

FDN Federation and Do-It-Yourself ISPs

An alternative model for Internet access

Baptiste Jonglez

`<baptiste.jonglez@ens-lyon.org>`

Fédération FDN

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ISP overview in France

Orange 10,108,000 subscribers

Free 5,640,000 subscribers

SFR 5,209,000 subscribers

Bouygues 2,013,000 subscribers

Numéricable 1,041,000 subscribers

(broadband subscribers in December 2013, sources: financial reports)

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tetaneutral.net 250 subscribers

FDN 200 subscribers

PClight 50 subscribers

franciliens.net 15 subscribers

(DSL and wireless subscribers, May 2014)

What we do

Network access:

- ▶ classical DSL, VPN or **wireless**
- ▶ **neutral** access, IPv6
- ▶ other services (Bittorrent tracker, UUCP, ...)

Cool projects:

- ▶ Distribute movies to cinemas through Bittorrent
 - ▶ The DCP Bay
 - ▶ <http://www.tdcpb.org>
- ▶ Réseaux du coeur
- ▶ VPN exchange



Our motivations

The DIY way

- ▶ **Doing things right:** IPv6, no CG-NAT, BCP38, RPKI...
- ▶ **Proximity:** participative approach, building resilient networks
- ▶ **Respecting privacy** (personal data, network traffic)
- ▶ **Controlling the infrastructure** (not always possible)
- ▶ **Network neutrality**

Network neutrality

Our core value

Network neutrality is fundamental for users: **the ISP must not be a gatekeeper.**

In practice: **no incentive to breach network neutrality**

- ▶ no commercial relation
- ▶ little congestion (invest in infrastructure)

When breaching neutrality is really needed, **involve the users** (e.g. congested radio local loop)

Fédération FDN



- ▶ 25 French ISPs, all of them non-profit
- ▶ 1700 members
- ▶ Annual physical meeting, monthly IRC meeting
- ▶ Tools and documentation



{{ Franciliens.net }}

Other initiatives

- ▶ DIY ISPs all over Europe (Westnetz, Funkfeuer, ...)
- ▶ Individual Networks (DE)
- ▶ Community networks:
 - ▶ guifi.net (ES), 24,368 wireless nodes
 - ▶ Freifunk (DE), > 3,000 wireless nodes
 - ▶ Funkfeuer (AT)
- ▶ Bottom-up Broadband (EU)
- ▶ B4rn (UK)
- ▶ “Community Broadband Networks” (USA)
- ▶ Free Network Foundation (USA)

Difficulties

- ▶ ~~technical setup~~
- ▶ backhaul (DSL, fiber). Wireless is easier
- ▶ legal constraints
- ▶ get bigger actors to talk to us

Not-for-profit *does not mean* unreliable.

Participating



Do-It-Yourself Internet Service Providers

Participating for end-users:

- ▶ participate to a DIY ISP
- ▶ contribute to the DIY ISP wiki
- ▶ start your own DIY ISP

For operators: don't be afraid of us :-)


Tools

- ▶ participative map of DIY ISPs <https://db.ffdn.org>
- ▶ international mailing list <http://1149.fr/diy-isp>
- ▶ wiki and resources <https://www.diyisp.org>

FFDN Database

HomeProject ListFormatAPI

en



About the database

This page was created by the **FDN Federation** in an effort to gather information about ISPs sharing its values around the world. The FDN Federation unite more than 20 non-profit ISPs in France, all of which respect and promote **Net Neutrality** and are volunteer-based. You can learn more about what we stand for on our [website](#).

We hope that this page help you find an ISP near you. If there aren't any, we encourage you to start your own, and come tell us about it.

If you are member of an ISP sharing our values and are interested in appearing on this page, just follow the guide:

Add my project

Questions?

contact@fdn.org



Bonus (1)



Bonus (2)



Bonus (3)

