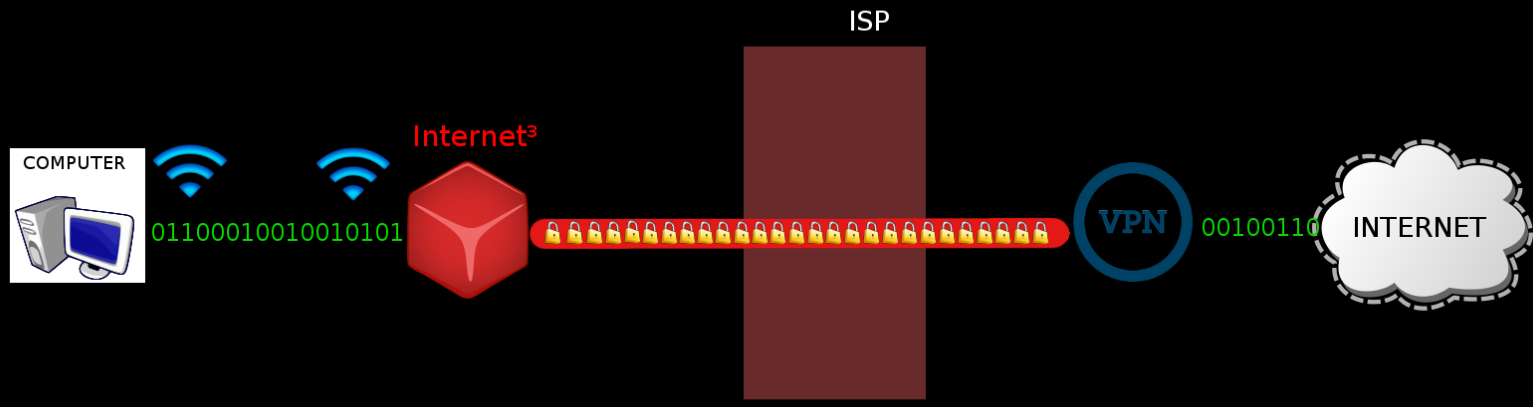
With the Internet^3



With the Internet^3



With the Internet^3



Problems ?

- Traffic shaping (Comcast Vs Netflix)
- Port blocking (port 25)
- Dynamic IP addressing / no IPv6
- Censorship (DNS hijacking)
- Surveillance (NSA/French Gov ?)
- Use of personal data

Problems ?

-
- Port blocking (port 25)
- Dynamic IP addressing / no IPv6
- Censorship (DNS hijacking)
- Surveillance (NSA/French Gov ?)
- Use of personal data

Problems ?

-
-
- Dynamic IP addressing / no IPv6
- Censorship (DNS hijacking)
- Surveillance (NSA/French Gov ?)
- Use of personal data

Problems ?

-
-
-
- Censorship (DNS hijacking)
- Surveillance (NSA/French Gov ?)
- Use of personal data

Problems ?

-
-
-
-
- Surveillance (NSA/French Gov ?)
- Use of personal data

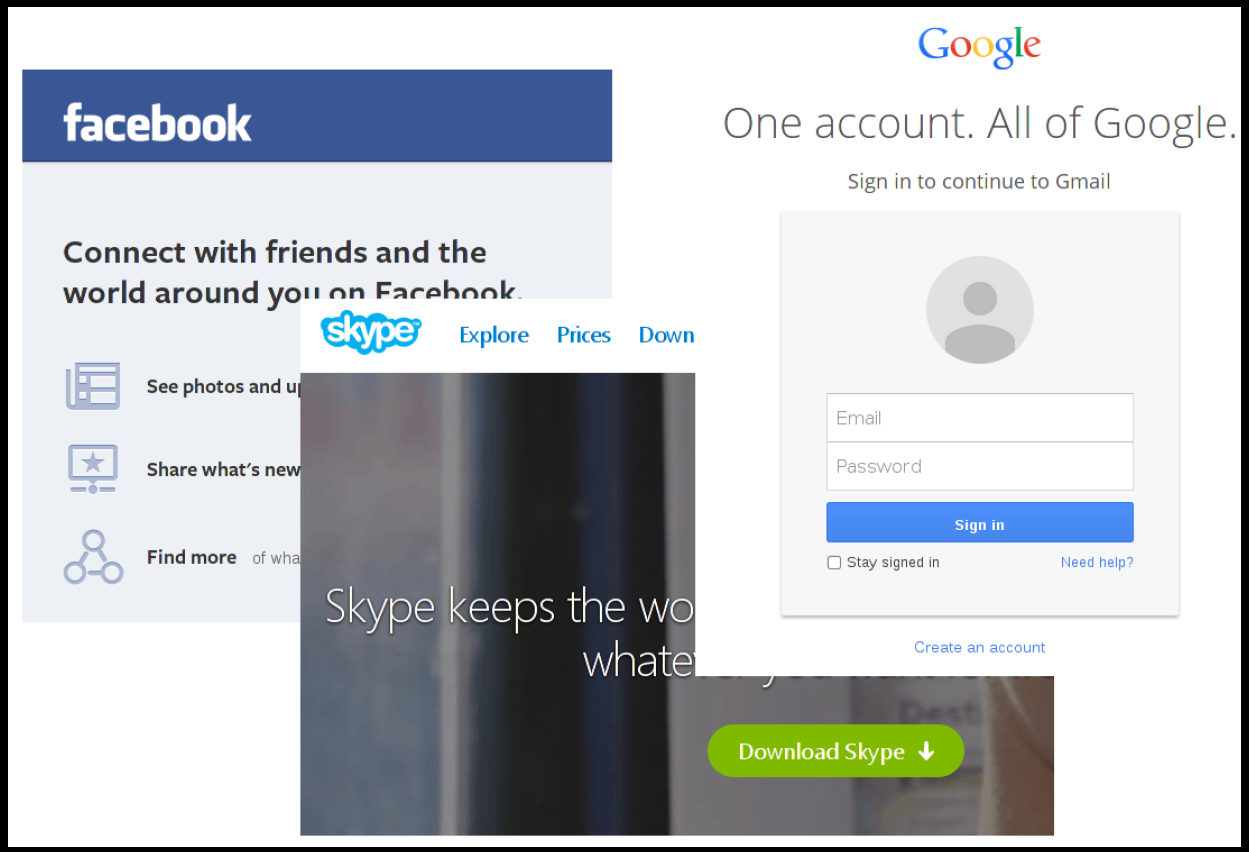
Problems ?

-
-
-
-
-
- Use of personal data

Libre and neutral!

Decentralized ?

How do we communicate on the internet ?



What do you agree on when you use Google services ?

"*When you upload, submit, store, send or receive content to or through our Services,* ***you give Google (and those we work with) a worldwide license to use,*** *host, store,* ***reproduce, modify, create derivative works*** *[..] communicate, publish, publicly perform, publicly display and distribute such content))*"

What do you agree on when you use Facebook services ?

For content that is covered by intellectual property rights, like photos and videos [...] (IP content), you specifically give us the following permission, subject to your privacy and application settings : ***you grant us a non-exclusive, transferable, sub-licensable, royalty-free, worldwide license*** *to use any IP content that you post on or in connection with Facebook*

And how long at Google ?

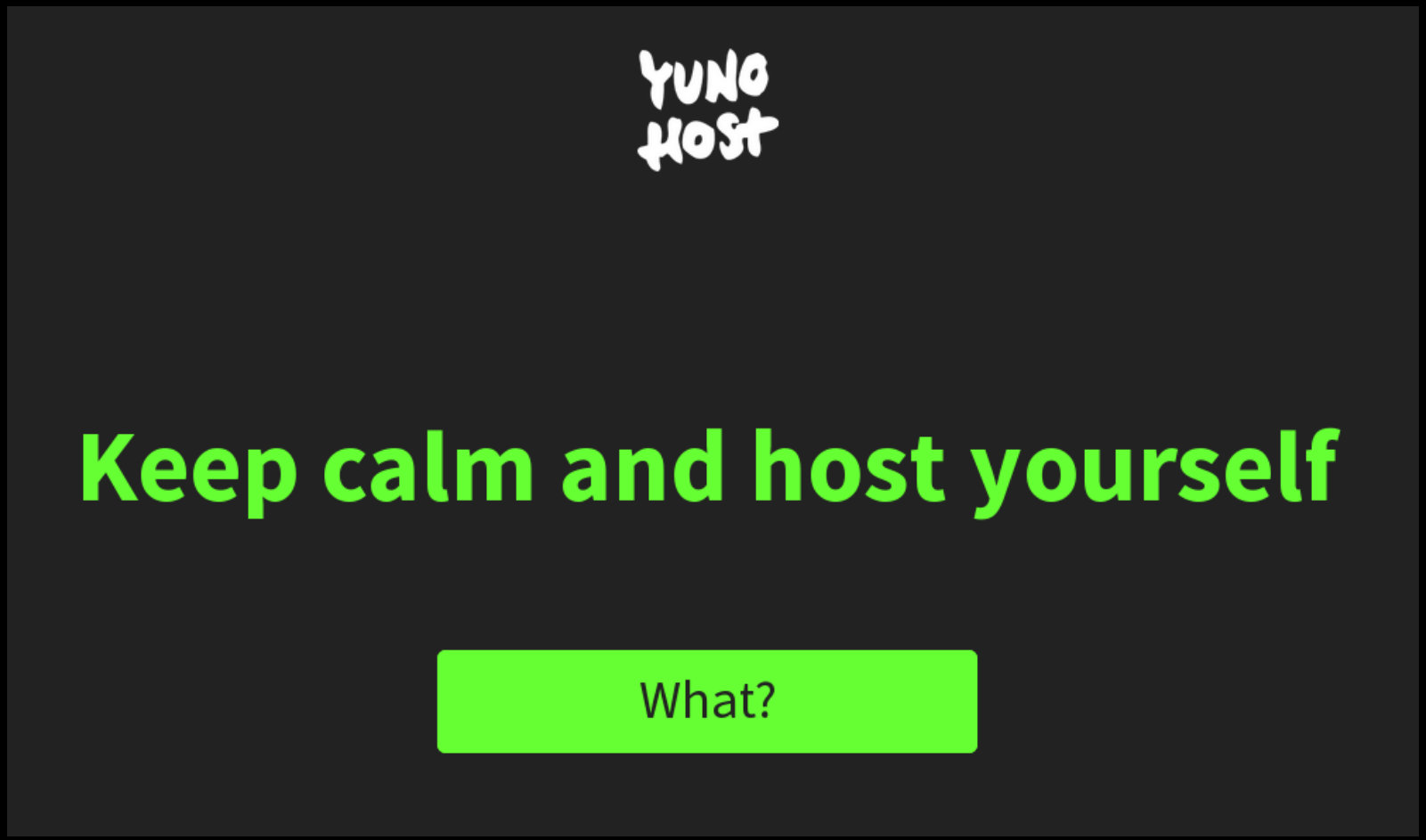
*This license continues **even if you stop using our Services**.*

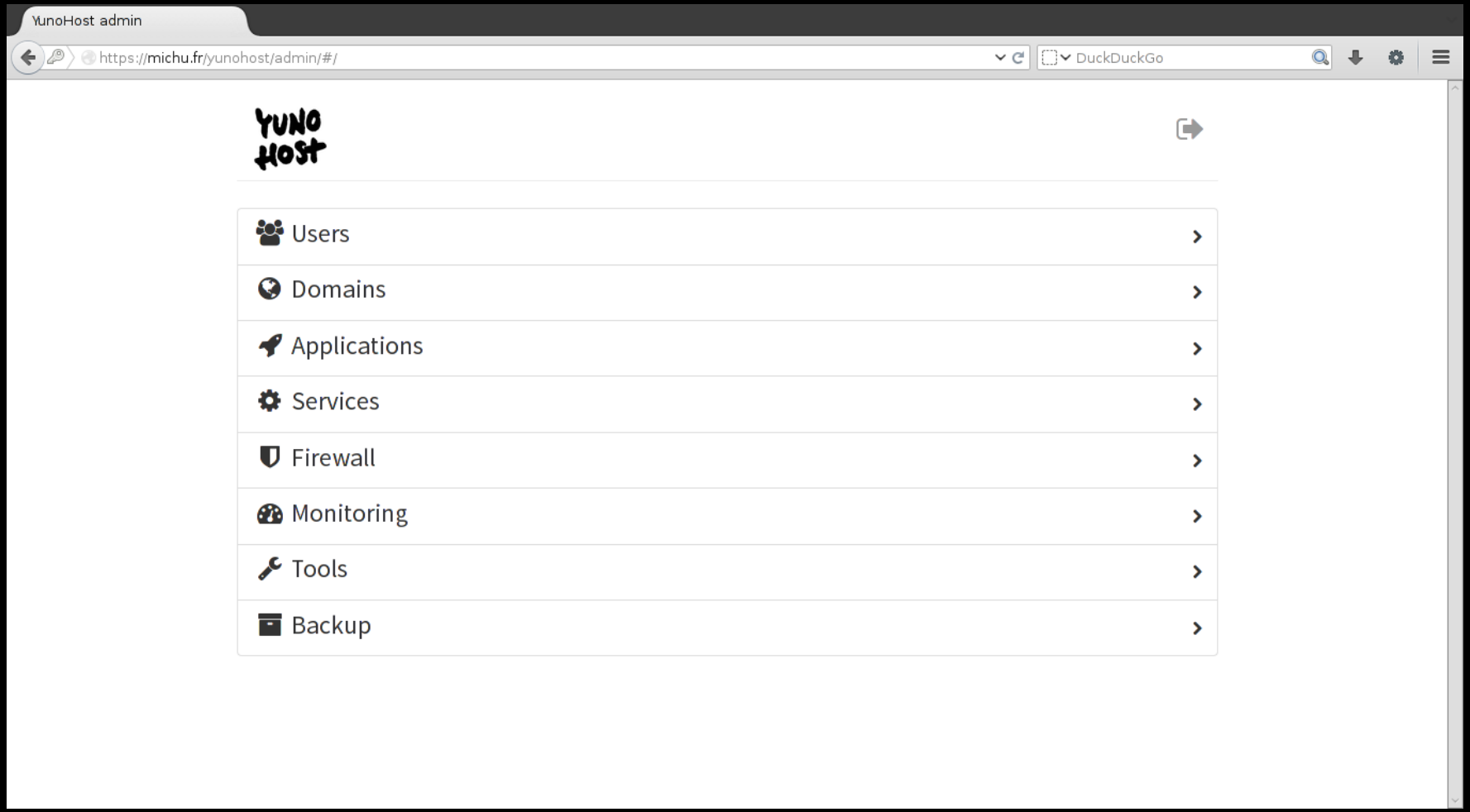
And how long at Facebook ?

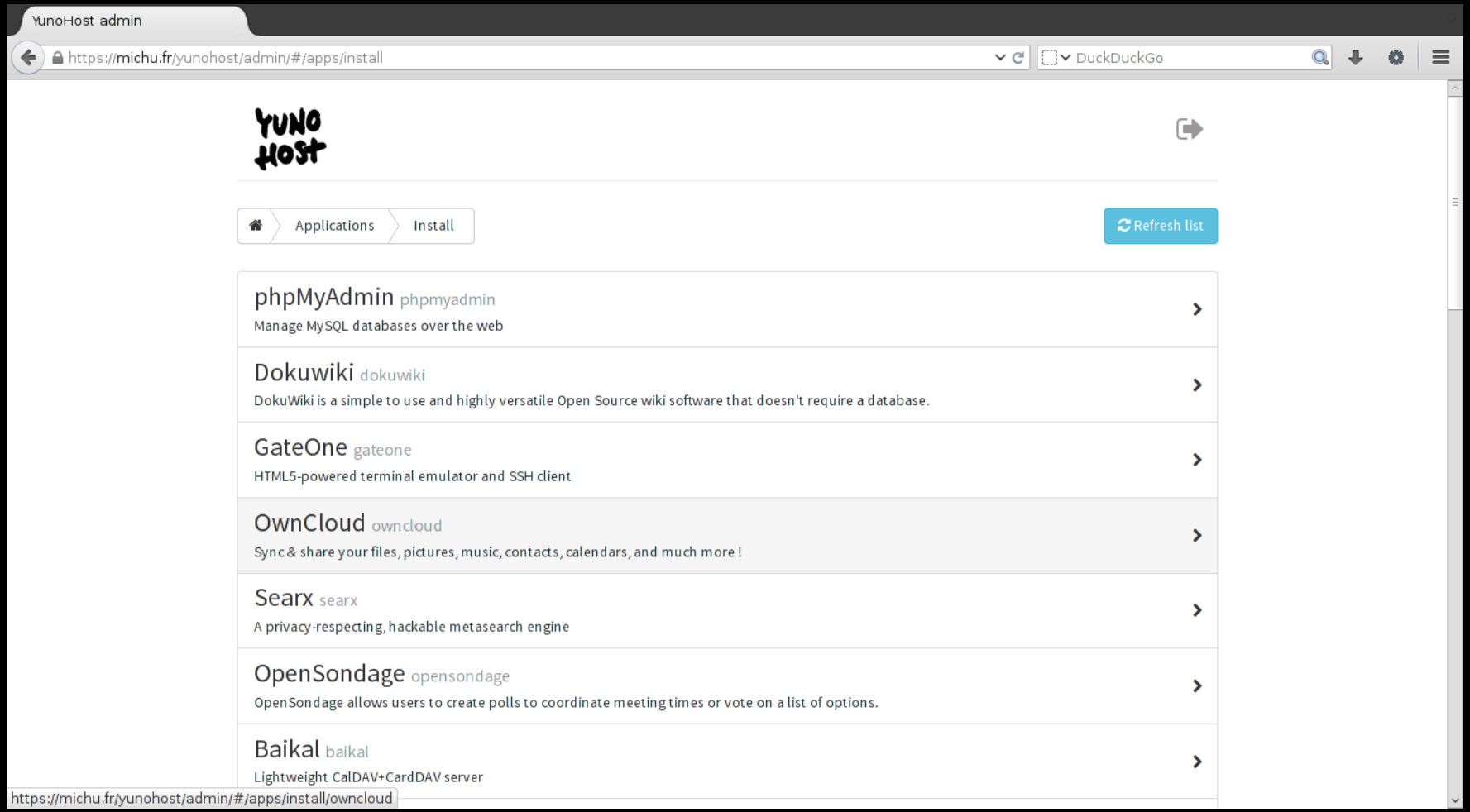
This IP License ends when you delete your IP content or your account ***unless your content has been shared with others****, and they have not deleted it.*

When you delete IP content, it is deleted in a manner similar to emptying the recycle bin on a computer. However, you understand that removed content may persist in backup copies ***for a reasonable period of time***

And with Internet^3 ?

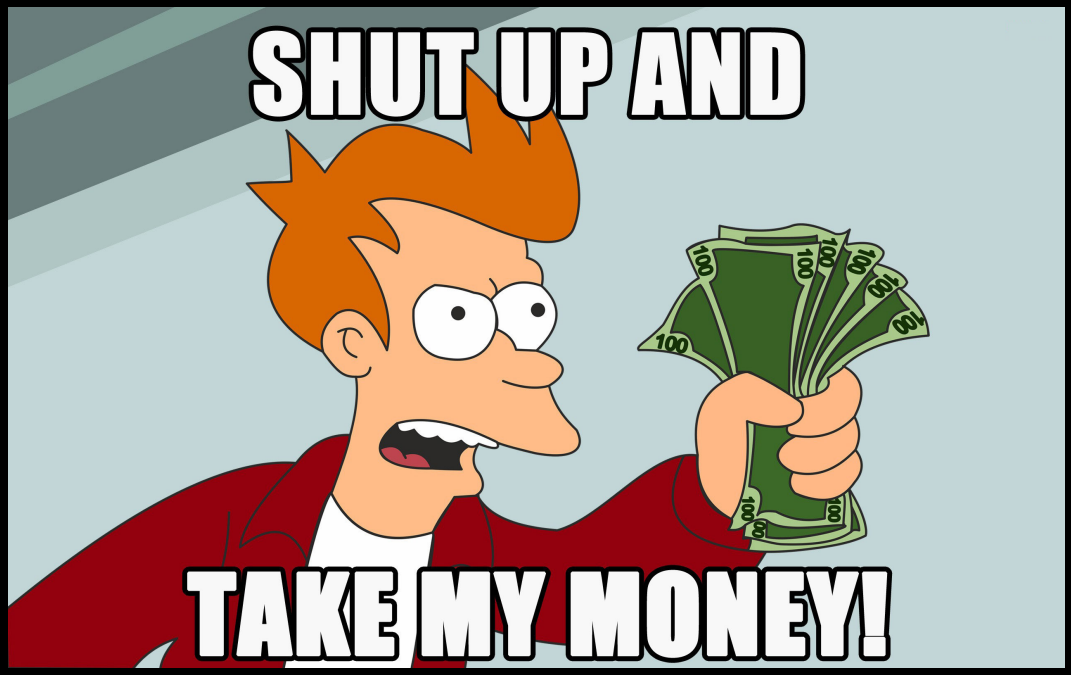



YunoHost admin
https://michu.fr/yunohost/admin/#/
DuckDuckGo
YUNO HOST
Users
Domains
Applications
Services
Firewall
Monitoring
Tools
Backup

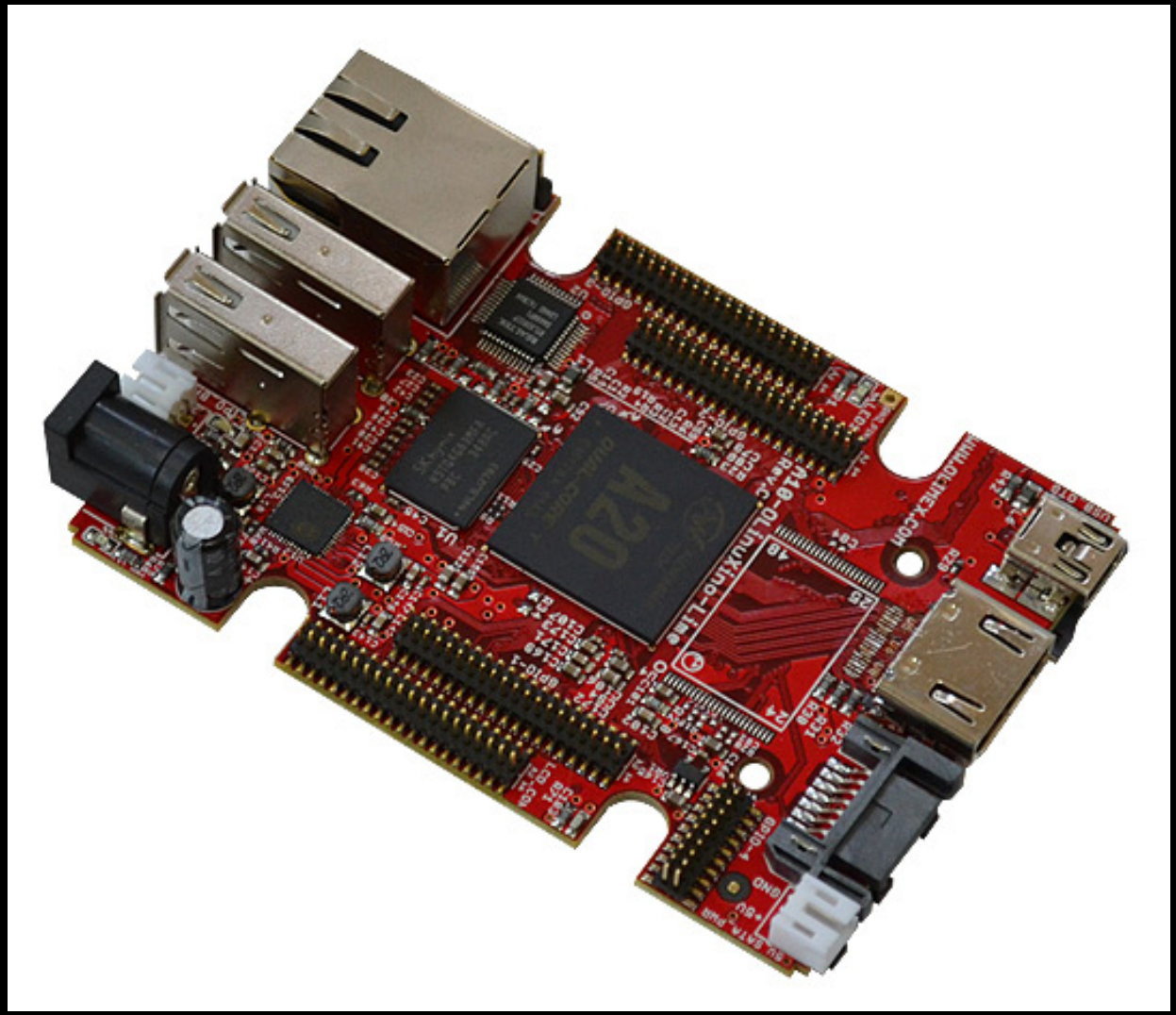

YunoHost admin
https://michu.fr/yunohost/admin/#/apps/install
DuckDuckGo
YUNO HOST
Applications
Install
Refresh list
phpMyAdmin phpmyadmin
Manage MySQL databases over the web
Dokuwiki dokuwiki
DokuWiki is a simple to use and highly versatile Open Source wiki software that doesn't require a database.
GateOne gateone
HTML5-powered terminal emulator and SSH client
OwnCloud owncloud
Sync & share your files, pictures, music, contacts, calendars, and much more !
Searx searx
A privacy-respecting, hackable metasearch engine
OpenSondage opensondage
OpenSondage allows users to create polls to coordinate meeting times or vote on a list of options.
Baikal baikal
Lightweight CalDAV+CardDAV server
https://michu.fr/yunohost/admin/#/apps/install/owncloud

Decentralized !

Price ?



Olimex board

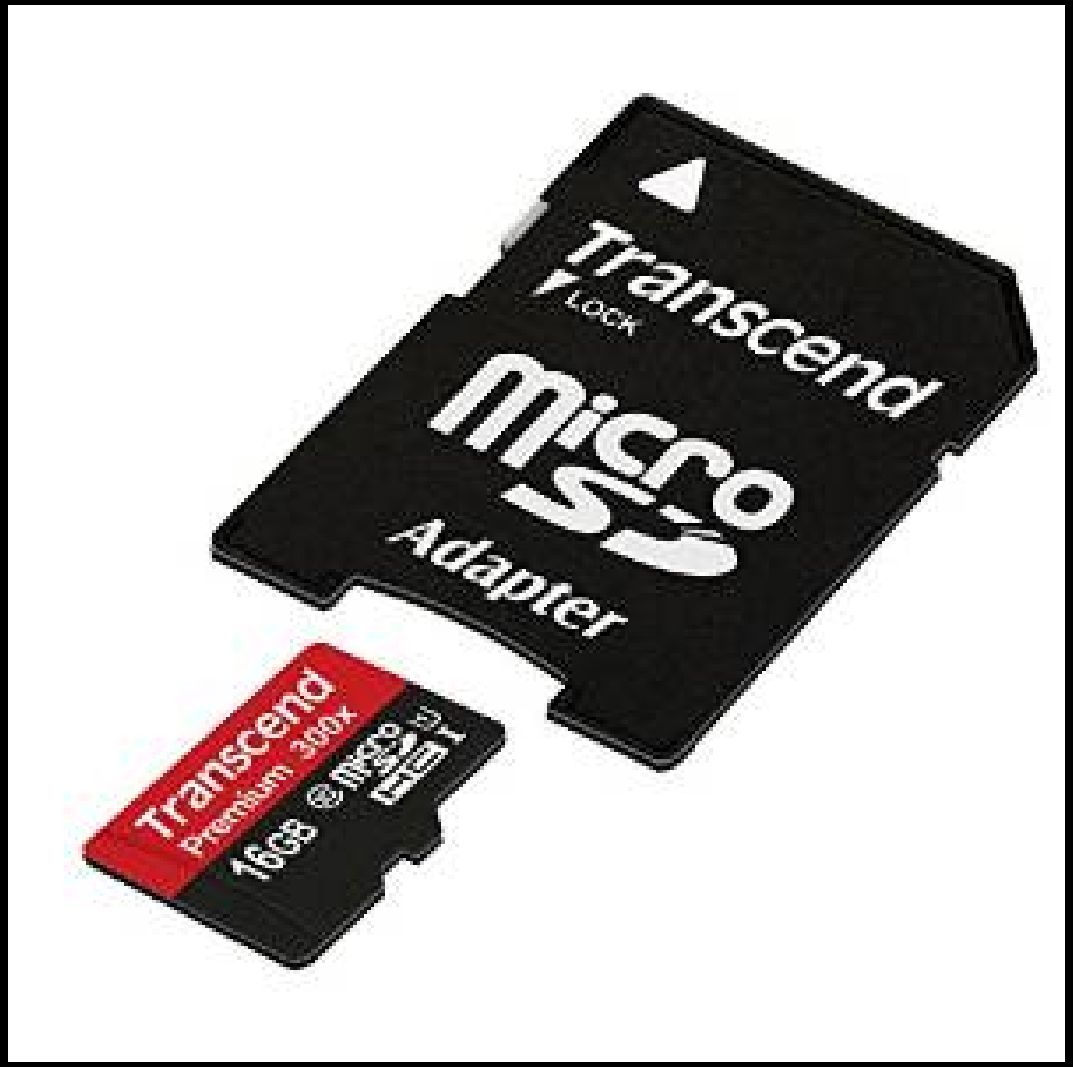


Box

Power supply

Wifi antenna

Memory card

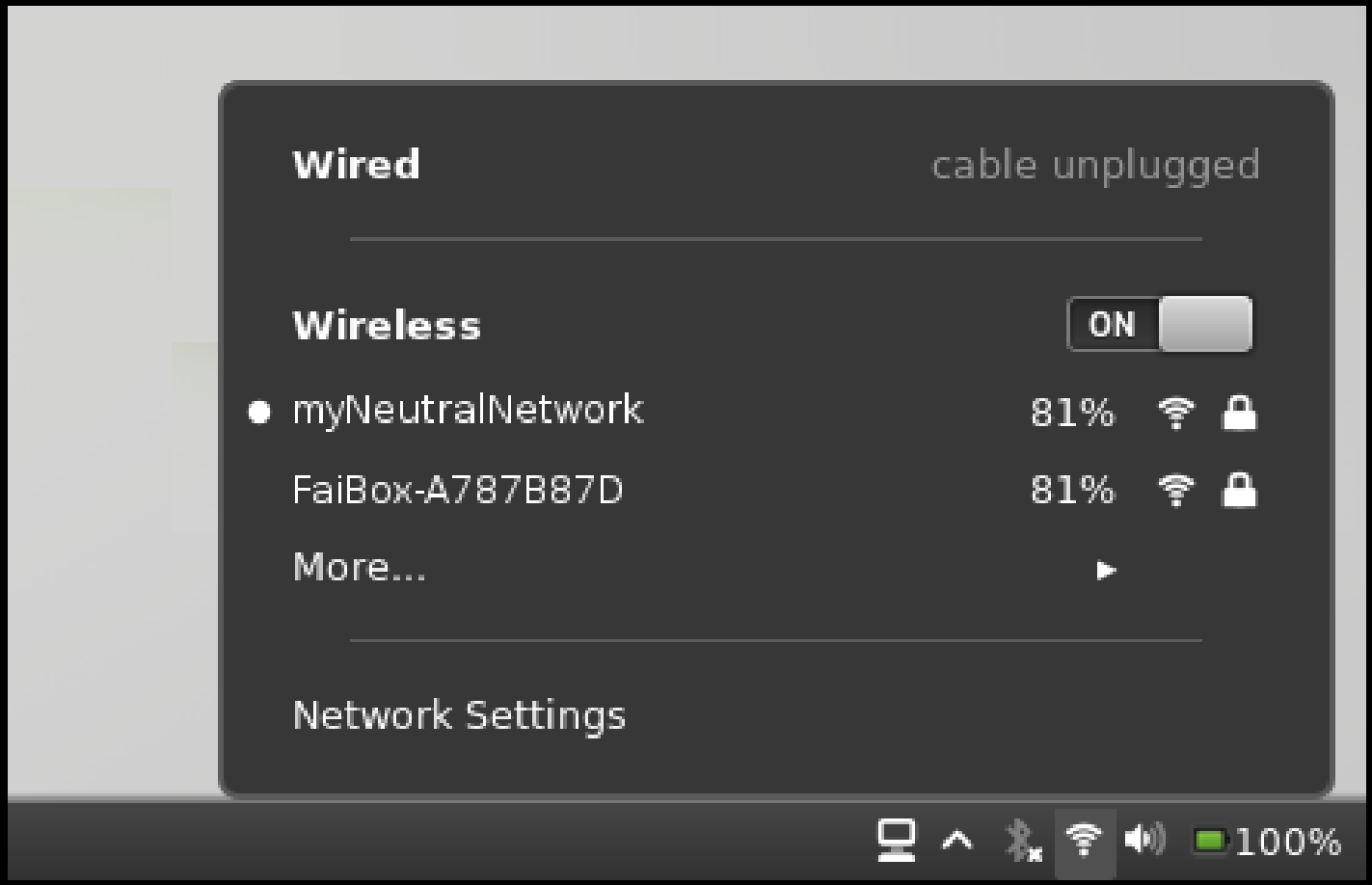

Transcend
Lock
micro SD
Adapter
Transcend
Premium 300x
16GB
micro SD

Approximately **70€ for 1 complete*** Cube
(shipping costs included)

Approximately **7 € / months** for a
VPN

** for a grouped order > 9 Cubes, otherwise 80€*

And it works out of the Cube



Outline

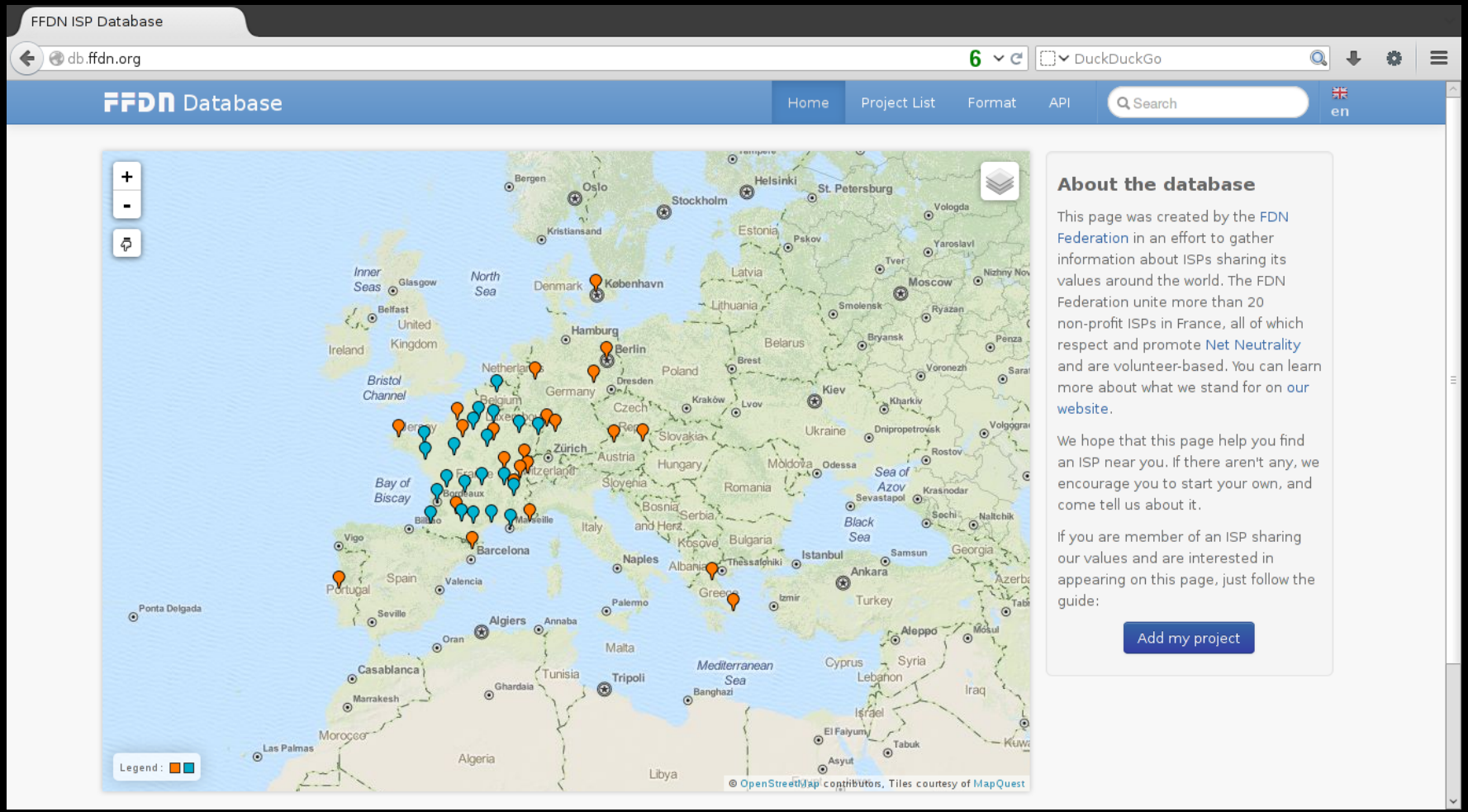
The Internet Cube enables you to :

- Easily **clean** your Internet access
- **self-host** services and personal data without huge computer skills

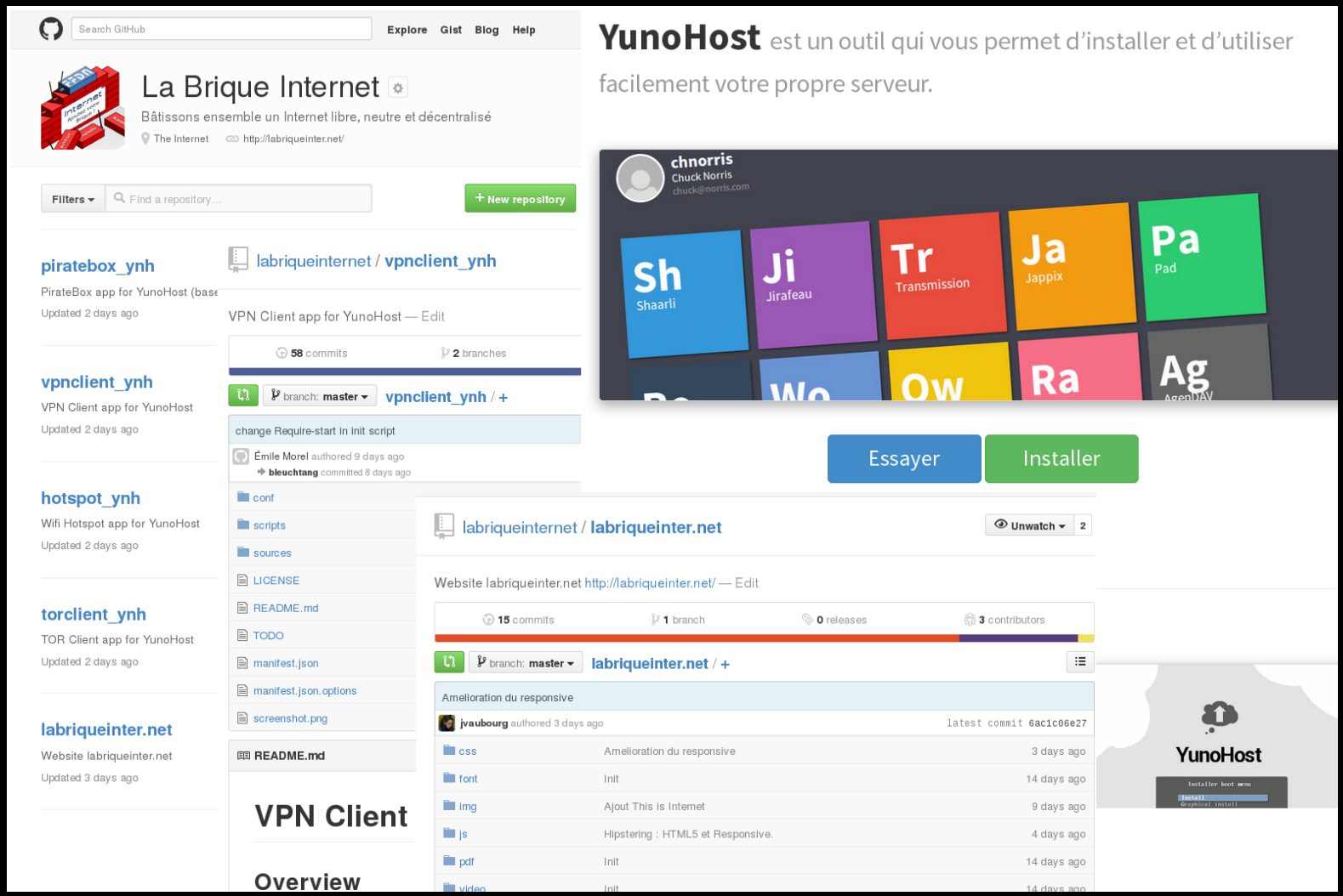
Where can you find this Cube ?

Because this Cube is not yet in Amazon catalog

From your local non-profit ISP



Or DIY because the software part is free



The Cube applications :

- Pirate Box
- Tor Proxy

The Cube applications :

- Pirate Box
- Tor Proxy
- Clear your mobile Internet Access
- Mediacenter
- Portable Mesh node
- Temporary collaborative server
- Nas
- ...

discussions@listes.labriqueinter.net

- Mailing Lists – `https://listes.labriqueinter.net/`
- Images (beta) – `https://repo.labriqueinter.net/`
- Build scripts – `http://build.labriqueinter.net/`

`http://LaBriqueInter.net`